

## Additional file 1

Additional file 1. Expression of HGT candidates and homologs in *C. graminicola* and *C. higginsianum*. Data from O'Conne

### ***Colletotrichum graminicola***

HGT1                      Argininosuccinate lyase

Gene ID	Normalised read count				P-value	Expression NP/PA
	PA	BP	NP	BP/PA		
GLRG_01134*	10	4	4	-1,3	0,69	-1,0
GLRG_08191	33	26	16	0,0	1,00	-1,0
GLRG_06892	2	1	0	-0,8	1,00	-2,0
GLRG_02021	700	679	404	0,1	1,00	-0,7

HGT2                      Glutathionylspermidine synthase

Gene ID	Normalised read count				P-value	Expression NP/PA
	PA	BP	NP	BP/PA		
GLRG_11091*	32	9	6	-1,5	0,12	-2,3
GLRG_11966*	164	54	8	-1,4	0,03	-4,3

HGT4                      Oligoxyloglucan reducing-end-specific cellobiohydrolase

Gene ID	Normalised read count				P-value	Expression NP/PA
	PA	BP	NP	BP/PA		
GLRG_09635*	18	22	38	0,8	0,79	1,3
GLRG_11528	67	18	12	-1,7	0,04	-2,2
GLRG_11631	4	1	0	-1,8	0,86	-3,8
GLRG_11888	80	27	4	-1,4	0,08	-4,2
GLRG_01736	13	29	239	1,3	0,24	4,2
GLRG_02409	11	8	10	-0,4	1,00	0,0
GLRG_07801	12	8	82	0,2	1,00	3,0
GLRG_09113	14	10	15	0,1	1,00	0,4

HGT5                      Glucarate dehydratase

Additional file 1

Gene ID	Normalised read count				<i>P</i> -value	Expression
	PA	BP	NP	BP/PA		NP/PA
GLRG_01139*	2	2	8	-0,1	1,00	2,4
GLRG_08781	121	201	413	0,9	0,23	1,9
GLRG_09182	31	81	166	1,5	0,04	2,4
GLRG_09730	3	3	8	0,3	1,00	1,5

HGT6 Serine endopeptidase S1

Gene ID	Normalised read count				<i>P</i> -value	Expression
	PA	BP	NP	BP/PA		NP/PA
GLRG_11936*	6	11	180	1,8	0,39	5,4

HGT7 L-asparaginase

Gene ID	Normalised read count				<i>P</i> -value	Expression
	PA	BP	NP	BP/PA		NP/PA
GLRG_08267*	2	3	1	0,8	1,00	-0,7
GLRG_03254	198	185	79	0,1	1,00	-1,3
GLRG_05824	11	11	16	0,4	1,00	0,6
GLRG_07415	4	10	5	1,3	0,58	0,4

HGT8 Acetyl-CoA synthetase

Gene ID	Normalised read count				<i>P</i> -value	Expression
	PA	BP	NP	BP/PA		NP/PA
GLRG_06163*	4	2	17	-0,8	1,00	2,0
GLRG_00469	2	2	8	0,4	1,00	2,4
GLRG_00577	24	31	23	0,5	0,89	-0,1
GLRG_01790	22	3	17	-3,0	0,02	-0,2
GLRG_02424	934	431	637	-0,9	0,21	-0,5
GLRG_03774	129	38	106	-1,6	0,02	-0,1
GLRG_04285	109	63	190	-0,6	0,75	1,0
GLRG_04293	53	12	43	-1,8	0,03	-0,1
GLRG_05027	99	108	94	0,3	0,92	0,0
GLRG_05476	226	234	346	0,3	1,00	0,7
GLRG_07071	73	11	17	-2,6	0,00	-2,0
GLRG_07476	140	234	190	0,9	0,25	0,5
GLRG_07649	38	21	54	-0,6	0,79	0,6
GLRG_07753	106	64	125	-0,4	0,81	0,3
GLRG_08063	65	256	131	2,1	0,00	1,0
GLRG_08065	35	188	158	2,5	0,00	2,1
GLRG_08099	517	257	409	-0,8	0,38	-0,2
GLRG_08225	27	15	22	-0,6	0,84	-0,2
GLRG_08303	205	306	311	0,8	0,32	0,7
GLRG_09505	176	57	70	-1,4	0,03	-1,2
GLRG_09842	2	1	1	-1,2	1,00	-1,4
GLRG_10282	2	6	375	2,0	0,51	7,4
GLRG_10367	20	18	14	-0,1	1,00	-0,3
GLRG_10898	13	19	19	0,7	0,81	0,6
GLRG_11697	135	220	87	0,9	0,30	-0,6

HGT9†† 2-deoxy-D-gluconate 3-dehydrogenase

Additional file 1


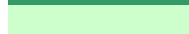
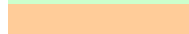


Gene ID	Normalised read count			BP/PA	P-value	Expression NP/PA
	PA	BP	NP			
GLRG_09591*	19	6	5	-1,1	0,48	-1,7
GLRG_00208	41	35	34	0,2	1,00	-0,1
GLRG_00324	10	2	0	-2,0	0,33	-4,2
GLRG_00816	3	1	5	-0,8	1,00	1,1
GLRG_01213	545	196	142	-1,2	0,05	-1,9
GLRG_01288	46	30	46	-0,2	1,00	0,2
GLRG_01425	43	46	194	0,5	0,86	2,4
GLRG_02039	95	15	3	-2,9	0,00	-4,8
GLRG_02347	37	28	24	-0,4	1,00	-0,5
GLRG_02437	13	6	68	-0,9	0,69	2,2
GLRG_02444	37	23	103	-0,3	1,00	1,7
GLRG_02492	50	5	13	-2,9	0,00	-1,7
GLRG_03921	78	69	88	0,0	1,00	0,3
GLRG_04431	2	8	133	2,2	0,42	6,4
GLRG_04473	3	1	0	-1,2	1,00	-3,2
GLRG_04804	194	206	267	0,2	1,00	0,6
GLRG_04948	313	298	181	0,1	1,00	-0,7
GLRG_05035	67	70	61	0,3	1,00	-0,1
GLRG_05039	24	3	5	-2,5	0,03	-2,2
GLRG_05079	79	101	71	0,6	0,69	-0,1
GLRG_05345	3	1	1	-1,1	1,00	-2,5
GLRG_05435	67	35	212	-0,7	0,62	1,8
GLRG_05685	2	2	0	-0,5	1,00	-2,4
GLRG_06335	26	28	25	0,4	1,00	0,0
GLRG_06440	20	27	51	0,7	0,82	1,6
GLRG_06514	2	1	0	-0,4	1,00	-1,7
GLRG_06600	9	12	5	0,5	1,00	-0,9
GLRG_06634	8	6	3	-0,8	1,00	-1,1
GLRG_07011	25	5	3	-2,4	0,04	-2,8
GLRG_07023	4	1	0	-1,8	0,86	-3,3
GLRG_07088	17	4	32	-1,5	0,22	1,0
GLRG_07098	7	35	263	2,0	0,03	5,3
GLRG_07529	43	8	179	-2,1	0,02	2,3
GLRG_07549	231	107	86	-0,9	0,30	-1,3
GLRG_07901	18	1	0	-4,0	0,02	-4,9

Gene ID	Normalised read count			BP/PA	P-value	Expression NP/PA
	PA	BP	NP			
GLRG_11949*	21	6	5	-1,5	0,32	-1,8
GLRG_00225	3	1	1	-1,2	1,00	-1,6
GLRG_00361	111	8	7	-3,9	0,00	-3,8
GLRG_01029	117	499	190	2,3	0,00	0,7
GLRG_01068	177	73	15	-1,1	0,15	-3,5
GLRG_01070	3	4	31	0,5	1,00	3,3
GLRG_01118	4	3	3	-0,1	1,00	0,1
GLRG_01244	71	101	79	0,7	0,51	0,2
GLRG_01434	75	100	106	0,7	0,57	0,6
GLRG_01813	201	113	133	-0,7	0,52	-0,5
GLRG_03143	44	26	7	-0,5	0,85	-2,5
GLRG_03348	24	9	36	-0,8	0,59	0,7
GLRG_03389	22	102	12	2,3	0,00	-0,9

### Additional file 1

GLRG_04748	27	23	19	-0,2	1,00	-0,4
GLRG_04988	37	39	65	0,3	1,00	1,0
GLRG_05347	11	9	37	0,0	1,00	2,1
GLRG_05577	8	4	0	-1,8	0,73	-3,8
GLRG_05716	2	1	9	-0,4	1,00	2,6
GLRG_05734	434	402	354	0,1	1,00	-0,2
GLRG_05814	6	7	13	0,9	0,96	1,4
GLRG_06026	87	17	55	-2,4	0,00	-0,5
GLRG_06312	50	88	146	1,2	0,15	1,7
GLRG_06381	10	92	303	3,7	0,00	5,2
GLRG_06478	28	221	90	3,0	0,00	1,6
GLRG_06552	17	17	39	0,0	1,00	1,3
GLRG_06696	12	21	22	1,1	0,49	1,0
GLRG_06840	2	1	1	-0,8	1,00	-0,9
GLRG_07586	166	174	825	0,4	0,89	2,4
GLRG_07601	2	1	4	-0,8	1,00	1,2
GLRG_07684	65	11	9	-2,5	0,00	-2,7
GLRG_07954	256	18	4	-3,6	0,00	-5,9
GLRG_08026	43	5	7	-3,1	0,00	-2,5

HGT11	Succinyl-diaminopimelate desuccinylase				Expression	
	Normalised read count					
Gene ID	PA	BP	NP	BP/PA	P-value	NP/PA
GLRG_10812*	9	5	7	-0,8	0,86	-0,7
GLRG_03341	482	327	383	-0,3	0,89	-0,2
GLRG_06482	4	18	48	2,6	0,04	3,7
GLRG_07407	34	59	53	1,0	0,31	0,8
GLRG_08325	45	23	29	-0,7	0,61	-0,5
GLRG_09284	34	28	27	-0,1	1,00	-0,2
GLRG_11969	1164	673	109	-0,7	0,43	-3,4

*	HGT candidate
††	The genes shown are a sub-sub of the genes with the same function as the HGT candidate
VA	<i>in vitro</i> appressoria
PA	<i>in planta</i> appressoria
BP	biotrophic phase
NP	necrotrophic phase
	Significantly down-regulated genes (<-3 log2 fold-change)
	Significantly down-regulated genes (<-2 log2 fold-change)
	Significantly up-regulated genes (>2 log2 fold-change)
	Significantly up-regulated genes (>3 log2 fold-change)
	Significantly regulated genes (p-value<0.05)

### Reference

O'Connell RJ, Thon MR, Hacquard S, Amyotte SG, Kleemann J, et al. (2012) Lifestyle transitions in plant pathogenic *Colletot*

Additional file 1

et al. (2012)

***Colletotrichum higginsianum***

ratio (log2)		
P-value	NP/BP	P-value
0,43	0,3	1,00
0,21	-1,0	0,27
0,83	-1,2	0,87
0,26	-0,9	0,19

Gene ID	Normalised	
	VA	PA
CH063_01794*	12	15
CH063_12048	1	1
CH063_08380	1203	1059
CH063_09373	16	24

ratio (log2)		
P-value	NP/BP	P-value
0,00	-0,8	0,57
0,00	-2,9	0,00

Gene ID	Normalised	
	VA	PA
CH063_02340*	9	19
CH063_10640*	0	544

HGT3 Hydroxlacyl-CoA dehydrogenas

Gene ID	Normalised	
	VA	PA
CH063_08062*	2	1

ratio (log2)		
P-value	NP/BP	P-value
0,12	0,5	0,59
0,00	-0,5	0,70
0,15	-1,9	0,57
0,00	-2,7	0,00
0,00	2,9	0,00
1,00	0,4	0,91
0,00	2,9	0,00
0,83	0,3	0,87

Gene ID	Normalised	
	VA	PA
CH063_05456*	5	3
CH063_00277	1005	976
CH063_00289	1	2
CH063_01308	1	3
CH063_03021	520	252
CH063_03234	1	2
CH063_03260	20	84
CH063_04376	1	1
CH063_04769	0	1
CH063_04909	148	100
CH063_05786	92	102
CH063_05950	26	55
CH063_06089	142	124
CH063_06313	29	27
CH063_06442	18	52
CH063_06931	13	6
CH063_08004	35	53
CH063_08336	2	600
CH063_09301	189	54
CH063_11191	67	73
CH063_13400	0	1
CH063_13456	236	107
CH063_15532	5	11

Additional file 1

ratio (log2)		
P-value	NP/BP	P-value
0,17	2,5	0,07
0,00	0,9	0,18
0,00	0,9	0,18
0,43	1,2	0,40

Gene ID	Normalised	
	VA	PA
CH063_01625*	3	33
CH063_06287	0	3
CH063_06721	436	516
CH063_08672	0	36
CH063_10883	67	215

ratio (log2)		
P-value	NP/BP	P-value
0,00	3,6	0,00

Gene ID	Normalised	
	VA	PA
CH063_03876*	0	1

ratio (log2)		
P-value	NP/BP	P-value
0,87	-1,5	0,45
0,02	-1,4	0,02
0,58	0,2	0,88
0,96	-0,9	0,48

ratio (log2)		
P-value	NP/BP	P-value
0,06	2,8	0,01
0,17	2,0	0,18
1,00	-0,5	0,57
0,84	2,8	0,01
0,52	0,5	0,59
0,90	1,4	0,03
0,11	1,5	0,01
0,99	1,7	0,02
1,00	-0,3	0,75
0,33	0,4	0,64
0,00	0,6	0,69
0,51	-0,4	0,63
0,50	1,2	0,10
0,70	0,8	0,29
0,13	-1,1	0,08
0,00	-0,4	0,64
0,82	0,5	0,55
0,90	0,4	0,77
0,32	-0,1	0,95
0,03	0,2	0,92
0,87	-0,2	1,00
0,00	5,4	0,00
0,78	-0,3	0,84
0,62	-0,1	1,00
0,47	-1,4	0,01

Additional file 1

ratio (log2)		
P-value	NP/BP	P-value
0,07	-0,6	0,77
0,96	-0,3	0,87
0,00	-2,1	0,46
0,78	1,9	0,44
0,00	-0,6	0,46
0,91	0,4	0,71
0,00	1,9	0,00
0,00	-2,0	0,04
0,63	0,0	0,96
0,00	3,1	0,00
0,01	2,0	0,00
0,01	1,1	0,39
0,80	0,3	0,87
0,00	4,2	0,00
0,37	-1,9	0,57
0,46	0,3	0,76
0,28	-0,8	0,23
0,98	-0,3	0,78
0,00	0,3	1,00
1,00	-0,6	0,48
0,50	-1,3	0,71
0,00	2,5	0,00
0,65	-1,9	0,71
1,00	-0,3	0,85
0,04	0,9	0,31
0,83	-1,3	0,71
0,56	-1,3	0,22
0,45	-0,4	0,87
0,00	-0,3	0,87
0,15	-1,5	0,87
0,28	2,5	0,00
0,00	3,3	0,00
0,00	4,3	0,00
0,02	-0,5	0,61
0,00	-0,9	0,87

ratio (log2)		
P-value	NP/BP	P-value
0,06	-0,3	0,90
0,50	-0,3	1,00
0,00	0,1	1,00
0,29	-1,5	0,00
0,00	-2,4	0,00
0,00	2,8	0,00
1,00	0,2	1,00
0,84	-0,5	0,57
0,49	-0,1	1,00
0,50	0,2	0,90
0,00	-2,0	0,00
0,46	1,5	0,02
0,41	-3,2	0,00

Additional file 1

0,72	-0,2	0,87
0,17	0,7	0,46
0,01	2,1	0,01
0,01	-2,0	0,46
0,07	3,0	0,03
0,83	-0,3	0,78
0,32	0,5	0,65
0,55	1,9	0,01
0,00	0,6	0,53
0,00	1,5	0,01
0,01	-1,4	0,01
0,09	1,3	0,13
0,36	-0,1	1,00
0,87	-0,1	1,00
0,00	2,0	0,00
0,72	2,0	0,56
0,00	-0,2	0,92
0,00	-2,3	0,00
0,00	0,5	0,87

ratio (log2)		
P-value	NP/BP	P-value
0,71	0,2	1,00
0,79	0,1	0,97
0,00	1,0	0,13
0,32	-0,2	0,89
0,56	0,2	0,89
0,87	-0,1	0,97
0,00	-2,7	0,00

Gene ID	Normalised	
	VA	PA
CH063_13530*	1	1
CH063_02335	11	16
CH063_04645	3	9
CH063_08221	54	55
CH063_08264	10	9

*trichum* fungi deciphered by genome and transcriptome analyses. Nat Genet 44: 1060–1065.



Additional file 1

read count

BP	NP	PA/BP	P-value	NP/BP	P-value	VA/BP
18	103	-0,3	0,64	2,5	0,00	-0,6
2	0	-0,4	0,80	-2,3	0,43	-0,9
1152	834	-0,1	0,57	-0,5	0,37	0,1
14	8	0,8	0,55	-0,8	0,25	0,1

read count

BP	NP	PA/BP	P-value	NP/BP	P-value	VA/BP
80	15	-2,1	0,00	-2,4	0,00	-3,1
520	9	0,1	0,99	-5,9	0,00	-10,4

e

read count

BP	NP	PA/BP	P-value	NP/BP	P-value	VA/BP
1	0	0,3	1,00	-1,6	1,00	1,1

read count

BP	NP	PA/BP	P-value	NP/BP	P-value	VA/BP
4	42	-0,3	0,82	3,6	0,00	0,4
450	2	1,1	0,00	-7,9	0,00	1,2
1	1	0,2	1,00	-0,7	1,00	-0,5
1	0	1,7	0,33	-1,5	1,00	0,5
131	167	0,9	0,03	0,4	0,17	2,0
1	0	1,0	1,00	-1,5	1,00	-0,4
27	38	1,6	0,00	0,5	0,17	-0,4
21	84	-3,9	0,00	2,0	0,00	-5,4
1	0	0,0	1,00	-1,5	1,00	-1,5
62	113	0,7	0,33	0,9	0,00	1,2
67	44	0,6	0,37	-0,6	0,31	0,5
80	278	-0,5	0,14	1,8	0,00	-1,6
35	17	1,8	0,00	-1,1	0,04	2,0
16	8	0,8	0,43	-1,1	0,10	0,8
26	67	1,0	0,14	1,4	0,00	-0,5
9	2	-0,5	0,75	-2,2	0,01	0,6
30	31	0,8	0,27	0,0	0,83	0,2
673	10	-0,2	0,51	-6,0	0,00	-8,7
45	62	0,3	1,00	0,5	0,15	2,1
43	13	0,8	0,23	-1,7	0,00	0,7
1	1	0,1	1,00	-0,1	0,82	-1,5
86	22	0,3	0,90	-2,0	0,00	1,5
2	3	2,8	0,02	0,9	0,48	1,6

Additional file 1

read count

BP	NP	PA/BP	P-value	NP/BP	P-value	VA/BP
22	15	0,6	0,54	-0,6	0,54	-2,7
18	236	-2,8	0,00	3,7	0,00	-5,5
614	1850	-0,3	0,33	1,6	0,00	-0,5
52	196	-0,5	0,21	1,9	0,00	-7,0
396	1247	-0,9	0,00	1,7	0,00	-2,6

read count

BP	NP	PA/BP	P-value	NP/BP	P-value	VA/BP
1	0	0,4	1,00	-1,5	1,00	-1,1

Additional file 1

Additional file 1

read count

BP	NP	PA/BP	<i>P</i> -value	NP/BP	<i>P</i> -value	VA/BP
3	11	-0,9	0,68	2,0	0,00	-1,0
9	40	0,8	0,59	2,1	0,00	0,3
3	23	1,6	0,27	3,0	0,00	0,1
57	73	-0,1	0,85	0,4	0,24	-0,1
11	38	-0,2	0,91	1,8	0,00	-0,1

Additional file 1

Expression ratio (log2)

P-value	NP/PA	P-value	VA/PA	P-value	VA/NP	P-value
0,57	2,8	0,00	-0,3	1,00	-3,1	0,00
1,00	-2,0	1,00	-0,6	0,71	1,4	0,61
0,39	-0,3	0,99	0,2	0,08	0,5	0,03
0,69	-1,6	0,01	-0,7	0,83	0,9	0,02

Expression ratio (log2)

P-value	NP/PA	P-value	VA/PA	P-value	VA/NP	P-value
0,00	-0,3	1,00	-1,0	0,31	-0,7	0,20
0,00	-5,9	0,00	-10,4	0,00	-4,5	0,00

Expression ratio (log2)

P-value	NP/PA	P-value	VA/PA	P-value	VA/NP	P-value
0,31	-1,9	1,00	0,7	0,17	2,7	0,03

Expression ratio (log2)

P-value	NP/PA	P-value	VA/PA	P-value	VA/NP	P-value
0,71	3,9	0,00	0,7	0,15	-3,1	0,00
0,00	-9,0	0,00	0,0	0,22	9,1	0,00
1,00	-0,9	1,00	-0,8	1,00	0,2	1,00
0,38	-3,3	0,07	-1,3	0,73	2,0	0,10
0,00	-0,6	0,42	1,0	0,00	1,6	0,00
0,65	-2,5	0,65	-1,4	1,00	1,1	0,61
0,76	-1,2	0,02	-2,0	0,00	-0,9	0,02
0,00	5,8	0,00	-1,5	1,00	-7,3	0,00
1,00	-1,5	1,00	-1,6	1,00	0,0	1,00
0,00	0,2	0,16	0,6	0,00	0,4	0,13
0,05	-1,2	0,01	-0,2	0,69	1,0	0,00
0,00	2,3	0,00	-1,1	0,11	-3,4	0,00
0,00	-2,9	0,00	0,2	0,10	3,1	0,00
0,02	-1,8	0,00	0,1	0,42	1,9	0,00
0,65	0,4	0,07	-1,5	0,01	-1,9	0,00
0,22	-1,7	0,20	1,1	0,04	2,7	0,00
0,33	-0,8	0,27	-0,6	0,80	0,2	0,51
0,00	-5,9	0,00	-8,6	0,00	-2,7	0,00
0,00	0,2	0,23	1,8	0,00	1,6	0,00
0,02	-2,5	0,00	-0,1	0,64	2,4	0,00
1,00	-0,2	0,37	-1,6	1,00	-1,3	0,19
0,00	-2,3	0,00	1,1	0,00	3,5	0,00
0,08	-1,9	0,04	-1,2	0,45	0,8	0,22

Additional file 1

Expression ratio (log2)						
<i>P</i> -value	NP/PA	<i>P</i> -value	VA/PA	<i>P</i> -value	VA/NP	<i>P</i> -value
0,00	-1,2	0,05	-3,4	0,00	-2,2	0,00
0,00	6,5	0,00	-2,7	0,43	-9,2	0,00
0,47	1,8	0,00	-0,2	0,80	-2,1	0,00
0,00	2,4	0,00	-6,5	0,00	-8,9	0,00
0,00	2,5	0,00	-1,7	0,00	-4,2	0,00

Expression ratio (log2)						
<i>P</i> -value	NP/PA	<i>P</i> -value	VA/PA	<i>P</i> -value	VA/NP	<i>P</i> -value
1,00	-2,0	1,00	-1,6	1,00	0,4	1,00

Additional file 1

Additional file 1

Expression ratio (log2)						
<i>P</i> -value	NP/PA	<i>P</i> -value	VA/PA	<i>P</i> -value	VA/NP	<i>P</i> -value
0,91	2,9	0,00	-0,1	0,59	-3,0	0,00
0,44	1,3	0,00	-0,5	1,00	-1,8	0,00
0,96	1,4	0,00	-1,5	0,25	-2,9	0,00
0,82	0,4	0,05	0,0	0,45	-0,4	0,32
0,96	2,0	0,00	0,1	0,50	-1,9	0,00



**Additional file 2.** List of InterPro terms annotated in the complete genomes of UniProt database and

Interpro ID	Viridiplantae	% in plants	Fungi	% in fungi	<i>Colletotrichum</i>
IPR000823	4352	99,61	11	0,25	4
IPR013210	8531	99,42	3	0,03	1
IPR001929	1258	93,95	62	4,63	5
IPR018082	699	93,32	3	0,4	1
IPR024942	51277	100	0	0	0
IPR002866	21304	100	0	0	0
IPR017451	3863	100	0	0	0
IPR001954	2333	100	0	0	0
IPR003676	2262	100	0	0	0
IPR017887	2218	100	0	0	0
IPR005541	2031	100	0	0	0
IPR005540	1985	100	0	0	0
IPR005174	1966	100	0	0	0
IPR025287	1962	100	0	0	0
IPR026961	1850	100	0	0	0
IPR024788	1635	100	0	0	0
IPR025846	1628	100	0	0	0
IPR019557	1594	100	0	0	0
IPR000916	1549	100	0	0	0
IPR026994	1478	100	0	0	0
IPR004158	1425	100	0	0	0
IPR006527	1407	100	0	0	0
IPR024171	1385	100	0	0	0
IPR010713	1360	100	0	0	0
IPR025558	1321	100	0	0	0
IPR003851	1240	100	0	0	0
IPR025315	1233	100	0	0	0
IPR025322	1170	100	0	0	0
IPR007658	1163	100	0	0	0
IPR004883	1149	100	0	0	0
IPR016455	1136	100	0	0	0
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IPR024949	981	100	0	0	0
IPR008889	966	100	0	0	0
IPR008543	898	100	0	0	0
IPR024709	854	100	0	0	0
IPR012474	813	100	0	0	0
IPR025756	747	100	0	0	0
IPR011713	740	100	0	0	0
IPR006106	729	100	0	0	0
IPR004320	717	100	0	0	0
IPR012871	700	100	0	0	0
IPR001246	686	100	0	0	0
IPR006458	684	100	0	0	0
IPR025064	672	100	0	0	0

IPR025753	660	100	0	0	0
IPR017761	654	100	0	0	0
IPR005516	653	100	0	0	0
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IPR027934	607	100	0	0	0
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IPR003854	514	100	0	0	0
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IPR021099	502	100	0	0	0
IPR006563	499	100	0	0	0
IPR006105	495	100	0	0	0
IPR006044	492	100	0	0	0
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IPR008700	455	100	0	0	0
IPR013591	452	100	0	0	0
IPR011684	447	100	0	0	0
IPR006502	438	100	0	0	0
IPR007608	432	100	0	0	0
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IPR017103	407	100	0	0	0
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IPR007770	361	100	0	0	0
IPR005380	360	100	0	0	0
IPR024680	360	100	0	0	0
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IPR007592	349	100	0	0	0
IPR013623	348	100	0	0	0
IPR012438	343	100	0	0	0
IPR012442	342	100	0	0	0
IPR011402	339	100	0	0	0
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IPR015410	316	100	0	0	0
IPR005379	305	100	0	0	0
IPR024228	295	100	0	0	0
IPR016309	293	100	0	0	0
IPR008539	293	100	0	0	0
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IPR005213	274	100	0	0	0
IPR012881	273	100	0	0	0
IPR008546	271	100	0	0	0
IPR008587	269	100	0	0	0
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IPR002251	225	100	0	0	0
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IPR021094	217	100	0	0	0
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IPR014134	213	100	0	0	0
IPR024948	210	100	0	0	0
IPR005513	209	100	0	0	0
IPR010028	207	100	0	0	0
IPR016213	206	100	0	0	0
IPR009438	200	100	0	0	0
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IPR021924	193	100	0	0	0
IPR017163	191	100	0	0	0
IPR021792	189	100	0	0	0
IPR015511	187	100	0	0	0
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IPR021790	55	100	0	0	0
IPR022256	53	100	0	0	0
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IPR005048	43	100	0	0	0
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IPR025779	42	100	0	0	0
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IPR000316	41	100	0	0	0
IPR017177	40	100	0	0	0
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IPR012643	32	100	0	0	0
IPR009994	32	100	0	0	0
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IPR009544	31	100	0	0	0
IPR009632	31	100	0	0	0
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IPR020526	30	100	0	0	0
IPR012369	30	100	0	0	0
IPR017411	30	100	0	0	0
IPR021198	28	100	0	0	0
IPR012418	28	100	0	0	0
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IPR004231	26	100	0	0	0
IPR016310	26	100	0	0	0
IPR015333	24	100	0	0	0

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IPR016606	20	100	0	0	0
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IPR023241	16	100	0	0	0
IPR017395	15	100	0	0	0
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IPR025803	14	100	0	0	0
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IPR016802	7	100	0	0	0
IPR017394	6	100	0	0	0
IPR013186	6	100	0	0	0
IPR017392	5	100	0	0	0
IPR023383	5	100	0	0	0
IPR021142	5	100	0	0	0
IPR017420	5	100	0	0	0
IPR016517	4	100	0	0	0
IPR016308	4	100	0	0	0
IPR025822	4	100	0	0	0
IPR012383	3	100	0	0	0
IPR020191	3	100	0	0	0
IPR017418	3	100	0	0	0
IPR017397	2	100	0	0	0
IPR016801	2	100	0	0	0

IPR017412	2	100	0	0	0
IPR017388	1	100	0	0	0
IPR013516	3969	99,97	1	0,03	0
IPR013771	3819	99,97	0	0	0
IPR003340	2911	99,97	1	0,03	0
IPR005333	2522	99,96	0	0	0
IPR025165	2424	99,96	0	0	0
IPR002902	2029	99,95	0	0	0
IPR003311	2322	99,91	0	0	0
IPR002910	2109	99,91	0	0	0
IPR004159	1135	99,91	0	0	0
IPR011676	1058	99,91	0	0	0
IPR003441	4093	99,9	0	0	0
IPR025312	965	99,9	1	0,1	0
IPR025422	777	99,87	0	0	0
IPR023144	632	99,84	0	0	0
IPR006867	609	99,84	0	0	0
IPR025757	592	99,83	0	0	0
IPR016140	8067	99,81	2	0,02	0
IPR013227	2648	99,81	2	0,08	0
IPR008480	1020	99,8	0	0	0
IPR025610	1001	99,8	0	0	0
IPR008552	507	99,8	0	0	0
IPR003496	489	99,8	1	0,2	0
IPR012416	477	99,79	0	0	0
IPR006868	457	99,78	0	0	0
IPR000347	456	99,78	0	0	0
IPR000858	2980	99,77	6	0,2	0
IPR001376	2200	99,77	1	0,05	0
IPR006566	1732	99,77	0	0	0
IPR009118	443	99,77	0	0	0
IPR000877	441	99,77	0	0	0
IPR000136	428	99,77	0	0	0
IPR007118	2107	99,76	0	0	0
IPR017888	1248	99,76	1	0,08	0
IPR000528	1181	99,75	0	0	0
IPR027923	813	99,75	1	0,12	0
IPR025886	798	99,75	1	0,12	0
IPR009606	793	99,75	0	0	0
IPR015554	403	99,75	0	0	0
IPR007750	401	99,75	1	0,25	0
IPR002487	5657	99,74	0	0	0
IPR002963	1497	99,73	0	0	0
IPR007650	732	99,73	0	0	0
IPR005539	1794	99,72	0	0	0
IPR006041	1039	99,71	1	0,1	0
IPR027433	639	99,69	0	0	0
IPR024286	317	99,69	0	0	0
IPR007789	310	99,68	0	0	0
IPR022143	303	99,67	0	0	0



IPR006873	300	99,67	0	0	0
IPR022212	286	99,65	0	0	0
IPR007679	285	99,65	1	0,35	0
IPR008406	281	99,65	0	0	0
IPR010341	265	99,62	1	0,38	0
IPR001371	260	99,62	0	0	0
IPR010399	765	99,61	1	0,13	0
IPR001906	1937	99,59	1	0,05	0
IPR006734	481	99,59	0	0	0
IPR008540	245	99,59	0	0	0
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IPR027002	932	99,57	0	0	0
IPR006514	234	99,57	0	0	0
IPR008511	231	99,57	0	0	0
IPR027709	883	99,55	1	0,11	0
IPR007656	445	99,55	0	0	0
IPR022003	221	99,55	0	0	0
IPR024616	218	99,54	0	0	0
IPR013775	215	99,54	0	0	0
IPR008896	1694	99,53	0	0	0
IPR004265	1273	99,53	0	0	0
IPR005381	214	99,53	1	0,47	0
IPR004333	835	99,52	3	0,36	0
IPR004926	205	99,51	0	0	0
IPR007493	991	99,5	0	0	0
IPR006865	201	99,5	1	0,5	0
IPR002530	198	99,5	0	0	0
IPR007649	198	99,5	0	0	0
IPR010409	196	99,49	0	0	0
IPR025486	764	99,48	0	0	0
IPR026953	574	99,48	1	0,17	0
IPR007749	193	99,48	0	0	0
IPR010605	174	99,43	0	0	0
IPR004041	1207	99,42	0	0	0
IPR025521	687	99,42	1	0,14	0
IPR027643	508	99,41	1	0,2	0
IPR007930	166	99,4	0	0	0
IPR005202	2441	99,39	0	0	0
IPR017949	813	99,39	1	0,12	0
IPR008892	163	99,39	0	0	0
IPR009768	160	99,38	0	0	0
IPR027356	1055	99,34	0	0	0
IPR000985	300	99,34	0	0	0
IPR023342	149	99,33	0	0	0
IPR011525	2314	99,31	1	0,04	0
IPR028324	710	99,3	1	0,14	0
IPR021940	277	99,28	0	0	0
IPR006702	950	99,27	4	0,42	0
IPR007573	267	99,26	1	0,37	0
IPR018848	132	99,25	0	0	0

IPR008802	130	99,24	0	0	0
IPR007321	753	99,21	0	0	0
IPR010471	126	99,21	0	0	0
IPR007228	366	99,19	1	0,27	0
IPR007942	113	99,12	0	0	0
IPR004873	540	99,08	0	0	0
IPR012417	216	99,08	0	0	0
IPR006712	108	99,08	0	0	0
IPR006040	107	99,07	1	0,93	0
IPR008390	205	99,03	0	0	0
IPR008808	202	99,02	0	0	0
IPR013581	688	98,99	0	0	0
IPR009515	97	98,98	0	0	0
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IPR010525	974	98,88	0	0	0
IPR010811	265	98,88	0	0	0
IPR001419	437	98,87	1	0,23	0
IPR012900	262	98,87	2	0,75	0
IPR005512	416	98,81	0	0	0
IPR024937	47384	98,76	26	0,05	0
IPR021319	158	98,75	2	1,25	0
IPR003657	3913	98,64	16	0,4	0
IPR006943	214	98,62	0	0	0
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IPR000167	1198	98,6	2	0,16	0
IPR021881	211	98,6	0	0	0
IPR009902	134	98,53	0	0	0
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IPR020101	65	98,48	0	0	0
IPR021480	185	98,4	2	1,06	0
IPR003245	1891	98,39	15	0,78	0
IPR011424	660	98,36	0	0	0
IPR025397	57	98,28	0	0	0
IPR010433	145	97,97	0	0	0
IPR007818	239	97,95	1	0,41	0
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IPR010420	119	97,54	0	0	0
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IPR003106	851	96,92	0	0	0
IPR025769	63	96,92	0	0	0
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IPR012850	480	96,58	0	0	0
IPR021775	307	96,54	0	0	0
IPR002128	16502	96,49	0	0	0
IPR027085	55	96,49	0	0	0
IPR004146	438	96,48	4	0,88	0
IPR010544	108	96,43	0	0	0
IPR006947	213	96,38	0	0	0
IPR006501	2540	96,29	0	0	0
IPR008507	376	96,16	0	0	0
IPR004332	1297	96,15	35	2,59	0
IPR004314	974	96,15	14	1,38	0
IPR025298	304	95,9	0	0	0
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IPR022740	397	95,66	0	0	0
IPR018290	22	95,65	0	0	0
IPR000480	22	95,65	0	0	0
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IPR005497	1564	95,42	0	0	0
IPR004696	264	95,31	13	4,69	0
IPR008545	422	95,26	1	0,23	0
IPR001743	1967	95,07	0	0	0
IPR013101	535	95,03	4	0,71	0
IPR010588	38	95	1	2,5	0
IPR012862	130	94,89	0	0	0
IPR021825	332	94,86	0	0	0
IPR009227	18	94,74	0	0	0
IPR010402	1991	94,27	0	0	0
IPR025452	897	94,12	17	1,78	0
IPR000864	526	94,1	2	0,36	0
IPR009410	124	93,94	0	0	0
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IPR002160	872	93,76	0	0	0
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IPR015300	3393	93,24	1	0,03	0
IPR012392	755	92,98	0	0	0
IPR011692	118	92,91	0	0	0
IPR008637	157	92,9	0	0	0
IPR025525	613	92,74	42	6,35	0
IPR003398	1873	92,63	0	0	0
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IPR022739	398	92,56	0	0	0
IPR010800	174	92,55	0	0	0
IPR006476	313	92,33	0	0	0
IPR020888	25211	92,12	0	0	0
IPR002644	1594	92,09	0	0	0
IPR004938	369	92,02	2	0,5	0
IPR016088	298	91,98	6	1,85	0
IPR026852	195	91,98	0	0	0
IPR002682	1293	91,96	0	0	0
IPR006780	465	91,9	26	5,14	0
IPR014403	237	91,86	0	0	0
IPR006564	1923	91,75	20	0,95	0
IPR001010	143	91,67	0	0	0
IPR012391	88	91,67	0	0	0
IPR007877	419	91,48	0	0	0
IPR013742	103	91,15	0	0	0
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IPR006447	3624	90,74	0	0	0
IPR001056	1326	90,39	0	0	0
IPR017427	122	90,37	0	0	0
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IPR006216	1836	89	0	0	0
IPR013601	1009	88,9	0	0	0
IPR009596	8	88,89	0	0	0
IPR013082	1071	88,88	0	0	0
IPR006217	1037	88,78	0	0	0
IPR020966	426	88,75	13	2,71	0
IPR019780	1014	88,71	44	3,85	4
IPR003372	923	88,66	0	0	0
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IPR006244	1138	88,01	0	0	0
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IPR007117	2191	87,78	116	4,65	9
IPR007112	2274	87,66	149	5,74	6
IPR000368	827	87,61	0	0	0
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IPR016283	894	87,39	0	0	0
IPR008176	613	87,32	0	0	0

IPR017444	53025	87,16	0	0	0
IPR013989	376	87,04	0	0	0
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IPR017989	415	86,28	6	1,25	0
IPR005299	860	86,26	27	2,71	0
IPR001294	4307	86	85	1,7	4
IPR014002	542	85,9	2	0,32	0
IPR015345	379	85,75	0	0	0
IPR012891	96	85,71	0	0	0
IPR007021	640	85,68	31	4,15	0
IPR009943	59	85,51	0	0	0
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IPR028306	100	84,75	0	0	0
IPR013006	11	84,62	1	7,69	0
IPR025114	158	84,49	0	0	0
IPR024752	1011	84,39	173	14,44	6
IPR025836	671	84,19	52	6,52	0
IPR010029	101	84,17	0	0	0
IPR003683	567	84	1	0,15	0
IPR001302	708	83,79	0	0	0
IPR024058	634	83,75	0	0	0
IPR002182	18301	83,73	671	3,07	13
IPR003687	704	83,61	0	0	0
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IPR027001	1021	83,35	5	0,41	0
IPR006736	10	83,33	0	0	0
IPR001554	645	83,23	0	0	0
IPR002615	590	83,22	0	0	0
IPR002325	654	83,21	1	0,13	0
IPR017491	604	83,08	0	0	0
IPR009439	88	83,02	0	0	0
IPR002885	16498	82,76	1424	7,14	34
IPR024094	628	82,74	2	0,26	1
IPR022618	14	82,35	3	17,65	0
IPR010547	107	82,31	1	0,77	0
IPR003359	640	82,05	0	0	0
IPR004330	1221	81,67	200	13,38	5
IPR020381	593	81,57	0	0	0
IPR022818	494	81,52	0	0	0
IPR005922	550	81,48	125	18,52	4
IPR020586	1792	81,45	0	0	0
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IPR013515	4013	81,27	139	2,81	4
IPR028033	26	81,25	0	0	0
IPR018238	415	81,21	0	0	0
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IPR011065	879	80,94	0	0	0

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IPR005870	564	80,69	0	0	0
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IPR003480	3567	79,91	828	18,55	39
IPR008263	850	79,81	5	0,47	0
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IPR010788	105	79,55	0	0	0
IPR025314	594	79,41	36	4,81	0
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IPR008797	203	78,99	0	0	0
IPR000767	12421	78,87	129	0,82	2
IPR011859	56	78,87	0	0	0
IPR005868	815	78,52	0	0	0
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IPR006912	350	78,48	30	6,73	0
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IPR006946	317	77,7	0	0	0
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IPR017415	24	77,42	0	0	0
IPR021863	548	76,86	133	18,65	4
IPR016949	46	76,67	0	0	0
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IPR001938	1564	75,59	314	15,18	6
IPR000490	2361	75,02	479	15,22	6
IPR017413	3	75	0	0	0
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IPR006740	350	74,79	118	25,21	1
IPR021602	218	74,66	0	0	0
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IPR001344	1700	72,96	0	0	0
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IPR014024	343	71,76	0	0	0
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IPR013103	5025	71,14	1019	14,43	5
IPR024860	795	70,48	115	10,2	4

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IPR007736	290	69,88	121	29,16	9
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IPR001099	2478	69,28	85	2,38	5
IPR004140	907	69,13	192	14,63	5
IPR013583	483	68,9	2	0,29	0
IPR016132	4344	68,43	146	2,3	4
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IPR012847	115	68,05	0	0	0
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IPR005958	222	55,09	6	1,49	0
IPR027854	87	55,06	0	0	0
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IPR024927	132	51,36	0	0	0
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IPR002016	5241	50,55	987	9,52	48
IPR004238	172	50,44	4	1,17	0



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IPR001005	12730	50,1	3903	15,36	88
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IPR024658	77	50	0	0	0
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IPR003440	459	49,95	397	43,2	4
IPR000389	125	49,8	0	0	0
IPR004963	515	49,76	8	0,77	0
IPR003105	435	49,71	184	21,03	12
IPR026962	137	49,64	1	0,36	0
IPR003614	827	49,34	35	2,09	3
IPR003957	472	49,17	243	25,31	4
IPR001574	663	48,79	6	0,44	0
IPR018221	760	48,53	36	2,3	0
IPR001229	799	48,45	376	22,8	11
IPR005970	183	48,28	0	0	0
IPR023222	256	48,12	0	0	0
IPR005766	131	47,81	0	0	0
IPR016138	590	47,77	6	0,49	0
IPR018790	287	47,75	3	0,5	0
IPR018167	272	47,72	159	27,89	4
IPR006869	626	47,57	0	0	0
IPR021325	116	47,54	0	0	0
IPR024767	79	47,31	7	4,19	1
IPR014102	119	47,22	0	0	0
IPR003319	196	47	0	0	0
IPR017921	312	46,92	132	19,85	4
IPR014978	363	46,6	160	20,54	4
IPR016688	111	46,25	124	51,67	4
IPR016222	67	46,21	0	0	0
IPR012137	94	46,08	102	50	5
IPR027214	521	45,98	0	0	0
IPR003656	995	45,92	216	9,97	4
IPR005061	382	45,8	205	24,58	4
IPR005172	304	45,78	0	0	0
IPR026573	359	45,73	259	32,99	6
IPR011124	446	45,6	1	0,1	0
IPR022702	164	45,56	35	9,72	1
IPR026721	113	45,56	2	0,81	0
IPR009518	91	45,5	0	0	0
IPR003406	1115	45,38	2	0,08	0
IPR025476	526	45,27	258	22,2	0
IPR002628	157	45,24	0	0	0
IPR007572	120	44,94	0	0	0
IPR016087	421	44,93	192	20,49	4
IPR004853	1936	44,88	1040	24,11	27
IPR019794	3271	44,67	585	7,99	30
IPR026899	323	44,55	349	48,14	4

IPR019084	122	44,53	152	55,47	3
IPR016170	376	44,13	105	12,32	12
IPR000778	386	44,11	135	15,43	3
IPR003388	978	44,11	198	8,93	5
IPR001810	15938	44,08	9004	24,9	194
IPR010666	696	44,05	278	17,59	9
IPR025585	102	43,97	0	0	0
IPR018119	539	43,86	0	0	0
IPR001289	406	43,75	216	23,28	4
IPR001912	7428	43,75	401	2,36	8
IPR006968	295	43,45	138	20,32	9
IPR001002	814	43,14	1013	53,68	61
IPR024553	176	43,14	80	19,61	0
IPR000007	472	43,11	27	2,47	0
IPR009291	253	43,1	256	43,61	8
IPR021920	95	42,99	0	0	0
IPR002213	6828	42,87	928	5,83	72
IPR021148	266	42,77	206	33,12	4
IPR005049	62	42,76	1	0,69	0
IPR007541	184	42,69	122	28,31	4
IPR005709	6387	42,59	1	0,01	0
IPR005979	100	42,55	0	0	0
IPR018276	85	42,5	1	0,5	0
IPR013936	17	42,5	0	0	0
IPR001245	14073	42,38	630	1,9	1
IPR028222	67	42,14	0	0	0
IPR012004	266	41,89	0	0	0
IPR013955	486	41,86	238	20,5	4
IPR027902	64	41,83	0	0	0
IPR027443	6375	41,73	2432	15,92	115
IPR007856	357	41,71	0	0	0
IPR012400	111	41,57	142	53,18	4
IPR018866	211	41,21	108	21,09	4
IPR019308	95	41,13	0	0	0
IPR010255	5352	41,09	1381	10,6	68
IPR018166	258	41,02	199	31,64	4
IPR025677	43	40,95	0	0	0
IPR027170	300	40,87	221	30,11	4
IPR008238	158	40,83	204	52,71	4
IPR022175	98	40,83	3	1,25	0
IPR016461	1112	40,82	422	15,49	20
IPR019138	90	40,72	1	0,45	0
IPR002680	335	40,7	206	25,03	5
IPR022801	6935	40,67	644	3,78	12
IPR021883	86	40,57	0	0	0
IPR001985	322	40,5	209	26,29	4
IPR005867	1574	40,49	0	0	0
IPR001701	1139	40,42	49	1,74	0
IPR002083	1880	40,41	292	6,28	3
IPR015353	411	40,37	195	19,16	4

IPR007145	343	40,35	208	24,47	4
IPR024867	100	40,32	0	0	0
IPR014712	404	40,2	215	21,39	4
IPR027310	323	39,98	133	16,46	3
IPR018073	363	39,76	0	0	0
IPR024822	52	39,69	1	0,76	0
IPR004895	422	39,66	215	20,21	8
IPR026489	233	39,63	86	14,63	3
IPR001516	11014	39,48	159	0,57	1
IPR005027	293	39,43	11	1,48	0
IPR014103	80	39,41	0	0	0
IPR016072	623	39,26	233	14,68	5
IPR006747	267	39,26	1	0,15	0
IPR015216	62	39,24	8	5,06	0
IPR004207	72	39,13	0	0	0
IPR021641	45	39,13	70	60,87	0
IPR027850	50	39,06	12	9,38	0
IPR008509	152	38,97	87	22,31	9
IPR018040	1331	38,95	146	4,27	12
IPR018202	1297	38,94	1071	32,15	39
IPR018418	133	38,89	0	0	0
IPR018781	68	38,86	0	0	0
IPR017904	461	38,8	204	17,17	3
IPR018971	176	38,77	0	0	0
IPR018928	50	38,76	0	0	0
IPR028346	49	38,58	0	0	0
IPR016607	27	38,57	0	0	0
IPR003653	2002	38,35	725	13,89	30
IPR000726	1231	38,34	15	0,47	0
IPR007378	111	38,01	0	0	0
IPR003175	196	37,98	0	0	0
IPR020428	147	37,98	169	43,67	0
IPR005199	175	37,88	0	0	0
IPR008195	388	37,82	223	21,73	4
IPR022709	90	37,82	3	1,26	0
IPR000070	1905	37,81	298	5,92	20
IPR000222	1569	37,81	691	16,65	12
IPR000549	119	37,78	1	0,32	0
IPR006593	714	37,76	329	17,4	8
IPR026206	52	37,68	0	0	0
IPR017198	71	37,57	2	1,06	0
IPR016763	238	37,48	155	24,41	4
IPR012595	58	37,42	0	0	0
IPR026103	1275	37,4	338	9,91	1
IPR018144	88	37,29	15	6,36	0
IPR006534	365	37,09	357	36,28	8
IPR011643	10	37,04	0	0	0
IPR009880	250	36,98	318	47,04	8
IPR001461	3312	36,89	3119	34,74	72
IPR000270	1183	36,78	687	21,36	16

IPR003882	68	36,76	14	7,57	1
IPR021102	129	36,75	157	44,73	7
IPR018079	5150	36,61	347	2,47	4
IPR009631	81	36,49	0	0	0
IPR013201	1650	36,39	0	0	0
IPR001232	652	36,36	265	14,78	5
IPR021855	76	36,36	0	0	0
IPR011632	16	36,36	0	0	0
IPR010431	153	36,34	0	0	0
IPR001568	2067	36,26	341	5,98	9
IPR003375	79	36,24	0	0	0
IPR008671	375	36,2	2	0,19	0
IPR001563	1949	36,15	1427	26,47	60
IPR010259	1854	36,11	1113	21,67	39
IPR006580	259	36,02	0	0	0
IPR009834	128	35,85	0	0	0
IPR005067	540	35,83	0	0	0
IPR007022	88	35,77	14	5,69	0
IPR012419	125	35,71	87	24,86	4
IPR005455	468	35,67	206	15,7	4
IPR008974	2908	35,67	446	5,47	8
IPR025774	106	35,45	0	0	0
IPR024034	6692	35,41	468	2,48	8
IPR004877	622	35,4	326	18,55	9
IPR008630	316	35,39	483	54,09	9
IPR016897	412	35,3	199	17,05	4
IPR011230	111	35,24	0	0	0
IPR002283	1227	35,1	681	19,48	37
IPR003428	278	35,1	212	26,77	4
IPR000588	34	35,05	0	0	0
IPR005085	117	34,93	1	0,3	0
IPR000197	249	34,92	0	0	0
IPR010765	100	34,84	0	0	0
IPR013320	20289	34,79	4116	7,06	176
IPR009818	365	34,73	12	1,14	0
IPR008138	323	34,73	0	0	0
IPR007719	136	34,69	15	3,83	0
IPR004298	125	34,53	41	11,33	4
IPR011016	991	34,47	459	15,97	10
IPR026147	111	34,47	3	0,93	0
IPR008580	399	34,4	263	22,67	8
IPR003822	384	34,35	296	26,48	7
IPR002653	353	34,31	3	0,29	0
IPR013534	2902	34,21	165	1,94	9
IPR002365	298	34,1	181	20,71	6
IPR007728	466	34,09	151	11,05	4
IPR004993	557	34,07	4	0,24	0
IPR017877	1784	33,97	1471	28,01	40
IPR003823	164	33,95	1	0,21	0
IPR002913	1311	33,92	78	2,02	0

IPR027353	365	33,89	222	20,61	4
IPR011274	101	33,89	0	0	0
IPR013705	161	33,82	266	55,88	11
IPR008803	180	33,71	156	29,21	4
IPR012562	104	33,66	3	0,97	0
IPR007612	638	33,63	100	5,27	3
IPR009686	159	33,62	153	32,35	4
IPR007275	449	33,53	258	19,27	4
IPR009388	57	33,53	0	0	0
IPR018616	72	33,49	2	0,93	0
IPR005722	6696	33,48	252	1,26	4
IPR018121	592	33,39	1	0,06	0
IPR019135	134	33,33	53	13,18	4
IPR024145	114	33,33	70	20,47	1
IPR015914	736	33,33	133	6,02	0
IPR025461	88	33,33	0	0	0
IPR008833	51	33,33	0	0	0
IPR005692	3	33,33	0	0	0
IPR006065	1	33,33	0	0	0
IPR004162	633	33,26	0	0	0
IPR016159	1513	33,16	1069	23,43	23
IPR015724	203	33,12	0	0	0
IPR002775	320	33,06	109	11,26	0
IPR021369	128	32,99	256	65,98	8
IPR015844	24	32,88	0	0	0
IPR010241	298	32,86	1	0,11	0
IPR004294	947	32,84	361	12,52	19
IPR028134	111	32,84	16	4,73	0
IPR016209	178	32,78	0	0	0
IPR006592	5854	32,73	1342	7,5	12
IPR019358	108	32,73	0	0	0
IPR000722	5913	32,72	1353	7,49	12
IPR000743	1900	32,65	1221	20,98	60
IPR012262	59	32,6	0	0	0
IPR004343	228	32,57	218	31,14	4
IPR028015	41	32,54	2	1,59	0
IPR006449	159	32,52	212	43,35	4
IPR027495	133	32,52	161	39,36	2
IPR006813	153	32,48	104	22,08	7
IPR010561	103	32,39	0	0	0
IPR017988	275	32,24	1	0,12	0
IPR017499	59	32,24	1	0,55	0
IPR027725	927	32,21	820	28,49	12
IPR005349	264	32,2	215	26,22	8
IPR028021	115	32,12	1	0,28	0
IPR012535	79	32,11	161	65,45	4
IPR016034	225	32,1	22	3,14	0
IPR023175	195	32,07	200	32,89	4
IPR019142	118	32,07	7	1,9	0
IPR004240	629	32,06	360	18,35	9

IPR002401	10125	32,05	8651	27,38	496
IPR007273	258	32,01	42	5,21	0
IPR021911	96	32	0	0	0
IPR021042	24	32	0	0	0
IPR006378	118	31,89	0	0	0
IPR013010	567	31,84	3	0,17	0
IPR026939	174	31,81	118	21,57	4
IPR000225	2596	31,77	657	8,04	14
IPR018188	1506	31,77	321	6,77	8
IPR020905	40	31,75	0	0	0
IPR002022	701	31,66	481	21,73	57
IPR009637	349	31,56	213	19,26	4
IPR024491	54	31,4	5	2,91	0
IPR014811	430	31,34	399	29,08	8
IPR020874	40	31,25	0	0	0
IPR025661	1401	31,23	0	0	0
IPR011774	64	31,22	0	0	0
IPR018788	49	31,21	7	4,46	0
IPR008963	747	31,2	135	5,64	0
IPR028155	39	31,2	0	0	0
IPR028356	199	31,19	147	23,04	11
IPR024738	148	31,16	196	41,26	4
IPR019141	62	31,16	1	0,5	0
IPR006769	176	31,15	105	18,58	5
IPR014101	52	31,14	0	0	0
IPR016073	555	31,09	390	21,85	8
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IPR017562	737	31,04	0	0	0
IPR021420	58	31,02	0	0	0
IPR025344	80	31,01	0	0	0
IPR008906	1276	30,99	625	15,18	1
IPR006529	133	30,93	120	27,91	4
IPR028275	124	30,92	136	33,92	4
IPR014551	107	30,92	0	0	0
IPR005678	90	30,82	59	20,21	0
IPR000232	865	30,77	801	28,5	12
IPR006239	119	30,75	209	54,01	3
IPR015260	173	30,73	183	32,5	4
IPR005018	478	30,72	96	6,17	4
IPR011417	482	30,7	436	27,77	8
IPR004324	305	30,68	0	0	0
IPR017074	50	30,67	0	0	0
IPR014120	59	30,57	0	0	0
IPR017389	36	30,51	0	0	0
IPR006924	61	30,5	0	0	0
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IPR019448	324	30,39	192	18,01	3
IPR008686	41	30,37	1	0,74	0
IPR008590	109	30,36	1	0,28	0
IPR023960	51	30,36	0	0	0

IPR015701	180	30,35	0	0	0
IPR019389	70	30,3	0	0	0
IPR006917	289	30,26	0	0	0
IPR003103	287	30,24	245	25,82	4
IPR019352	56	30,11	0	0	0
IPR027496	120	30,08	161	40,35	4
IPR026126	40	30,08	1	0,75	0
IPR002413	368	30,02	77	6,28	8
IPR025875	5781	30,01	1001	5,2	21
IPR019616	56	29,95	0	0	0
IPR006553	334	29,85	197	17,61	7
IPR002921	1814	29,85	1169	19,24	23
IPR004860	114	29,84	184	48,17	0
IPR028322	82	29,82	59	21,45	0
IPR011787	48	29,81	0	0	0
IPR004345	555	29,76	400	21,45	8
IPR011947	141	29,75	196	41,35	4
IPR004367	1159	29,75	759	19,48	12
IPR011598	6078	29,75	2118	10,37	47
IPR021832	202	29,75	0	0	0
IPR019028	102	29,74	0	0	0
IPR005818	705	29,73	227	9,57	4
IPR008688	200	29,67	196	29,08	4
IPR023409	573	29,63	378	19,54	8
IPR008976	900	29,62	1	0,03	0
IPR019654	37	29,6	0	0	0
IPR004756	23	29,49	55	70,51	0
IPR000894	604	29,45	0	0	0
IPR000484	3175	29,42	1	0,01	0
IPR025797	30	29,41	0	0	0
IPR008709	46	29,3	2	1,27	0
IPR001778	60	29,27	13	6,34	2
IPR003840	368	29,21	159	12,62	5
IPR001611	15401	29,12	2277	4,31	44
IPR019801	505	29,11	128	7,38	10
IPR019320	45	29,03	2	1,29	0
IPR008496	95	28,96	0	0	0
IPR022170	130	28,95	0	0	0
IPR013698	167	28,94	226	39,17	4
IPR013057	2435	28,93	2143	25,46	73
IPR004289	26	28,89	0	0	0
IPR004316	726	28,87	3	0,12	0
IPR018244	656	28,85	410	18,03	12
IPR003757	70	28,81	0	0	0
IPR004022	273	28,8	198	20,89	4
IPR025659	1150	28,64	190	4,73	3
IPR019634	63	28,64	0	0	0
IPR009249	88	28,57	0	0	0
IPR028045	44	28,57	2	1,3	0
IPR001739	455	28,56	0	0	0

IPR026894	165	28,45	299	51,55	3
IPR015660	180	28,39	0	0	0
IPR009169	132	28,39	4	0,86	0
IPR018610	36	28,35	2	1,57	0
IPR028093	70	28,34	0	0	0
IPR008271	34192	28,27	19158	15,84	357
IPR003958	1068	28,25	1259	33,3	25
IPR028091	63	28,25	0	0	0
IPR021275	51	28,18	0	0	0
IPR013580	180	28,12	0	0	0
IPR019770	308	28,08	286	26,07	9
IPR027858	26	27,96	0	0	0
IPR020529	38	27,94	1	0,74	0
IPR001024	851	27,9	3	0,1	0
IPR008598	250	27,9	0	0	0
IPR012439	70	27,89	96	38,25	0
IPR016139	233	27,77	1	0,12	0
IPR016632	28	27,72	0	0	0
IPR019312	77	27,7	11	3,96	0
IPR000010	564	27,69	0	0	0
IPR002648	36	27,69	5	3,85	0
IPR020478	326	27,65	403	34,18	19
IPR002659	889	27,65	77	2,4	4
IPR018501	303	27,62	183	16,68	4
IPR019400	187	27,54	159	23,42	5
IPR012926	88	27,5	4	1,25	0
IPR006266	135	27,44	171	34,76	3
IPR012386	55	27,36	100	49,75	0
IPR021919	50	27,32	0	0	0
IPR019023	30	27,27	0	0	0
IPR024462	156	27,23	9	1,57	0
IPR028158	40	27,21	1	0,68	0
IPR015916	1780	27,2	534	8,16	21
IPR000922	435	27,19	0	0	0
IPR010908	573	27,13	546	25,85	11
IPR005123	6572	27,11	3085	12,73	126
IPR004342	312	27,06	396	34,35	8
IPR006941	407	27,04	312	20,73	9
IPR022203	50	27,03	0	0	0
IPR018922	30	27,03	0	0	0
IPR014400	641	27,01	414	17,45	4
IPR022017	57	27,01	0	0	0
IPR015202	257	27	430	45,17	14
IPR008710	81	27	3	1	0
IPR013990	194	26,98	0	0	0
IPR010358	41	26,97	1	0,66	0
IPR014889	102	26,91	17	4,49	0
IPR027951	47	26,86	7	4	0
IPR011943	44	26,83	20	12,2	0
IPR010903	134	26,8	2	0,4	0



IPR007726	114	26,76	1	0,23	0
IPR000116	89	26,73	65	19,52	3
IPR028097	58	26,73	0	0	0
IPR000308	673	26,7	468	18,56	10
IPR028309	142	26,69	1	0,19	0
IPR009836	119	26,68	252	56,5	12
IPR014830	260	26,67	195	20	4
IPR022552	48	26,67	0	0	0
IPR028110	44	26,67	20	12,12	0
IPR026853	40	26,67	0	0	0
IPR000793	8655	26,64	902	2,78	16
IPR019446	143	26,63	196	36,5	4
IPR024861	53	26,63	1	0,5	0
IPR007853	134	26,53	183	36,24	4
IPR021135	1695	26,51	0	0	0
IPR010734	386	26,51	0	0	0
IPR024158	129	26,49	181	37,17	4
IPR014909	71	26,49	0	0	0
IPR003666	59	26,46	0	0	0
IPR005175	940	26,45	0	0	0
IPR005607	348	26,44	388	29,48	7
IPR022051	69	26,44	0	0	0
IPR017441	27677	26,4	14310	13,65	273
IPR001805	187	26,34	210	29,58	4
IPR010580	97	26,22	76	20,54	4
IPR023282	190	26,13	250	34,39	4
IPR007652	102	26,09	3	0,77	0
IPR021419	48	26,09	4	2,17	0
IPR007855	256	26,07	503	51,22	13
IPR021467	49	26,06	0	0	0
IPR024599	104	26	0	0	0
IPR008383	59	25,99	14	6,17	0
IPR014492	166	25,94	212	33,12	4
IPR023410	681	25,94	513	19,54	12
IPR003888	208	25,9	48	5,98	0
IPR004198	210	25,89	163	20,1	4
IPR002720	114	25,85	1	0,23	0
IPR028226	46	25,84	0	0	0
IPR025398	437	25,81	0	0	0
IPR016519	16	25,81	45	72,58	0
IPR006760	166	25,78	238	36,96	5
IPR016901	25	25,77	3	3,09	0
IPR002719	111	25,75	1	0,23	0
IPR005375	52	25,74	0	0	0
IPR007216	163	25,71	224	35,33	4
IPR007657	728	25,71	144	5,08	0
IPR008417	214	25,66	294	35,25	4
IPR006567	180	25,6	115	16,36	3
IPR024416	11	25,58	0	0	0
IPR021995	56	25,57	0	0	0

IPR016460	164	25,55	221	34,42	4
IPR007010	221	25,55	274	31,68	4
IPR007218	71	25,54	137	49,28	4
IPR024729	146	25,52	238	41,61	5
IPR025999	57	25,45	0	0	0
IPR018614	35	25,36	0	0	0
IPR003889	199	25,35	37	4,71	0
IPR013885	40	25,32	55	34,81	0
IPR009724	42	25,3	0	0	0
IPR017506	43	25,29	0	0	0
IPR009716	113	25,28	131	29,31	7
IPR008547	182	25,28	264	36,67	11
IPR001025	703	25,28	802	28,84	19
IPR018545	93	25,27	118	32,07	4
IPR004100	8748	25,27	844	2,44	16
IPR003864	501	25,25	1005	50,66	20
IPR017109	53	25,24	13	6,19	0
IPR007217	120	25,21	230	48,32	4
IPR002710	393	25,19	433	27,76	8
IPR000782	1169	25,17	725	15,61	40
IPR000133	260	25,17	304	29,43	8
IPR013878	168	25,15	205	30,69	3
IPR021562	46	25,14	0	0	0
IPR026750	50	25,13	0	0	0
IPR011949	127	25,05	38	7,5	0
IPR000535	603	25,01	232	9,62	4
IPR012935	99	25	179	45,2	4
IPR028103	57	25	0	0	0
IPR017182	33	25	9	6,82	0
IPR006031	20	25	6	7,5	0
IPR004827	3351	24,99	3863	28,81	107
IPR013128	2189	24,96	5	0,06	0
IPR010530	156	24,92	152	24,28	4
IPR003397	624	24,9	878	35,04	18
IPR014733	2776	24,9	1061	9,52	27
IPR011074	1105	24,89	1078	24,28	19
IPR015648	105	24,88	5	1,18	0
IPR015700	171	24,85	231	33,58	5
IPR021374	41	24,85	0	0	0
IPR002554	333	24,83	230	17,15	4
IPR003137	1923	24,76	1018	13,11	59
IPR006828	172	24,75	249	35,83	4
IPR000719	46308	24,75	26958	14,41	532
IPR010285	915	24,72	622	16,81	13
IPR028159	41	24,7	0	0	0
IPR016650	129	24,67	143	27,34	4
IPR018444	362	24,66	412	28,07	8
IPR022316	18	24,66	0	0	0
IPR005874	169	24,56	209	30,38	8
IPR003386	369	24,53	237	15,76	4

IPR020396	1312	24,5	167	3,12	4
IPR022113	59	24,48	0	0	0
IPR002498	588	24,47	519	21,6	12
IPR016542	21	24,42	2	2,33	0
IPR010742	51	24,4	0	0	0
IPR009829	30	24,39	1	0,81	0
IPR006595	635	24,38	773	29,67	17
IPR008999	382	24,38	189	12,06	5
IPR008856	78	24,38	0	0	0
IPR018619	68	24,37	0	0	0
IPR007915	48	24,37	10	5,08	0
IPR026736	48	24,37	0	0	0
IPR009262	179	24,32	185	25,14	8
IPR004910	297	24,32	355	29,07	7
IPR024707	41	24,26	0	0	0
IPR021434	41	24,26	0	0	0
IPR003169	332	24,25	420	30,68	9
IPR017972	9266	24,23	9008	23,55	515
IPR022122	71	24,23	0	0	0
IPR007012	244	24,21	308	30,56	7
IPR013194	164	24,19	238	35,1	4
IPR004545	63	24,14	16	6,13	0
IPR015633	273	24,12	17	1,5	0
IPR015527	82	24,12	0	0	0
IPR005606	128	24,11	207	38,98	4
IPR000757	1598	24,1	1901	28,66	88
IPR005571	151	24,08	210	33,49	4
IPR022542	39	24,07	6	3,7	0
IPR000590	101	24,05	176	41,9	5
IPR007199	126	24,05	203	38,74	4
IPR026314	43	24,02	0	0	0
IPR003938	485	23,97	0	0	0
IPR021891	115	23,96	170	35,42	4
IPR017923	564	23,96	558	23,7	12
IPR015655	3071	23,96	1061	8,28	21
IPR026151	46	23,96	0	0	0
IPR007369	294	23,92	191	15,54	5
IPR012492	44	23,91	3	1,63	0
IPR019310	59	23,89	158	63,97	3
IPR000058	496	23,88	426	20,51	9
IPR027484	547	23,87	516	22,51	12
IPR018500	107	23,83	6	1,34	0
IPR003316	364	23,82	35	2,29	0
IPR004806	166	23,78	198	28,37	3
IPR008560	62	23,75	0	0	0
IPR018266	111	23,72	156	33,33	4
IPR006861	153	23,68	135	20,9	1
IPR016818	39	23,64	16	9,7	0
IPR013899	174	23,58	403	54,61	8
IPR027483	540	23,57	509	22,22	12

IPR005568	110	23,55	24	5,14	0
IPR007508	61	23,55	0	0	0
IPR000668	2131	23,52	13	0,14	0
IPR018881	39	23,49	0	0	0
IPR016123	690	23,48	199	6,77	4
IPR026055	368	23,48	66	4,21	2
IPR008851	84	23,46	103	28,77	1
IPR022075	68	23,45	49	16,9	0
IPR000407	423	23,43	462	25,6	8
IPR020003	8842	23,43	896	2,37	16
IPR006380	345	23,42	2	0,14	0
IPR028265	26	23,42	2	1,8	0
IPR024015	33	23,4	0	0	0
IPR025718	105	23,39	161	35,86	4
IPR004648	238	23,33	782	76,67	42
IPR024880	125	23,32	157	29,29	4
IPR027370	180	23,32	197	25,52	4
IPR002344	212	23,32	219	24,09	4
IPR012982	54	23,28	0	0	0
IPR023494	33	23,24	0	0	0
IPR019083	59	23,23	181	71,26	4
IPR009721	296	23,23	1	0,08	0
IPR000300	641	23,22	790	28,62	16
IPR020464	84	23,2	0	0	0
IPR013729	118	23,18	187	36,74	4
IPR011775	79	23,17	0	0	0
IPR019956	1024	23,15	929	21	18
IPR024933	40	23,12	8	4,62	0
IPR004142	192	23,1	0	0	0
IPR001128	12980	23,09	15239	27,11	853
IPR014939	87	23,08	109	28,91	3
IPR018611	47	23,04	3	1,47	0
IPR006880	92	23	197	49,25	4
IPR018333	331	22,92	258	17,87	8
IPR004591	123	22,91	217	40,41	4
IPR011001	379	22,89	1	0,06	0
IPR005066	868	22,87	814	21,44	22
IPR006687	164	22,87	191	26,64	4
IPR001330	474	22,84	746	35,95	13
IPR014912	53	22,84	0	0	0
IPR022244	37	22,84	0	0	0
IPR003121	527	22,83	541	23,44	10
IPR013951	55	22,82	178	73,86	4
IPR006281	13	22,81	0	0	0
IPR003527	691	22,74	757	24,91	14
IPR011799	40	22,73	0	0	0
IPR019164	47	22,71	0	0	0
IPR004274	891	22,69	1045	26,61	19
IPR015761	127	22,68	147	26,25	4
IPR024741	41	22,65	0	0	0

IPR014806	41	22,65	0	0	0
IPR020163	48	22,64	147	69,34	3
IPR000872	119	22,62	195	37,07	4
IPR019721	61	22,59	162	60	4
IPR018883	7	22,58	0	0	0
IPR013863	79	22,51	228	64,96	5
IPR018033	45	22,5	0	0	0
IPR011937	36	22,5	0	0	0
IPR027237	62	22,46	164	59,42	4
IPR000679	1012	22,46	1722	38,22	30
IPR002041	172	22,4	235	30,6	4
IPR003194	103	22,39	195	42,39	4
IPR011498	176	22,36	48	6,1	0
IPR000157	2395	22,35	8	0,07	0
IPR000806	169	22,32	225	29,72	4
IPR001580	293	22,32	214	16,3	5
IPR008166	225	22,32	4	0,4	0
IPR019387	39	22,29	2	1,14	0
IPR005034	147	22,27	253	38,33	8
IPR007828	112	22,27	189	37,57	4
IPR014020	258	22,26	2	0,17	0
IPR004331	554	22,22	1475	59,17	33
IPR012621	66	22,22	123	41,41	3
IPR004911	156	22,22	133	18,95	4
IPR027786	109	22,2	211	42,97	4
IPR025261	83	22,19	114	30,48	4
IPR006515	176	22,19	168	21,19	3
IPR007130	306	22,19	217	15,74	5
IPR025749	148	22,16	9	1,35	0
IPR016706	105	22,15	151	31,86	4
IPR023610	396	22,15	294	16,44	8
IPR008139	387	22,15	44	2,52	2
IPR020946	761	22,14	870	25,31	53
IPR015360	163	22,09	205	27,78	4
IPR016574	19	22,09	0	0	0
IPR013918	64	22,07	177	61,03	4
IPR014381	124	22,06	191	33,99	3
IPR011084	181	22,05	293	35,69	8
IPR008521	428	22,05	703	36,22	17
IPR004932	127	22,05	220	38,19	4
IPR019954	813	22,03	841	22,79	17
IPR014772	213	22,03	201	20,79	4
IPR019155	63	22,03	1	0,35	0
IPR001351	2727	22,02	258	2,08	4
IPR005732	2146	22,02	2	0,02	0
IPR021659	35	22,01	0	0	0
IPR005178	290	21,99	386	29,26	15
IPR004554	170	21,99	237	30,66	5
IPR014034	193	21,96	3	0,34	0
IPR006012	528	21,9	589	24,43	8

IPR013809	624	21,89	900	31,58	15
IPR014854	114	21,88	218	41,84	4
IPR001096	341	21,87	220	14,11	4
IPR013083	22021	21,86	16935	16,81	401
IPR001841	15090	21,85	11239	16,28	278
IPR018124	259	21,84	201	16,95	5
IPR019385	45	21,84	0	0	0
IPR016820	24	21,82	0	0	0
IPR004277	89	21,81	25	6,13	0
IPR017151	75	21,8	140	40,7	3
IPR005016	212	21,79	205	21,07	4
IPR028058	88	21,78	179	44,31	4
IPR027973	47	21,76	13	6,02	0
IPR000406	153	21,73	238	33,81	5
IPR010159	69	21,7	1	0,31	0
IPR024792	152	21,68	238	33,95	5
IPR027728	142	21,68	160	24,43	2
IPR008434	70	21,67	0	0	0
IPR018279	82	21,64	143	37,73	4
IPR002853	43	21,61	26	13,07	0
IPR002222	2589	21,56	410	3,41	8
IPR003521	64	21,55	42	14,14	0
IPR025283	42	21,54	13	6,67	0
IPR002061	38	21,47	0	0	0
IPR023575	2579	21,46	410	3,41	8
IPR007701	110	21,44	130	25,34	4
IPR007306	60	21,43	201	71,79	4
IPR024888	241	21,4	372	33,04	8
IPR018065	125	21,4	179	30,65	2
IPR019514	49	21,4	0	0	0
IPR025224	60	21,35	0	0	0
IPR005610	54	21,34	0	0	0
IPR004854	178	21,32	332	39,76	8
IPR013865	95	21,3	147	32,96	4
IPR008559	49	21,3	0	0	0
IPR008470	40	21,28	0	0	0
IPR009033	253	21,24	207	17,38	4
IPR009617	97	21,23	146	31,95	4
IPR003101	108	21,22	24	4,72	0
IPR015871	98	21,21	208	45,02	4
IPR000438	2299	21,2	0	0	0
IPR019149	53	21,2	0	0	0
IPR002472	147	21,18	168	24,21	4
IPR019153	48	21,15	2	0,88	0
IPR010754	100	21,14	163	34,46	4
IPR016967	37	21,14	1	0,57	0
IPR006598	384	21,12	767	42,19	20
IPR025954	49	21,12	0	0	0
IPR009067	34	21,12	4	2,48	0
IPR028288	108	21,09	1	0,2	0

IPR007120	4912	21,06	3558	15,26	12
IPR025852	101	21,04	125	26,04	0
IPR013323	617	21,02	98	3,34	4
IPR027246	353	21,01	432	25,71	8
IPR019129	54	21,01	31	12,06	0
IPR002119	678	21	437	13,54	8
IPR026060	46	21	1	0,46	0
IPR014631	26	20,97	0	0	0
IPR019955	2835	20,95	2824	20,86	62
IPR027230	136	20,92	205	31,54	4
IPR021489	32	20,92	0	0	0
IPR008733	241	20,87	475	41,13	9
IPR016705	29	20,86	0	0	0
IPR019147	70	20,83	3	0,89	0
IPR001040	429	20,82	545	26,44	13
IPR002387	78	20,8	1	0,27	0
IPR019835	218	20,76	197	18,76	3
IPR009069	303	20,73	496	33,93	12
IPR019379	35	20,71	2	1,18	0
IPR000781	59	20,7	7	2,46	0
IPR004813	927	20,68	1632	36,4	91
IPR015872	97	20,68	204	43,5	4
IPR024734	84	20,64	188	46,19	4
IPR004182	611	20,63	536	18,1	9
IPR010253	65	20,63	0	0	0
IPR019150	82	20,6	139	34,92	3
IPR023780	1319	20,6	1898	29,64	43
IPR003891	383	20,6	406	21,84	8
IPR023601	104	20,59	193	38,22	4
IPR006816	232	20,59	145	12,87	4
IPR001965	3546	20,56	3442	19,95	77
IPR025893	59	20,56	2	0,7	0
IPR013946	60	20,55	190	65,07	4
IPR027629	30	20,55	0	0	0
IPR009145	166	20,54	184	22,77	4
IPR006639	314	20,54	182	11,9	3
IPR020934	2346	20,51	329	2,88	8
IPR002092	183	20,49	263	29,45	4
IPR025704	42	20,49	0	0	0
IPR022229	43	20,48	14	6,67	0
IPR008111	69	20,47	112	33,23	4
IPR009542	87	20,47	165	38,82	4
IPR016180	2554	20,47	444	3,56	8
IPR008826	114	20,47	6	1,08	0
IPR001313	573	20,46	1132	40,41	20
IPR014709	110	20,45	185	34,39	4
IPR008221	37	20,44	129	71,27	4
IPR012445	75	20,44	155	42,23	4
IPR019769	191	20,43	232	24,81	4
IPR009890	50	20,41	35	14,29	0

IPR022365	82	20,4	96	23,88	4
IPR027640	2521	20,39	2004	16,21	48
IPR027093	53	20,38	10	3,85	0
IPR021189	161	20,35	134	16,94	4
IPR019370	37	20,33	3	1,65	0
IPR026570	38	20,32	1	0,53	0
IPR017334	97	20,29	180	37,66	5
IPR004709	348	20,29	201	11,72	4
IPR013255	72	20,28	176	49,58	4
IPR018731	87	20,28	174	40,56	4
IPR004152	306	20,28	510	33,8	12
IPR019845	650	20,28	275	8,58	8
IPR003832	256	20,27	0	0	0
IPR006011	486	20,25	611	25,46	15
IPR017231	52	20,23	179	69,65	4
IPR026868	52	20,23	125	48,64	3
IPR005341	88	20,23	177	40,69	4
IPR013880	78	20,21	151	39,12	4
IPR016562	39	20,21	72	37,31	0
IPR008335	574	20,16	814	28,59	21
IPR021025	25	20,16	2	1,61	0
IPR015007	55	20,15	77	28,21	0
IPR019333	32	20,13	2	1,26	0
IPR017884	920	20,12	987	21,59	17
IPR002812	65	20,12	1	0,31	0
IPR004241	251	20,1	182	14,57	6
IPR019377	41	20,1	8	3,92	0
IPR006671	1610	20,08	1952	24,35	32
IPR008930	2685	20,08	1001	7,49	23
IPR000558	462	20,08	275	11,95	4
IPR019335	54	20,07	41	15,24	0
IPR013981	149	20,05	0	0	0
IPR011068	220	20,04	293	26,68	7
IPR001283	862	20,04	623	14,48	17
IPR027140	123	20,03	215	35,02	4
IPR011564	88	20	233	52,95	6
IPR006808	98	20	197	40,2	4
IPR003100	666	20	465	13,96	8
IPR017250	24	20	0	0	0
IPR015833	3	20	12	80	0
IPR006909	138	19,97	255	36,9	7
IPR001944	817	19,97	347	8,48	25
IPR000626	2380	19,96	2461	20,64	56
IPR001372	283	19,96	176	12,41	4
IPR019188	48	19,92	9	3,73	0
IPR016543	89	19,91	180	40,27	4
IPR009044	205	19,9	174	16,89	3
IPR002867	795	19,88	1146	28,66	48
IPR007305	264	19,83	388	29,15	8
IPR008806	78	19,8	180	45,69	4



IPR027711	80	19,8	206	50,99	4
IPR026243	20	19,8	0	0	0
IPR013838	520	19,79	922	35,08	27
IPR000061	329	19,77	337	20,25	8
IPR003165	563	19,77	493	17,31	9
IPR019382	107	19,74	132	24,35	4
IPR006703	410	19,74	74	3,56	2
IPR020189	206	19,73	286	27,39	8
IPR006238	54	19,71	197	71,9	4
IPR025927	67	19,71	0	0	0
IPR017399	13	19,7	0	0	0
IPR006630	376	19,69	467	24,45	8
IPR011899	183	19,68	367	39,46	8
IPR007570	35	19,66	0	0	0
IPR009472	54	19,64	0	0	0
IPR016453	91	19,61	190	40,95	4
IPR016641	160	19,61	199	24,39	4
IPR006252	754	19,61	278	7,23	9
IPR023208	86	19,59	228	51,94	7
IPR007751	317	19,59	714	44,13	21
IPR014876	276	19,59	652	46,27	14
IPR021933	73	19,57	143	38,34	4
IPR010003	35	19,55	0	0	0
IPR001752	2419	19,54	2025	16,36	46
IPR013048	33	19,53	35	20,71	2
IPR009787	33	19,53	0	0	0
IPR014645	57	19,52	0	0	0
IPR006896	398	19,51	672	32,94	13
IPR007042	74	19,47	148	38,95	4
IPR000114	2114	19,47	205	1,89	4
IPR007754	44	19,47	0	0	0
IPR018502	484	19,46	278	11,18	8
IPR014042	113	19,45	204	35,11	4
IPR001251	1484	19,44	1356	17,76	23
IPR024639	28	19,44	0	0	0
IPR024675	89	19,43	176	38,43	4
IPR001982	184	19,43	621	65,58	1
IPR019162	34	19,43	3	1,71	0
IPR003617	70	19,39	12	3,32	0
IPR019351	38	19,39	6	3,06	0
IPR005550	93	19,38	202	42,08	4
IPR018262	73	19,36	125	33,16	2
IPR019137	59	19,34	1	0,33	0
IPR018997	159	19,32	31	3,77	0
IPR009378	40	19,32	0	0	0
IPR011679	83	19,3	167	38,84	4
IPR006636	431	19,3	647	28,97	16
IPR015338	155	19,28	46	5,72	0
IPR007526	353	19,26	750	40,92	15
IPR007811	92	19,25	197	41,21	5

IPR028107	36	19,25	0	0	0
IPR019176	40	19,23	1	0,48	0
IPR025067	94	19,22	0	0	0
IPR000571	2672	19,21	3175	22,83	68
IPR016965	145	19,21	41	5,43	0
IPR021495	29	19,21	0	0	0
IPR018281	115	19,17	154	25,67	4
IPR008380	157	19,17	2	0,24	0
IPR018256	109	19,16	180	31,63	4
IPR007699	147	19,12	213	27,7	4
IPR006900	368	19,1	655	33,99	12
IPR005615	124	19,08	228	35,08	4
IPR025952	49	19,07	97	37,74	4
IPR027749	37	19,07	2	1,03	0
IPR027111	77	19,06	141	34,9	4
IPR016527	35	19,02	43	23,37	0
IPR001884	212	19,01	342	30,67	8
IPR024075	115	18,98	206	33,99	4
IPR007808	103	18,97	191	35,17	4
IPR003177	74	18,97	11	2,82	0
IPR021954	29	18,95	0	0	0
IPR019786	2292	18,92	2649	21,87	67
IPR016966	48	18,9	154	60,63	4
IPR006895	396	18,88	661	31,52	12
IPR023398	436	18,87	659	28,52	16
IPR005998	139	18,81	197	26,66	4
IPR013537	149	18,81	214	27,02	4
IPR007248	419	18,8	847	38	24
IPR006607	47	18,8	6	2,4	0
IPR004123	120	18,78	215	33,65	4
IPR009374	76	18,77	125	30,86	4
IPR019329	67	18,77	140	39,22	3
IPR003130	390	18,77	605	29,11	16
IPR000047	723	18,73	25	0,65	0
IPR002672	101	18,7	152	28,15	5
IPR018103	106	18,69	184	32,45	4
IPR007705	122	18,68	208	31,85	4
IPR014891	106	18,66	212	37,32	4
IPR010036	85	18,64	188	41,23	4
IPR022052	241	18,61	474	36,6	8
IPR024771	126	18,61	180	26,59	4
IPR027815	239	18,6	798	62,1	16
IPR027074	40	18,6	3	1,4	0
IPR003349	292	18,59	458	29,15	8
IPR001071	339	18,59	158	8,66	4
IPR026848	29	18,59	2	1,28	0
IPR011009	49316	18,58	36735	13,84	690
IPR007527	2089	18,58	392	3,49	12
IPR018783	55	18,58	69	23,31	0
IPR013857	194	18,56	256	24,5	12

IPR024603	49	18,56	30	11,36	0
IPR018627	38	18,54	34	16,59	4
IPR018222	434	18,54	725	30,97	16
IPR027516	63	18,53	152	44,71	4
IPR016827	55	18,52	156	52,53	4
IPR011776	40	18,52	0	0	0
IPR022214	52	18,51	99	35,23	4
IPR021773	86	18,49	167	35,91	4
IPR028061	92	18,47	183	36,75	4
IPR013178	125	18,46	202	29,84	4
IPR000756	279	18,46	4	0,26	0
IPR008905	92	18,44	178	35,67	4
IPR000504	10439	18,44	12762	22,54	265
IPR027500	112	18,42	156	25,66	4
IPR012988	165	18,42	199	22,21	4
IPR023313	1326	18,4	2182	30,28	38
IPR010714	100	18,38	207	38,05	4
IPR005294	2326	18,38	227	1,79	4
IPR007834	72	18,37	176	44,9	4
IPR016536	18	18,37	0	0	0
IPR024340	78	18,35	164	38,59	4
IPR002030	155	18,34	79	9,35	1
IPR018786	48	18,32	206	78,63	4
IPR009463	73	18,3	14	3,51	0
IPR010989	933	18,29	1480	29,01	28
IPR010122	106	18,28	237	40,86	7
IPR009395	57	18,27	97	31,09	4
IPR001780	131	18,27	216	30,13	4
IPR016208	139	18,27	128	16,82	3
IPR027531	48	18,25	110	41,83	3
IPR023184	100	18,25	214	39,05	4
IPR000194	9940	18,25	955	1,75	16
IPR013144	282	18,24	612	39,59	16
IPR016695	70	18,23	0	0	0
IPR004667	142	18,21	47	6,03	0
IPR015425	537	18,2	307	10,41	4
IPR028163	52	18,18	105	36,71	4
IPR024761	46	18,18	124	49,01	2
IPR005062	278	18,18	625	40,88	12
IPR019376	56	18,18	0	0	0
IPR021503	44	18,18	0	0	0
IPR000996	121	18,17	215	32,28	4
IPR015310	126	18,16	254	36,6	4
IPR010334	104	18,15	208	36,3	4
IPR013212	110	18,15	230	37,95	4
IPR012921	165	18,15	150	16,5	4
IPR008832	45	18,15	38	15,32	0
IPR000744	166	18,12	204	22,27	4
IPR013921	54	18,12	99	33,22	0
IPR014770	209	18,11	199	17,24	4

IPR002124	105	18,1	200	34,48	4
IPR023442	149	18,08	228	27,67	4
IPR007846	64	18,08	118	33,33	0
IPR024943	101	18,07	178	31,84	4
IPR011691	148	18,07	224	27,35	4
IPR019821	1546	18,07	1548	18,09	32
IPR026949	73	18,07	12	2,97	0
IPR019443	82	18,06	227	50	4
IPR004861	175	18,06	449	46,34	4
IPR004887	111	18,05	225	36,59	4
IPR005045	179	18,04	317	31,96	6
IPR019324	35	18,04	11	5,67	0
IPR005200	110	18,03	272	44,59	8
IPR013657	331	18,03	656	35,73	15
IPR012220	51	18,02	182	64,31	4
IPR008468	29	18,01	1	0,62	0
IPR024964	356	18	812	41,05	18
IPR001464	366	18	153	7,53	4
IPR000048	2649	17,99	969	6,58	24
IPR002455	136	17,99	5	0,66	0
IPR019020	50	17,99	0	0	0
IPR009083	167	17,98	376	40,47	8
IPR022407	114	17,98	157	24,76	5
IPR006349	92	17,97	185	36,13	2
IPR019396	86	17,95	4	0,84	0
IPR010585	38	17,92	48	22,64	4
IPR017346	12	17,91	0	0	0
IPR007529	275	17,9	482	31,38	10
IPR012466	89	17,87	125	25,1	3
IPR001326	145	17,86	199	24,51	4
IPR000783	154	17,84	205	23,75	5
IPR000530	122	17,84	207	30,26	4
IPR011183	122	17,84	0	0	0
IPR011422	75	17,81	197	46,79	4
IPR022042	52	17,81	30	10,27	0
IPR015699	120	17,8	234	34,72	4
IPR003323	691	17,8	655	16,88	11
IPR015120	34	17,8	0	0	0
IPR013632	490	17,79	592	21,5	7
IPR019269	37	17,79	15	7,21	0
IPR003213	168	17,78	380	40,21	8
IPR006692	202	17,78	449	39,52	8
IPR018965	136	17,78	210	27,45	3
IPR017060	48	17,78	2	0,74	0
IPR016664	32	17,78	3	1,67	0
IPR010675	65	17,76	37	10,11	0
IPR004971	123	17,75	201	29	4
IPR005578	107	17,74	217	35,99	5
IPR013567	90	17,72	179	35,24	4
IPR007203	97	17,7	230	41,97	4

IPR027528	49	17,69	108	38,99	4
IPR000608	2181	17,68	3789	30,71	83
IPR019787	2413	17,68	2845	20,85	60
IPR025810	56	17,67	235	74,13	10
IPR018865	47	17,67	116	43,61	3
IPR000009	167	17,67	231	24,44	4
IPR000109	2837	17,67	720	4,48	31
IPR021261	60	17,65	194	57,06	4
IPR018203	239	17,65	437	32,27	9
IPR003616	650	17,65	682	18,52	19
IPR019538	52	17,63	9	3,05	0
IPR027078	81	17,61	167	36,3	4
IPR026847	279	17,6	259	16,34	8
IPR003422	86	17,59	195	39,88	4
IPR014764	177	17,59	202	20,08	4
IPR027501	32	17,58	102	56,04	4
IPR012171	135	17,58	283	36,85	8
IPR013763	2363	17,58	3294	24,51	58
IPR016266	32	17,58	30	16,48	0
IPR011948	258	17,57	409	27,86	7
IPR023598	88	17,56	141	28,14	5
IPR024160	67	17,54	37	9,69	0
IPR012951	704	17,53	1636	40,75	106
IPR021622	64	17,53	165	45,21	4
IPR006634	543	17,53	756	24,41	21
IPR008942	1305	17,5	2403	32,23	47
IPR009104	7	17,5	0	0	0
IPR012936	230	17,49	425	32,32	8
IPR026059	39	17,49	3	1,35	0
IPR002587	324	17,46	205	11,05	5
IPR014646	61	17,43	162	46,29	4
IPR006910	156	17,43	387	43,24	7
IPR021763	38	17,43	0	0	0
IPR006590	108	17,42	223	35,97	5
IPR005326	136	17,41	230	29,45	4
IPR006594	992	17,4	1407	24,68	28
IPR008288	20	17,39	0	0	0
IPR015661	115	17,37	252	38,07	5
IPR002044	319	17,37	293	15,96	12
IPR011940	46	17,36	87	32,83	0
IPR003545	72	17,35	164	39,52	4
IPR002067	1500	17,35	3412	39,46	76
IPR005176	177	17,34	207	20,27	4
IPR005336	183	17,33	415	39,3	8
IPR000313	543	17,33	296	9,45	4
IPR027518	18	17,31	0	0	0
IPR013720	306	17,28	642	36,25	16
IPR013586	85	17,28	198	40,24	4
IPR006903	223	17,27	238	18,44	8
IPR007783	77	17,26	148	33,18	5

IPR012990	333	17,26	657	34,06	12
IPR003196	88	17,22	215	42,07	4
IPR013170	108	17,22	178	28,39	4
IPR012974	170	17,21	388	39,27	8
IPR006721	70	17,2	170	41,77	4
IPR019144	32	17,2	0	0	0
IPR005788	268	17,18	308	19,74	8
IPR001878	9284	17,18	6418	11,88	92
IPR004798	204	17,17	378	31,82	7
IPR007528	73	17,14	212	49,77	4
IPR013566	85	17,14	177	35,69	4
IPR007545	54	17,14	0	0	0
IPR015623	74	17,13	205	47,45	4
IPR017089	50	17,12	110	37,67	4
IPR007225	108	17,12	201	31,85	5
IPR023530	754	17,12	4	0,09	0
IPR002415	143	17,11	338	40,43	7
IPR023128	32	17,11	26	13,9	0
IPR008758	292	17,1	392	22,95	19
IPR013940	40	17,09	134	57,26	4
IPR011555	169	17,07	427	43,13	12
IPR016301	43	17,06	198	78,57	4
IPR019380	58	17,06	124	36,47	4
IPR005366	58	17,06	31	9,12	0
IPR013246	50	17,06	119	40,61	0
IPR017131	36	17,06	3	1,42	0
IPR000876	201	17,05	247	20,95	4
IPR013894	76	17,04	119	26,68	4
IPR001931	101	17,03	199	33,56	4
IPR001320	667	17,03	0	0	0
IPR007603	244	17,02	346	24,13	10
IPR025660	1414	17,01	49	0,59	0
IPR008685	59	17	200	57,64	4
IPR019181	59	17	119	34,29	0
IPR021850	71	16,99	202	48,33	4
IPR009286	72	16,98	188	44,34	5
IPR013176	73	16,98	165	38,37	4
IPR006509	82	16,98	135	27,95	4
IPR009088	170	16,98	415	41,46	8
IPR018283	99	16,98	99	16,98	0
IPR021721	36	16,98	38	17,92	0
IPR018506	605	16,95	1899	53,19	50
IPR013121	547	16,89	1872	57,81	60
IPR009643	67	16,88	91	22,92	4
IPR025814	80	16,88	195	41,14	4
IPR025755	107	16,88	205	32,33	4
IPR018625	27	16,88	52	32,5	1
IPR009269	54	16,88	36	11,25	0
IPR019140	46	16,85	38	13,92	0
IPR012985	15	16,85	65	73,03	0

IPR027542	48	16,84	129	45,26	3
IPR015403	150	16,84	206	23,12	7
IPR011515	57	16,81	168	49,56	4
IPR003038	76	16,81	192	42,48	4
IPR005916	42	16,8	182	72,8	3
IPR008913	296	16,8	361	20,49	10
IPR001388	536	16,8	863	27,04	16
IPR012599	84	16,8	0	0	0
IPR011012	1539	16,77	3067	33,42	64
IPR011400	81	16,74	188	38,84	4
IPR008012	78	16,74	193	41,42	3
IPR015566	80	16,74	35	7,32	0
IPR021039	39	16,74	0	0	0
IPR003228	85	16,73	235	46,26	4
IPR015151	83	16,73	0	0	0
IPR007513	112	16,72	187	27,91	5
IPR019163	65	16,71	140	35,99	4
IPR021772	67	16,71	201	50,12	4
IPR005037	127	16,71	205	26,97	4
IPR005819	298	16,71	203	11,39	5
IPR019273	77	16,7	211	45,77	4
IPR003197	85	16,7	193	37,92	4
IPR002075	390	16,68	515	22,03	12
IPR015672	62	16,67	118	31,72	4
IPR024991	58	16,67	165	47,41	3
IPR016692	45	16,67	64	23,7	0
IPR009755	40	16,67	1	0,42	0
IPR017410	16	16,67	0	0	0
IPR018613	49	16,61	122	41,36	4
IPR015187	43	16,6	55	21,24	0
IPR015712	6305	16,58	10305	27,09	19
IPR007262	83	16,57	200	39,92	4
IPR006599	204	16,57	320	26	7
IPR014387	57	16,57	105	30,52	0
IPR012945	126	16,56	181	23,78	4
IPR009400	58	16,52	160	45,58	4
IPR002113	220	16,52	377	28,3	7
IPR016642	71	16,51	183	42,56	4
IPR007518	88	16,51	217	40,71	4
IPR002715	283	16,51	380	22,17	8
IPR008669	18	16,51	29	26,61	0
IPR013861	82	16,5	242	48,69	7
IPR001380	131	16,5	235	29,6	4
IPR018280	1786	16,5	184	1,7	4
IPR002108	471	16,49	879	30,78	20
IPR014401	108	16,49	205	31,3	4
IPR010655	105	16,48	239	37,52	7
IPR006568	110	16,47	216	32,34	4
IPR025655	88	16,45	292	54,58	8
IPR005344	75	16,45	207	45,39	4

IPR019985	92	16,43	18	3,21	0
IPR008027	54	16,41	139	42,25	3
IPR023803	1728	16,41	193	1,83	4
IPR019410	587	16,4	1263	35,28	27
IPR016482	114	16,4	196	28,2	4
IPR018067	119	16,39	206	28,37	4
IPR027530	76	16,38	142	30,6	4
IPR017862	83	16,37	189	37,28	4
IPR012317	544	16,37	382	11,49	10
IPR019341	45	16,36	119	43,27	4
IPR019398	71	16,36	192	44,24	4
IPR007271	255	16,35	355	22,76	18
IPR006577	130	16,35	253	31,82	7
IPR007230	110	16,34	295	43,83	4
IPR019809	168	16,33	281	27,31	7
IPR012677	12037	16,33	14228	19,3	296
IPR024931	189	16,32	218	18,83	4
IPR000554	137	16,31	215	25,6	4
IPR027534	283	16,31	481	27,72	8
IPR002675	94	16,29	187	32,41	4
IPR025151	48	16,27	136	46,1	5
IPR005595	68	16,27	92	22,01	4
IPR027512	74	16,26	173	38,02	4
IPR005873	50	16,23	133	43,18	4
IPR018230	56	16,23	144	41,74	4
IPR001925	125	16,23	209	27,14	3
IPR019275	50	16,23	0	0	0
IPR003154	183	16,21	206	18,25	12
IPR027498	89	16,21	135	24,59	3
IPR018943	29	16,2	105	58,66	2
IPR008501	64	16,2	167	42,28	4
IPR001108	70	16,2	4	0,93	0
IPR028361	29	16,2	55	30,73	0
IPR014892	77	16,18	188	39,5	4
IPR002671	123	16,18	223	29,34	5
IPR010422	69	16,16	170	39,81	4
IPR014644	16	16,16	0	0	0
IPR011835	874	16,15	0	0	0
IPR021475	46	16,14	174	61,05	4
IPR005351	41	16,14	65	25,59	3
IPR001748	82	16,14	211	41,54	4
IPR012942	61	16,14	175	46,3	1
IPR004192	85	16,13	207	39,28	4
IPR005024	610	16,13	1350	35,7	26
IPR005124	105	16,13	178	27,34	4
IPR024512	64	16,12	191	48,11	4
IPR021627	34	16,11	49	23,22	0
IPR007482	146	16,1	272	29,99	8
IPR005725	80	16,1	178	35,81	4
IPR002290	8496	16,1	11771	22,31	229



IPR009294	42	16,09	3	1,15	0
IPR018816	62	16,06	147	38,08	4
IPR007653	78	16,05	207	42,59	4
IPR027027	47	16,04	121	41,3	4
IPR021138	106	16,04	221	33,43	4
IPR003337	732	16,04	484	10,61	9
IPR019367	42	16,03	92	35,11	4
IPR016685	59	16,03	156	42,39	4
IPR018075	100	16,03	196	31,41	3
IPR000741	473	16,03	24	0,81	0
IPR009091	1245	16,02	1106	14,23	20
IPR003582	262	16,02	1	0,06	0
IPR014946	41	16,02	0	0	0
IPR023600	61	16,01	229	60,1	3
IPR001594	958	16,01	1105	18,47	26
IPR027108	76	16	200	42,11	4
IPR023238	27	15,98	1	0,59	0
IPR009244	68	15,96	177	41,55	4
IPR003579	1776	15,96	1949	17,52	36
IPR014049	81	15,94	205	40,35	4
IPR027059	90	15,93	218	38,58	4
IPR016149	169	15,91	421	39,64	8
IPR016135	2562	15,91	4959	30,79	108
IPR004403	147	15,91	225	24,35	4
IPR013845	181	15,91	242	21,27	4
IPR020552	67	15,91	0	0	0
IPR007590	142	15,9	348	38,97	9
IPR023194	66	15,9	184	44,34	4
IPR025696	140	15,89	276	31,33	6
IPR026896	71	15,88	169	37,81	5
IPR001813	435	15,88	747	27,26	12
IPR000717	1005	15,87	2500	39,47	54
IPR005792	149	15,87	221	23,54	4
IPR008504	55	15,85	157	45,24	4
IPR022771	55	15,85	123	35,45	4
IPR004209	65	15,85	0	0	0
IPR013912	129	15,83	204	25,03	4
IPR027540	47	15,82	123	41,41	4
IPR009009	2784	15,81	1326	7,53	33
IPR017901	214	15,79	372	27,45	8
IPR009600	77	15,78	196	40,16	4
IPR002013	339	15,75	854	39,67	17
IPR019762	272	15,75	578	33,47	12
IPR000008	3775	15,75	2737	11,42	64
IPR014895	94	15,75	26	4,36	0
IPR025183	42	15,73	180	67,42	4
IPR019315	42	15,73	132	49,44	4
IPR001975	115	15,73	177	24,21	5
IPR000169	1504	15,72	278	2,91	11
IPR013256	63	15,71	181	45,14	4

IPR013906	70	15,7	186	41,7	4
IPR022783	129	15,67	168	20,41	4
IPR026741	112	15,66	0	0	0
IPR027248	82	15,65	187	35,69	4
IPR025986	64	15,65	39	9,54	0
IPR000689	18	15,65	27	23,48	0
IPR019160	79	15,64	209	41,39	4
IPR004908	96	15,64	219	35,67	4
IPR006408	399	15,62	370	14,48	25
IPR016197	1372	15,62	2657	30,25	61
IPR016341	84	15,61	190	35,32	3
IPR004575	70	15,59	215	47,88	4
IPR001012	491	15,59	1045	33,17	21
IPR016902	29	15,59	60	32,26	0
IPR010625	194	15,58	381	30,6	4
IPR011719	48	15,58	0	0	0
IPR019515	85	15,57	125	22,89	4
IPR008081	57	15,57	1	0,27	0
IPR018252	272	15,56	90	5,15	4
IPR020860	78	15,54	182	36,25	5
IPR001606	372	15,54	577	24,1	17
IPR008721	43	15,52	155	55,96	4
IPR007051	73	15,5	145	30,79	4
IPR007258	82	15,5	198	37,43	4
IPR000357	351	15,5	316	13,95	2
IPR023213	4103	15,49	1591	6,01	65
IPR001473	95	15,47	199	32,41	4
IPR006785	90	15,46	322	55,33	8
IPR016025	96	15,46	198	31,88	4
IPR006775	177	15,46	2	0,17	0
IPR010237	196	15,45	204	16,08	8
IPR016900	62	15,42	179	44,53	6
IPR009730	68	15,42	176	39,91	5
IPR012143	147	15,41	274	28,72	14
IPR014724	2850	15,41	3409	18,43	12
IPR018129	798	15,41	0	0	0
IPR024337	60	15,38	192	49,23	4
IPR001356	5124	15,38	1769	5,31	37
IPR014886	58	15,38	21	5,57	0
IPR007639	54	15,38	97	27,64	0
IPR017422	6	15,38	1	2,56	0
IPR000967	91	15,37	180	30,41	4
IPR013049	115	15,37	184	24,6	3
IPR007320	106	15,36	204	29,57	3
IPR010940	45	15,36	0	0	0
IPR004328	230	15,34	538	35,89	12
IPR027105	77	15,34	201	40,04	4
IPR016899	42	15,33	119	43,43	4
IPR019134	123	15,32	299	37,24	8
IPR023638	110	15,32	163	22,7	4

IPR008847	119	15,32	270	34,75	4
IPR016391	62	15,31	188	46,42	4
IPR015157	62	15,31	163	40,25	3
IPR004882	132	15,3	227	26,3	4
IPR006588	24	15,29	0	0	0
IPR023270	70	15,28	198	43,23	4
IPR006560	156	15,28	305	29,87	8
IPR020636	1109	15,28	1975	27,22	34
IPR019607	33	15,28	76	35,19	0
IPR006569	385	15,26	952	37,73	25
IPR016150	155	15,26	420	41,34	8
IPR004139	78	15,26	0	0	0
IPR019342	34	15,25	54	24,22	3
IPR012978	68	15,25	200	44,84	4
IPR023093	137	15,24	313	34,82	8
IPR015399	89	15,24	165	28,25	4
IPR019175	67	15,23	196	44,55	4
IPR024875	23	15,23	1	0,66	0
IPR002241	263	15,22	327	18,92	17
IPR011039	133	15,22	412	47,14	8
IPR024395	184	15,22	271	22,42	4
IPR022571	65	15,22	0	0	0
IPR025715	82	15,21	150	27,83	0
IPR019009	74	15,2	197	40,45	4
IPR016964	76	15,2	199	39,8	3
IPR000375	434	15,19	1148	40,18	40
IPR007243	89	15,19	218	37,2	4
IPR007676	80	15,18	205	38,9	4
IPR008491	39	15,18	1	0,39	0
IPR003107	559	15,17	1433	38,88	32
IPR006973	71	15,17	190	40,6	4
IPR017107	99	15,16	210	32,16	5
IPR002014	370	15,16	855	35,03	18
IPR022617	212	15,16	439	31,4	7
IPR007745	58	15,14	154	40,21	4
IPR026290	121	15,14	223	27,91	4
IPR000307	1566	15,13	193	1,86	4
IPR010314	65	15,12	192	44,65	4
IPR005570	75	15,12	207	41,73	4
IPR001106	887	15,12	154	2,62	5
IPR019580	77	15,1	211	41,37	4
IPR018108	2886	15,09	7268	38	177
IPR018998	51	15,09	0	0	0
IPR007309	65	15,08	177	41,07	4
IPR000509	106	15,06	212	30,11	4
IPR018105	114	15,06	199	26,29	4
IPR007871	47	15,06	48	15,38	0
IPR025300	74	15,04	254	51,63	17
IPR003855	814	15,04	144	2,66	4
IPR026728	54	15,04	0	0	0

IPR022812	588	15,02	1387	35,44	44
IPR019321	35	15,02	44	18,88	0
IPR004015	74	15,01	192	38,95	4
IPR001876	968	15	775	12,01	18
IPR006064	15	15	3	3	0
IPR013953	70	14,99	196	41,97	4
IPR027524	65	14,98	158	36,41	5
IPR005378	86	14,98	207	36,06	4
IPR005710	129	14,98	219	25,44	4
IPR027999	56	14,97	178	47,59	4
IPR026635	69	14,97	183	39,7	4
IPR014640	35	14,96	167	71,37	2
IPR010686	108	14,94	128	17,7	4
IPR001662	126	14,93	249	29,5	3
IPR005352	51	14,91	188	54,97	4
IPR006822	82	14,91	198	36	4
IPR018267	94	14,9	153	24,25	4
IPR010109	67	14,89	243	54	5
IPR023395	2910	14,89	7481	38,29	182
IPR012462	85	14,89	127	22,24	3
IPR007282	164	14,87	455	41,25	8
IPR018199	106	14,87	191	26,79	4
IPR003377	113	14,85	226	29,7	4
IPR006689	1026	14,85	1521	22,01	28
IPR021714	54	14,84	188	51,65	4
IPR001214	2009	14,84	3208	23,69	102
IPR027079	67	14,82	193	42,7	4
IPR005120	79	14,82	197	36,96	4
IPR022159	44	14,81	77	25,93	4
IPR001026	221	14,81	505	33,85	7
IPR001750	18472	14,81	528	0,42	3
IPR013919	53	14,8	148	41,34	4
IPR019010	58	14,8	141	35,97	4
IPR011333	4194	14,79	3991	14,08	125
IPR007245	73	14,78	203	41,09	4
IPR002784	102	14,78	200	28,99	4
IPR024586	52	14,77	94	26,7	3
IPR024969	241	14,77	611	37,44	12
IPR019314	22	14,77	3	2,01	0
IPR018098	115	14,76	172	22,08	4
IPR027525	54	14,75	159	43,44	4
IPR003128	160	14,75	2	0,18	0
IPR008584	69	14,74	205	43,8	4
IPR004009	255	14,74	102	5,9	2
IPR017956	1360	14,73	2677	29	114
IPR003166	62	14,73	209	49,64	4
IPR011685	148	14,73	332	33,03	8
IPR005723	81	14,73	207	37,64	4
IPR027141	213	14,73	572	39,56	10
IPR015429	374	14,72	882	34,72	21

IPR001268	1594	14,72	171	1,58	4
IPR000315	1483	14,71	68	0,67	2
IPR006093	266	14,7	347	19,18	17
IPR000095	439	14,7	710	23,77	14
IPR002259	187	14,7	194	15,25	4
IPR005282	67	14,69	173	37,94	4
IPR006694	1076	14,69	1279	17,46	29
IPR024794	140	14,68	239	25,05	4
IPR013143	267	14,67	801	44,01	20
IPR001398	146	14,67	131	13,17	4
IPR018106	78	14,66	186	34,96	4
IPR001373	430	14,66	864	29,46	16
IPR002048	6776	14,66	7023	15,2	229
IPR019008	58	14,65	150	37,88	4
IPR021983	71	14,64	200	41,24	4
IPR023573	140	14,64	245	25,63	4
IPR014857	42	14,63	156	54,36	4
IPR021715	67	14,63	191	41,7	5
IPR016020	56	14,62	125	32,64	4
IPR010309	62	14,62	192	45,28	4
IPR019404	45	14,61	157	50,97	4
IPR009846	59	14,6	161	39,85	4
IPR022535	53	14,6	138	38,02	3
IPR027521	54	14,59	167	45,14	4
IPR007303	64	14,58	204	46,47	4
IPR000439	139	14,57	239	25,05	4
IPR017407	32	14,55	97	44,09	4
IPR008148	86	14,55	9	1,52	0
IPR015348	82	14,54	87	15,43	0
IPR028083	50	14,53	173	50,29	5
IPR019328	51	14,53	167	47,58	4
IPR009548	52	14,53	141	39,39	3
IPR024682	34	14,53	45	19,23	0
IPR009210	25	14,53	2	1,16	0
IPR026827	140	14,52	383	39,73	9
IPR022673	306	14,52	837	39,71	19
IPR022091	47	14,51	152	46,91	3
IPR015536	109	14,51	222	29,56	6
IPR024156	831	14,51	1286	22,45	23
IPR018277	77	14,5	114	21,47	3
IPR011011	3797	14,5	4613	17,62	104
IPR016487	54	14,48	153	41,02	4
IPR009917	46	14,47	162	50,94	4
IPR010674	101	14,47	210	30,09	4
IPR024049	125	14,47	223	25,81	4
IPR000408	1107	14,47	1058	13,83	20
IPR004582	63	14,45	196	44,95	4
IPR006886	74	14,45	202	39,45	4
IPR008530	25	14,45	0	0	0
IPR020850	390	14,44	1235	45,74	40

IPR013717	59	14,43	188	45,97	4
IPR026051	68	14,41	194	41,1	4
IPR011665	69	14,41	209	43,63	4
IPR013536	87	14,4	410	67,88	11
IPR013992	89	14,4	209	33,82	4
IPR025969	58	14,39	148	36,72	4
IPR005343	79	14,39	233	42,44	5
IPR016464	51	14,37	147	41,41	5
IPR015940	1112	14,37	1605	20,74	30
IPR007512	58	14,36	173	42,82	4
IPR013957	59	14,36	154	37,47	4
IPR004977	110	14,36	223	29,11	4
IPR000770	83	14,36	0	0	0
IPR000704	169	14,35	517	43,89	11
IPR016021	736	14,35	1493	29,11	27
IPR005011	71	14,34	196	39,6	4
IPR023114	111	14,34	98	12,66	3
IPR007638	43	14,33	93	31	0
IPR019165	56	14,32	168	42,97	4
IPR026873	77	14,31	217	40,33	4
IPR013174	44	14,29	135	43,83	4
IPR010347	94	14,29	300	45,59	8
IPR027415	88	14,29	289	46,92	7
IPR009316	56	14,29	141	35,97	3
IPR009543	130	14,29	210	23,08	5
IPR027547	106	14,29	173	23,32	4
IPR015974	147	14,27	219	21,26	4
IPR026749	85	14,26	281	47,15	7
IPR019807	154	14,26	429	39,72	8
IPR024372	54	14,25	161	42,48	5
IPR024576	63	14,25	190	42,99	4
IPR019145	54	14,25	176	46,44	3
IPR011989	10218	14,25	15990	22,29	355
IPR002906	129	14,25	210	23,2	4
IPR001125	442	14,24	438	14,11	9
IPR005645	182	14,22	827	64,61	30
IPR013112	553	14,22	1889	48,59	64
IPR027247	63	14,22	216	48,76	3
IPR006786	51	14,21	134	37,33	4
IPR005549	56	14,21	195	49,49	4
IPR007062	83	14,21	202	34,59	4
IPR001164	633	14,21	975	21,89	20
IPR013935	70	14,2	208	42,19	4
IPR004855	83	14,19	212	36,24	4
IPR013069	2718	14,19	2411	12,59	71
IPR026825	71	14,17	197	39,32	5
IPR016278	36	14,17	114	44,88	0
IPR028146	78	14,16	196	35,57	4
IPR025607	117	14,16	231	27,97	5
IPR010678	59	14,15	139	33,33	3

IPR002905	132	14,15	219	23,47	4
IPR002060	761	14,15	456	8,48	12
IPR018464	38	14,13	155	57,62	4
IPR021841	65	14,13	195	42,39	4
IPR007714	79	14,13	19	3,4	0
IPR009462	51	14,13	0	0	0
IPR003084	224	14,12	508	32,03	8
IPR007785	54	14,1	158	41,25	3
IPR003648	33	14,1	16	6,84	0
IPR019189	52	14,09	180	48,78	4
IPR004098	73	14,09	217	41,89	5
IPR027109	63	14,09	186	41,61	4
IPR019452	72	14,09	209	40,9	4
IPR000196	150	14,08	221	20,75	4
IPR007188	84	14,07	206	34,51	4
IPR007594	63	14,06	197	43,97	4
IPR000547	313	14,05	753	33,81	18
IPR025160	58	14,04	180	43,58	4
IPR017390	50	14,04	119	33,43	3
IPR016438	112	14,02	375	46,93	8
IPR007881	50	14,01	132	36,97	0
IPR001079	269	14	32	1,67	0
IPR000104	7	14	5	10	0
IPR007242	48	13,99	151	44,02	4
IPR015459	27	13,99	0	0	0
IPR016295	58	13,98	194	46,75	4
IPR006628	52	13,98	0	0	0
IPR004085	45	13,98	0	0	0
IPR001593	147	13,96	194	18,42	5
IPR011992	7182	13,96	7532	14,65	230
IPR000039	129	13,96	212	22,94	3
IPR026480	42	13,95	187	62,13	4
IPR007196	78	13,95	205	36,67	4
IPR027081	64	13,94	199	43,36	4
IPR010251	40	13,94	0	0	0
IPR011513	56	13,93	191	47,51	4
IPR020472	3605	13,92	8628	33,32	160
IPR025768	71	13,92	175	34,31	3
IPR024224	47	13,91	50	14,79	0
IPR013882	41	13,9	140	47,46	4
IPR010492	56	13,9	176	43,67	4
IPR016654	54	13,88	175	44,99	4
IPR024336	52	13,87	192	51,2	4
IPR016720	56	13,86	169	41,83	2
IPR007587	115	13,86	274	33,01	4
IPR027799	107	13,84	224	28,98	4
IPR020083	65	13,83	58	12,34	0
IPR012976	223	13,82	595	36,86	12
IPR002093	59	13,82	14	3,28	0
IPR007849	37	13,81	193	72,01	4

IPR008011	364	13,81	1127	42,75	26
IPR007304	70	13,81	205	40,43	4
IPR001837	91	13,81	208	31,56	5
IPR019190	41	13,8	191	64,31	4
IPR024604	41	13,8	162	54,55	3
IPR019585	128	13,79	373	40,19	8
IPR000969	75	13,79	195	35,85	4
IPR017916	67	13,79	190	39,09	2
IPR022343	42	13,77	39	12,79	4
IPR001312	321	13,77	882	37,82	19
IPR005755	143	13,76	249	23,97	5
IPR004131	346	13,76	0	0	0
IPR011043	1719	13,74	1318	10,53	53
IPR010491	60	13,73	196	44,85	4
IPR022672	288	13,73	860	41,01	19
IPR025792	52	13,72	178	46,97	4
IPR009688	83	13,72	198	32,73	4
IPR005633	108	13,72	190	24,14	4
IPR019529	46	13,69	178	52,98	3
IPR009361	48	13,68	128	36,47	3
IPR007123	438	13,67	629	19,63	15
IPR020864	245	13,67	60	3,35	0
IPR005713	116	13,66	217	25,56	4
IPR004083	80	13,65	214	36,52	5
IPR012479	49	13,65	135	37,6	3
IPR013846	74	13,65	204	37,64	4
IPR022226	47	13,62	137	39,71	4
IPR002015	138	13,62	380	37,51	8
IPR026113	101	13,61	202	27,22	4
IPR007290	56	13,59	192	46,6	4
IPR022991	103	13,59	185	24,41	4
IPR007052	508	13,59	799	21,38	16
IPR002815	161	13,59	207	17,47	4
IPR014840	66	13,58	193	39,71	4
IPR028119	44	13,58	17	5,25	0
IPR021629	27	13,57	0	0	0
IPR007823	64	13,56	214	45,34	4
IPR006652	1472	13,56	422	3,89	32
IPR007724	60	13,54	27	6,09	0
IPR016635	257	13,53	559	29,42	12
IPR017970	2917	13,52	710	3,29	12
IPR008990	152	13,52	0	0	0
IPR011706	1758	13,51	1967	15,11	90
IPR001947	5	13,51	0	0	0
IPR010750	61	13,5	204	45,13	3
IPR007135	99	13,49	295	40,19	8
IPR013180	51	13,49	149	39,42	4
IPR002171	1557	13,49	411	3,56	8
IPR017071	48	13,48	156	43,82	3
IPR006372	43	13,48	0	0	0



IPR021786	52	13,47	156	40,41	4
IPR016467	162	13,47	294	24,44	4
IPR013932	63	13,46	172	36,75	4
IPR008568	65	13,46	193	39,96	4
IPR020925	88	13,46	205	31,35	4
IPR007854	70	13,46	202	38,85	3
IPR002225	367	13,46	507	18,6	14
IPR004023	73	13,44	149	27,44	4
IPR025799	376	13,44	561	20,05	12
IPR007599	146	13,43	401	36,89	7
IPR027652	111	13,42	260	31,44	5
IPR027235	59	13,41	183	41,59	4
IPR007266	81	13,41	223	36,92	4
IPR001141	96	13,41	216	30,17	4
IPR011771	57	13,41	0	0	0
IPR019167	65	13,4	210	43,3	4
IPR007193	51	13,39	184	48,29	4
IPR013260	60	13,39	182	40,62	4
IPR013870	52	13,37	189	48,59	4
IPR003618	201	13,37	395	26,28	8
IPR013730	35	13,36	69	26,34	0
IPR019148	51	13,35	146	38,22	4
IPR010516	51	13,35	133	34,82	3
IPR005142	207	13,35	447	28,84	8
IPR022192	81	13,34	190	31,3	5
IPR007521	26	13,33	169	86,67	4
IPR022023	60	13,33	196	43,56	4
IPR025761	74	13,33	188	33,87	3
IPR007148	166	13,32	602	48,31	12
IPR003923	59	13,32	210	47,4	4
IPR019547	53	13,32	0	0	0
IPR013633	45	13,31	143	42,31	4
IPR009018	90	13,31	231	34,17	5
IPR018282	103	13,31	203	26,23	4
IPR006876	127	13,3	225	23,56	8
IPR014905	175	13,3	304	23,1	8
IPR025638	81	13,3	122	20,03	3
IPR000231	112	13,29	205	24,32	5
IPR002452	485	13,29	490	13,43	8
IPR000467	650	13,27	1427	29,13	36
IPR019013	46	13,26	149	42,94	5
IPR012984	70	13,26	201	38,07	4
IPR005574	153	13,26	378	32,76	8
IPR011858	60	13,25	189	41,72	5
IPR019330	22	13,25	0	0	0
IPR011710	66	13,23	217	43,49	4
IPR019559	270	13,23	584	28,61	12
IPR012334	4824	13,22	3089	8,47	223
IPR014906	104	13,21	300	38,12	8
IPR013719	149	13,21	545	48,32	11

IPR024954	67	13,21	213	42,01	4
IPR007151	67	13,21	214	42,21	4
IPR002922	65	13,21	157	31,91	2
IPR007274	185	13,2	695	49,57	22
IPR006966	54	13,2	206	50,37	4
IPR008389	59	13,2	124	27,74	3
IPR015972	132	13,2	215	21,5	4
IPR003435	111	13,2	0	0	0
IPR006434	47	13,2	4	1,12	0
IPR009580	48	13,19	174	47,8	4
IPR017063	29	13,18	112	50,91	4
IPR009292	51	13,18	139	35,92	5
IPR020795	56	13,18	198	46,59	4
IPR009332	47	13,17	165	46,22	3
IPR012890	47	13,17	38	10,64	0
IPR023672	44	13,17	1	0,3	0
IPR026171	30	13,16	5	2,19	0
IPR014786	43	13,15	150	45,87	4
IPR012923	48	13,15	169	46,3	4
IPR019411	99	13,15	378	50,2	8
IPR017072	70	13,13	201	37,71	5
IPR004217	249	13,13	712	37,55	16
IPR028009	55	13,13	140	33,41	0
IPR000433	498	13,12	832	21,91	19
IPR027806	803	13,12	302	4,94	1
IPR013037	50	13,12	1	0,26	0
IPR004434	129	13,11	384	39,02	8
IPR007317	57	13,1	202	46,44	5
IPR025742	77	13,1	257	43,71	5
IPR022678	74	13,1	190	33,63	4
IPR000892	99	13,1	226	29,89	4
IPR013189	963	13,1	396	5,39	8
IPR015252	44	13,1	39	11,61	0
IPR008914	1213	13,09	729	7,87	30
IPR008862	104	13,08	325	40,88	8
IPR019775	6011	13,08	13783	30	266
IPR007681	46	13,07	194	55,11	4
IPR013915	60	13,07	199	43,36	4
IPR027106	69	13,07	207	39,2	4
IPR018247	6146	13,07	5990	12,74	208
IPR025483	115	13,07	0	0	0
IPR024388	29	13,06	192	86,49	4
IPR006887	76	13,06	189	32,47	4
IPR000863	770	13,06	11	0,19	0
IPR009668	56	13,05	201	46,85	4
IPR014877	81	13,04	221	35,59	4
IPR025609	93	13,03	196	27,45	4
IPR005345	56	13,02	179	41,63	4
IPR021966	44	13,02	131	38,76	3
IPR000425	2239	13,02	860	5	22

IPR011762	2638	13,02	417	2,06	9
IPR027272	80	13,01	0	0	0
IPR027817	35	13,01	8	2,97	0
IPR007316	59	13	188	41,41	4
IPR005721	144	13	234	21,12	4
IPR007133	61	12,98	205	43,62	4
IPR001392	236	12,98	547	30,09	11
IPR001680	10673	12,98	24137	29,34	467
IPR013238	59	12,97	200	43,96	4
IPR006722	116	12,96	378	42,23	8
IPR013947	50	12,95	176	45,6	4
IPR008968	400	12,95	881	28,53	16
IPR007991	62	12,94	206	43,01	4
IPR000738	107	12,94	40	4,84	0
IPR002618	353	12,93	487	17,83	8
IPR020547	900	12,93	0	0	0
IPR018552	31	12,92	139	57,92	4
IPR012953	54	12,92	165	39,47	5
IPR027132	69	12,92	226	42,32	5
IPR000210	3024	12,92	2870	12,26	87
IPR018937	47	12,91	181	49,73	4
IPR009346	51	12,91	156	39,49	4
IPR011421	51	12,91	175	44,3	4
IPR017106	83	12,91	225	34,99	4
IPR019473	52	12,9	188	46,65	4
IPR018023	36	12,9	73	26,16	0
IPR027794	51	12,88	199	50,25	4
IPR013085	109	12,88	304	35,93	7
IPR000988	180	12,88	451	32,26	8
IPR002687	232	12,86	609	33,76	12
IPR005377	108	12,86	211	25,12	4
IPR018791	93	12,85	332	45,86	8
IPR019012	74	12,85	202	35,07	4
IPR000903	87	12,85	216	31,91	4
IPR024990	67	12,84	205	39,27	6
IPR024789	47	12,84	150	40,98	4
IPR026300	29	12,83	101	44,69	4
IPR015257	59	12,83	208	45,22	4
IPR018074	161	12,83	468	37,29	7
IPR016906	30	12,82	133	56,84	4
IPR013244	45	12,82	197	56,13	4
IPR021181	65	12,82	185	36,49	5
IPR022677	84	12,82	214	32,67	4
IPR010096	821	12,81	87	1,36	1
IPR012916	48	12,8	129	34,4	5
IPR027145	64	12,8	212	42,4	4
IPR022775	528	12,8	1316	31,91	30
IPR027097	61	12,79	206	43,19	4
IPR004859	141	12,79	357	32,4	8
IPR027073	159	12,79	383	30,81	9

IPR027520	29	12,78	109	48,02	4
IPR004598	66	12,77	222	42,94	5
IPR027054	59	12,77	190	41,13	4
IPR008564	75	12,76	159	27,04	4
IPR026003	86	12,76	205	30,42	4
IPR007725	38	12,75	115	38,59	4
IPR004871	190	12,75	607	40,74	15
IPR019194	51	12,75	153	38,25	3
IPR018240	185	12,75	438	30,19	7
IPR023123	1060	12,74	2294	27,58	52
IPR005734	33	12,74	0	0	0
IPR007180	63	12,73	209	42,22	4
IPR015500	2688	12,73	2430	11,51	160
IPR009038	562	12,73	1112	25,18	20
IPR014038	140	12,72	203	18,44	4
IPR027131	68	12,71	229	42,8	5
IPR001199	1008	12,7	3914	49,31	123
IPR007239	55	12,7	167	38,57	4
IPR006921	31	12,7	0	0	0
IPR007149	57	12,69	200	44,54	4
IPR013713	108	12,68	364	42,72	8
IPR012989	103	12,68	212	26,11	4
IPR006539	496	12,67	999	25,52	25
IPR001377	134	12,65	234	22,1	4
IPR013197	46	12,64	167	45,88	4
IPR007134	55	12,64	166	38,16	4
IPR010490	56	12,64	173	39,05	4
IPR004102	102	12,64	129	15,99	4
IPR016615	22	12,64	4	2,3	0
IPR009582	61	12,63	210	43,48	4
IPR028020	52	12,62	113	27,43	4
IPR022676	80	12,62	203	32,02	4
IPR012258	200	12,62	320	20,19	4
IPR008698	44	12,61	151	43,27	4
IPR007173	300	12,61	267	11,22	11
IPR000582	276	12,61	383	17,5	8
IPR016848	32	12,6	144	56,69	4
IPR002359	94	12,6	189	25,34	4
IPR002655	179	12,6	284	19,99	4
IPR015016	50	12,59	152	38,29	4
IPR027137	68	12,59	218	40,37	5
IPR009028	174	12,59	394	28,51	8
IPR015222	56	12,58	209	46,97	4
IPR004953	94	12,58	211	28,25	3
IPR000923	414	12,58	19	0,58	0
IPR001339	88	12,57	216	30,86	4
IPR024766	148	12,56	486	41,26	12
IPR008831	51	12,56	180	44,33	4
IPR011383	30	12,55	158	66,11	3
IPR003162	64	12,55	210	41,18	4

IPR004765	33	12,55	46	17,49	2
IPR004205	51	12,53	193	47,42	4
IPR013970	53	12,53	203	47,99	4
IPR019363	56	12,53	189	42,28	4
IPR003021	59	12,53	197	41,83	4
IPR006649	889	12,53	2733	38,53	57
IPR001047	125	12,53	244	24,45	4
IPR001465	756	12,53	280	4,64	9
IPR015194	74	12,52	249	42,13	4
IPR005141	193	12,52	427	27,69	8
IPR020793	56	12,5	201	44,87	5
IPR025653	57	12,5	209	45,83	5
IPR005043	62	12,5	214	43,15	5
IPR010404	45	12,5	0	0	0
IPR017423	18	12,5	40	27,78	0
IPR015802	237	12,49	403	21,24	18
IPR002088	147	12,49	437	37,13	8
IPR026872	63	12,48	211	41,78	3
IPR014810	55	12,47	196	44,44	4
IPR019581	60	12,47	208	43,24	4
IPR008728	52	12,47	210	50,36	3
IPR000409	225	12,46	192	10,63	4
IPR004001	796	12,46	1381	21,63	10
IPR011987	66	12,45	211	39,81	4
IPR001772	203	12,45	482	29,55	7
IPR013000	91	12,45	200	27,36	3
IPR002791	148	12,45	249	20,94	4
IPR026584	51	12,44	137	33,41	4
IPR016189	169	12,44	441	32,47	8
IPR013148	1001	12,44	470	5,84	9
IPR012973	63	12,43	212	41,81	4
IPR003511	166	12,43	534	39,97	8
IPR003890	372	12,43	882	29,48	16
IPR015418	56	12,42	194	43,02	4
IPR023441	171	12,42	444	32,24	8
IPR001362	947	12,42	407	5,34	8
IPR021149	103	12,41	246	29,64	4
IPR002495	1516	12,41	667	5,46	17
IPR006845	143	12,4	566	49,09	12
IPR002735	170	12,4	442	32,24	8
IPR023366	2542	12,4	417	2,03	8
IPR005704	1228	12,4	0	0	0
IPR027514	29	12,39	109	46,58	4
IPR019605	43	12,39	167	48,13	4
IPR015362	39	12,38	134	42,54	4
IPR007005	52	12,38	148	35,24	4
IPR018972	53	12,38	190	44,39	4
IPR012972	93	12,38	292	38,88	4
IPR007053	166	12,38	1	0,07	0
IPR006678	50	12,38	24	5,94	0

IPR012920	53	12,35	185	43,12	4
IPR017986	11116	12,35	26700	29,67	510
IPR011556	86	12,34	0	0	0
IPR002714	19	12,34	0	0	0
IPR018450	45	12,33	182	49,86	4
IPR014751	46	12,33	144	38,61	4
IPR009447	53	12,33	202	46,98	4
IPR008814	54	12,33	188	42,92	4
IPR006384	127	12,33	266	25,83	8
IPR015063	65	12,33	145	27,51	3
IPR016267	137	12,33	262	23,58	4
IPR008374	9	12,33	0	0	0
IPR021384	44	12,32	169	47,34	4
IPR019007	44	12,32	142	39,78	4
IPR008591	50	12,32	190	46,8	4
IPR014848	50	12,32	195	48,03	4
IPR007205	50	12,32	198	48,77	4
IPR014898	51	12,32	163	39,37	4
IPR007836	17	12,32	38	27,54	1
IPR006751	65	12,31	213	40,34	4
IPR019371	38	12,3	131	42,39	4
IPR013922	235	12,3	1203	62,95	24
IPR016696	55	12,3	191	42,73	5
IPR006955	37	12,29	138	45,85	4
IPR012955	43	12,29	189	54	4
IPR024960	44	12,29	194	54,19	4
IPR008570	52	12,29	186	43,97	4
IPR013881	59	12,29	205	42,71	4
IPR004353	66	12,29	188	35,01	4
IPR027157	59	12,29	208	43,33	3
IPR005140	187	12,29	439	28,86	8
IPR002794	108	12,29	145	16,5	4
IPR018492	247	12,28	567	28,18	8
IPR022100	40	12,27	139	42,64	4
IPR006806	47	12,27	166	43,34	4
IPR001494	580	12,27	1873	39,62	42
IPR013744	39	12,26	223	70,13	5
IPR024557	64	12,26	211	40,42	4
IPR013040	71	12,26	213	36,79	4
IPR022309	188	12,26	439	28,62	8
IPR000269	290	12,25	682	28,81	37
IPR019441	49	12,25	229	57,25	4
IPR026532	67	12,25	244	44,61	4
IPR006818	73	12,25	204	34,23	4
IPR012719	75	12,25	225	36,76	4
IPR021827	62	12,25	211	41,7	3
IPR000804	134	12,25	136	12,43	0
IPR018612	47	12,24	155	40,36	4
IPR016024	13737	12,24	24530	21,87	537
IPR019447	56	12,23	200	43,67	5

IPR015415	189	12,23	402	26	7
IPR013892	82	12,22	312	46,5	8
IPR016812	50	12,22	183	44,74	4
IPR008290	48	12,21	192	48,85	4
IPR005937	401	12,21	1262	38,42	23
IPR010756	41	12,2	127	37,8	4
IPR005707	143	12,2	165	14,08	4
IPR006032	1358	12,2	424	3,81	9
IPR026008	272	12,2	0	0	0
IPR002403	853	12,19	3763	53,8	232
IPR007023	59	12,19	215	44,42	4
IPR019582	59	12,19	205	42,36	4
IPR003604	426	12,19	683	19,54	18
IPR015798	289	12,18	682	28,74	35
IPR000426	472	12,18	1342	34,64	27
IPR016158	339	12,18	893	32,09	16
IPR024926	51	12,17	192	45,82	4
IPR024602	51	12,17	197	47,02	3
IPR002652	156	12,17	222	17,32	5
IPR015873	130	12,16	396	37,04	8
IPR016190	159	12,16	422	32,26	8
IPR012173	39	12,15	165	51,4	4
IPR019136	59	12,14	212	43,62	4
IPR004226	61	12,13	198	39,36	4
IPR002809	116	12,13	192	20,08	4
IPR000915	123	12,13	224	22,09	4
IPR011531	219	12,12	287	15,88	8
IPR022669	1369	12,12	409	3,62	8
IPR003191	127	12,12	6	0,57	0
IPR001578	191	12,1	619	39,23	19
IPR027104	61	12,1	207	41,07	4
IPR027517	43	12,08	170	47,75	4
IPR022313	550	12,08	103	2,26	4
IPR012617	49	12,07	189	46,55	5
IPR027003	73	12,07	182	30,08	4
IPR012720	77	12,07	219	34,33	4
IPR027328	102	12,07	220	26,04	4
IPR006958	58	12,06	211	43,87	5
IPR023273	54	12,05	197	43,97	4
IPR006693	203	12,05	387	22,98	9
IPR008949	3714	12,05	2224	7,22	78
IPR012606	101	12,04	210	25,03	4
IPR026957	43	12,04	0	0	0
IPR027312	59	12,02	206	41,96	4
IPR017132	40	12,01	143	42,94	4
IPR005339	49	12,01	186	45,59	4
IPR023591	1358	12,01	362	3,2	8
IPR025602	57	12	186	39,16	4
IPR002483	162	11,99	488	36,12	12
IPR013843	117	11,99	218	22,34	4

IPR015877	52	11,98	215	49,54	4
IPR008672	52	11,98	204	47	4
IPR021298	26	11,98	1	0,46	0
IPR009914	37	11,97	155	50,16	4
IPR011076	756	11,97	280	4,43	9
IPR007259	255	11,96	858	40,24	20
IPR012879	53	11,96	201	45,37	4
IPR014726	1318	11,96	405	3,68	8
IPR022716	41	11,95	193	56,27	4
IPR001976	125	11,95	208	19,89	4
IPR009413	19	11,95	74	46,54	0
IPR019185	53	11,94	190	42,79	4
IPR013598	231	11,93	750	38,72	22
IPR013233	42	11,93	169	48,01	4
IPR023332	554	11,93	1540	33,16	28
IPR022357	1701	11,93	336	2,36	4
IPR013261	46	11,92	185	47,93	4
IPR007019	49	11,92	191	46,47	4
IPR025809	51	11,92	184	42,99	4
IPR005013	54	11,92	197	43,49	4
IPR007144	56	11,91	205	43,62	4
IPR008901	94	11,9	318	40,25	9
IPR007080	2133	11,9	4437	24,75	43
IPR007206	46	11,89	192	49,61	4
IPR008895	49	11,89	184	44,66	4
IPR023362	153	11,89	181	14,06	4
IPR019461	48	11,88	161	39,85	4
IPR005314	55	11,88	216	46,65	4
IPR000690	204	11,88	476	27,72	12
IPR027482	308	11,88	839	32,36	16
IPR002164	248	11,88	455	21,79	8
IPR007150	54	11,87	198	43,52	4
IPR004907	71	11,87	226	37,79	4
IPR005703	101	11,87	218	25,62	4
IPR017789	42	11,86	184	51,98	4
IPR010729	49	11,86	170	41,16	4
IPR007718	51	11,86	195	45,35	4
IPR001104	359	11,86	645	21,31	21
IPR001619	344	11,86	861	29,69	16
IPR027503	39	11,85	166	50,46	4
IPR021718	57	11,85	215	44,7	4
IPR007946	47	11,84	167	42,07	5
IPR013699	49	11,84	184	44,44	4
IPR008409	49	11,84	157	37,92	4
IPR015320	36	11,84	0	0	0
IPR004179	228	11,83	811	42,06	18
IPR009287	37	11,82	147	46,96	4
IPR006746	61	11,82	199	38,57	4
IPR009653	48	11,82	130	32,02	2
IPR007651	83	11,82	202	28,77	3



IPR001865	1325	11,81	360	3,21	8
IPR006708	55	11,8	214	45,92	4
IPR019098	31	11,79	161	61,22	5
IPR021869	94	11,79	0	0	0
IPR013219	45	11,78	185	48,43	4
IPR004037	178	11,78	554	36,66	12
IPR014813	51	11,78	191	44,11	3
IPR018083	113	11,77	556	57,92	20
IPR024790	44	11,76	183	48,93	4
IPR026971	83	11,76	219	31,02	5
IPR001000	371	11,75	474	15,01	34
IPR017375	45	11,75	186	48,56	4
IPR014041	49	11,75	185	44,36	4
IPR003307	197	11,75	423	25,24	7
IPR023079	66	11,74	40	7,12	3
IPR024638	23	11,73	172	87,76	4
IPR019481	40	11,73	161	47,21	3
IPR010770	48	11,71	183	44,63	4
IPR013169	44	11,7	154	40,96	4
IPR015172	46	11,7	200	50,89	4
IPR011323	113	11,7	278	28,78	4
IPR009851	73	11,7	175	28,04	2
IPR007642	1693	11,7	996	6,89	12
IPR024679	49	11,69	179	42,72	4
IPR021133	712	11,69	1831	30,06	39
IPR025527	59	11,68	279	55,25	8
IPR020164	39	11,68	172	51,5	4
IPR021013	46	11,68	188	47,72	4
IPR022030	55	11,68	205	43,52	4
IPR007241	62	11,68	179	33,71	4
IPR010513	69	11,68	204	34,52	4
IPR028333	84	11,67	177	24,58	4
IPR028005	51	11,67	153	35,01	2
IPR011502	50	11,66	187	43,59	3
IPR027040	86	11,64	302	40,87	8
IPR008689	61	11,64	197	37,6	4
IPR003606	34	11,64	0	0	0
IPR011687	55	11,63	202	42,71	6
IPR014929	45	11,63	161	41,6	4
IPR012977	47	11,63	191	47,28	4
IPR007720	50	11,63	192	44,65	4
IPR002769	87	11,63	211	28,21	5
IPR025763	46	11,62	179	45,2	3
IPR001569	104	11,62	269	30,06	4
IPR001487	977	11,62	1889	22,46	33
IPR016157	136	11,62	240	20,51	4
IPR021910	38	11,62	0	0	0
IPR019369	52	11,61	132	29,46	4
IPR018618	54	11,61	287	61,72	4
IPR007207	60	11,61	250	48,36	4

IPR026730	58	11,6	265	53	3
IPR001210	105	11,6	220	24,31	4
IPR012270	46	11,59	206	51,89	3
IPR021935	32	11,59	49	17,75	2
IPR000156	198	11,58	594	34,74	12
IPR017091	52	11,58	173	38,53	3
IPR025926	42	11,57	176	48,48	5
IPR021151	167	11,57	681	47,19	16
IPR013961	50	11,57	210	48,61	4
IPR008048	53	11,57	214	46,72	4
IPR000684	64	11,57	222	40,14	3
IPR024774	52	11,56	290	64,44	8
IPR027193	49	11,56	201	47,41	5
IPR011430	43	11,56	188	50,54	4
IPR017137	43	11,56	158	42,47	4
IPR024974	43	11,56	157	42,2	4
IPR026854	178	11,56	224	14,55	4
IPR015496	126	11,55	260	23,83	6
IPR001394	1384	11,55	3276	27,33	62
IPR023029	82	11,55	174	24,51	3
IPR003020	224	11,55	290	14,96	8
IPR000403	717	11,54	1586	25,54	32
IPR012886	84	11,54	0	0	0
IPR019519	37	11,53	180	56,07	4
IPR018793	40	11,53	174	50,14	4
IPR018273	78	11,52	197	29,1	4
IPR008493	48	11,51	194	46,52	4
IPR016555	48	11,51	196	47	4
IPR000648	382	11,51	1078	32,47	26
IPR014893	43	11,5	137	36,63	4
IPR013924	43	11,5	167	44,65	4
IPR016534	56	11,5	203	41,68	4
IPR002864	346	11,5	3	0,1	0
IPR005706	1163	11,49	195	1,93	4
IPR025487	37	11,49	0	0	0
IPR014371	123	11,48	402	37,54	13
IPR019465	52	11,48	210	46,36	4
IPR024461	82	11,47	393	54,97	7
IPR012476	47	11,46	205	50	4
IPR010613	51	11,46	185	41,57	4
IPR005100	88	11,46	203	26,43	4
IPR019417	26	11,45	195	85,9	5
IPR023280	143	11,45	419	33,55	7
IPR011494	47	11,44	217	52,8	4
IPR009072	3613	11,44	5922	18,75	229
IPR019572	194	11,44	623	36,73	11
IPR004790	453	11,44	293	7,4	4
IPR022707	44	11,43	196	50,91	5
IPR007233	100	11,43	379	43,31	8
IPR016046	51	11,43	191	42,83	4

IPR007194	170	11,43	608	40,89	13
IPR016068	77	11,42	290	43,03	8
IPR022043	49	11,42	213	49,65	4
IPR000812	281	11,42	469	19,07	8
IPR019354	25	11,42	2	0,91	0
IPR007955	55	11,41	207	42,95	4
IPR015195	71	11,41	251	40,35	4
IPR022384	84	11,41	0	0	0
IPR012580	92	11,4	394	48,82	9
IPR019156	44	11,4	184	47,67	4
IPR006289	53	11,4	168	36,13	4
IPR021183	75	11,4	210	31,91	4
IPR007246	51	11,38	199	44,42	4
IPR010733	39	11,37	151	44,02	8
IPR008506	49	11,37	195	45,24	4
IPR026895	53	11,37	203	43,56	4
IPR006155	82	11,36	33	4,57	0
IPR016721	57	11,35	207	41,24	4
IPR009771	47	11,35	190	45,89	3
IPR011211	37	11,35	177	54,29	2
IPR016049	57	11,33	220	43,74	4
IPR002553	554	11,33	1668	34,11	34
IPR022755	313	11,32	933	33,74	29
IPR012715	71	11,32	223	35,57	5
IPR015434	60	11,32	265	50	4
IPR010014	48	11,32	200	47,17	3
IPR002541	1988	11,32	0	0	0
IPR015359	198	11,32	97	5,55	0
IPR008429	71	11,31	146	23,25	4
IPR007281	59	11,3	215	41,19	5
IPR007286	98	11,3	388	44,75	8
IPR026028	106	11,3	251	26,76	4
IPR018800	41	11,29	150	41,32	4
IPR012717	49	11,29	186	42,86	4
IPR007704	49	11,29	187	43,09	4
IPR018205	152	11,29	393	29,2	10
IPR007949	52	11,28	202	43,82	4
IPR002773	145	11,28	239	18,58	5
IPR017398	15	11,28	29	21,8	0
IPR007222	48	11,27	176	41,31	5
IPR028077	41	11,26	133	36,54	4
IPR016653	43	11,26	172	45,03	4
IPR010776	41	11,26	134	36,81	0
IPR019510	63	11,25	127	22,68	7
IPR007192	45	11,25	195	48,75	4
IPR020609	73	11,25	179	27,58	4
IPR009445	50	11,24	197	44,27	4
IPR013930	39	11,24	178	51,3	3
IPR002454	69	11,24	270	43,97	4
IPR012919	165	11,24	441	30,04	8

IPR007234	54	11,23	198	41,16	5
IPR015408	43	11,23	185	48,3	4
IPR024326	51	11,23	203	44,71	4
IPR018960	52	11,23	0	0	0
IPR006767	81	11,22	331	45,84	8
IPR013714	44	11,22	162	41,33	4
IPR026951	47	11,22	151	36,04	4
IPR022666	1224	11,22	388	3,56	8
IPR027921	22	11,22	91	46,43	0
IPR012721	61	11,21	207	38,05	4
IPR021757	42	11,2	192	51,2	4
IPR026183	58	11,2	121	23,36	5
IPR007832	57	11,2	221	43,42	4
IPR026937	71	11,2	0	0	0
IPR016657	61	11,19	225	41,28	4
IPR010400	97	11,18	377	43,43	9
IPR001921	115	11,18	273	26,53	4
IPR020708	68	11,17	185	30,38	4
IPR004483	26	11,16	57	24,46	0
IPR018838	33	11,15	164	55,41	4
IPR026849	57	11,15	174	34,05	5
IPR025313	190	11,15	684	40,14	15
IPR018200	1067	11,15	2468	25,79	45
IPR012423	39	11,14	180	51,43	4
IPR012954	42	11,14	170	45,09	4
IPR007872	84	11,14	350	46,42	7
IPR007722	48	11,14	195	45,24	4
IPR005576	164	11,13	550	37,31	11
IPR007781	78	11,13	44	6,28	0
IPR007109	298	11,12	1081	40,35	21
IPR009453	21	11,11	148	78,31	5
IPR016689	29	11,11	117	44,83	4
IPR022209	43	11,11	172	44,44	5
IPR016656	36	11,11	173	53,4	4
IPR027155	37	11,11	177	53,15	4
IPR019460	42	11,11	176	46,56	4
IPR014807	50	11,11	191	42,44	4
IPR010339	122	11,11	418	38,07	9
IPR026874	54	11,11	194	39,92	4
IPR004728	55	11,11	211	42,63	4
IPR020052	64	11,11	117	20,31	4
IPR005002	104	11,11	232	24,79	4
IPR027734	21	11,11	16	8,47	0
IPR009367	70	11,09	2	0,32	0
IPR025941	46	11,08	194	46,75	6
IPR011666	38	11,08	142	41,4	4
IPR012880	41	11,08	152	41,08	4
IPR024324	44	11,08	206	51,89	4
IPR008978	2486	11,08	1468	6,54	25
IPR012887	45	11,08	0	0	0

IPR001515	132	11,07	216	18,12	4
IPR007143	50	11,06	200	44,25	4
IPR009772	53	11,06	194	40,5	4
IPR001711	288	11,06	494	18,98	21
IPR016722	38	11,05	190	55,23	4
IPR027684	40	11,05	147	40,61	4
IPR010378	43	11,05	139	35,73	4
IPR024763	36	11,04	169	51,84	4
IPR019974	145	11,04	522	39,76	13
IPR008010	50	11,04	198	43,71	4
IPR000127	192	11,04	628	36,11	11
IPR017061	30	11,03	123	45,22	5
IPR021726	45	11,03	188	46,08	4
IPR005729	91	11,03	201	24,36	4
IPR002833	153	11,03	241	17,38	4
IPR016182	244	11,02	655	29,58	35
IPR012718	52	11,02	200	42,37	4
IPR007122	243	11,02	162	7,35	8
IPR021861	47	11,01	182	42,62	5
IPR017899	47	11,01	198	46,37	4
IPR013934	49	11,01	193	43,37	4
IPR027238	121	11,01	417	37,94	9
IPR003210	45	11	181	44,25	4
IPR007919	57	11	205	39,58	4
IPR019035	40	10,99	171	46,98	4
IPR012592	62	10,99	210	37,23	4
IPR007708	48	10,98	201	46	4
IPR007905	62	10,97	298	52,74	12
IPR018908	34	10,97	97	31,29	4
IPR006084	262	10,97	989	41,4	21
IPR011082	43	10,97	183	46,68	3
IPR000022	2216	10,97	442	2,19	10
IPR022041	34	10,97	0	0	0
IPR016050	410	10,95	1251	33,42	20
IPR001932	3421	10,95	1661	5,32	34
IPR015404	150	10,94	581	42,38	15
IPR001235	73	10,94	0	0	0
IPR015800	210	10,93	476	24,78	26
IPR026258	33	10,93	138	45,7	4
IPR024193	53	10,93	222	45,77	4
IPR019331	39	10,92	145	40,62	4
IPR011331	191	10,92	471	26,93	7
IPR025605	200	10,92	32	1,75	1
IPR013831	4130	10,91	1816	4,8	104
IPR016443	46	10,9	197	46,68	4
IPR008883	68	10,9	192	30,77	2
IPR025654	43	10,89	188	47,59	4
IPR027075	49	10,89	186	41,33	4
IPR013641	59	10,89	203	37,45	4
IPR026082	299	10,88	196	7,13	13

IPR016439	106	10,87	417	42,77	16
IPR004621	60	10,87	375	67,93	7
IPR004600	50	10,87	203	44,13	5
IPR016691	40	10,87	187	50,82	3
IPR019540	50	10,85	214	46,42	4
IPR020813	59	10,85	103	18,93	0
IPR025257	42	10,85	1	0,26	0
IPR026270	54	10,84	200	40,16	4
IPR007268	54	10,84	189	37,95	4
IPR023828	1814	10,84	2172	12,98	121
IPR024598	52	10,83	203	42,29	4
IPR000011	125	10,83	351	30,42	8
IPR007146	125	10,82	558	48,31	12
IPR009604	58	10,82	207	38,62	4
IPR027159	48	10,81	201	45,27	4
IPR016651	42	10,8	152	39,07	4
IPR016558	54	10,8	213	42,6	4
IPR021418	57	10,8	192	36,36	4
IPR001349	58	10,8	211	39,29	3
IPR003830	38	10,8	56	15,91	1
IPR006735	49	10,79	177	38,99	4
IPR005679	1092	10,79	207	2,04	4
IPR016069	77	10,78	295	41,32	8
IPR024166	56	10,77	216	41,54	4
IPR003164	51	10,76	163	34,39	4
IPR010357	36	10,75	90	26,87	8
IPR019258	40	10,75	177	47,58	5
IPR011442	56	10,75	212	40,69	4
IPR018499	571	10,75	164	3,09	5
IPR009737	91	10,74	395	46,64	8
IPR007276	48	10,74	197	44,07	4
IPR023231	64	10,74	187	31,38	4
IPR001607	327	10,74	739	24,27	16
IPR021157	86	10,74	200	24,97	4
IPR000552	100	10,74	194	20,84	4
IPR024420	53	10,73	193	39,07	4
IPR007537	64	10,72	204	34,17	6
IPR017898	46	10,72	200	46,62	4
IPR027523	30	10,71	135	48,21	4
IPR018130	1135	10,71	312	2,94	9
IPR016668	9	10,71	0	0	0
IPR005599	173	10,7	739	45,7	17
IPR013979	145	10,7	441	32,55	8
IPR005304	65	10,69	225	37,01	4
IPR002985	361	10,69	0	0	0
IPR007287	50	10,68	206	44,02	4
IPR007187	89	10,66	410	49,1	8
IPR002068	1901	10,66	626	3,51	9
IPR012459	46	10,65	193	44,68	4
IPR025762	87	10,65	352	43,08	7

IPR018607	38	10,64	189	52,94	4
IPR004405	78	10,64	243	33,15	4
IPR018255	114	10,64	223	20,82	4
IPR019561	98	10,64	247	26,82	3
IPR007015	48	10,62	206	45,58	5
IPR010795	41	10,62	151	39,12	4
IPR015174	43	10,62	208	51,36	4
IPR000306	584	10,62	939	17,08	18
IPR006565	98	10,61	456	49,35	12
IPR028258	49	10,61	192	41,56	4
IPR003299	7	10,61	5	7,58	0
IPR006984	122	10,6	418	36,32	9
IPR021132	55	10,6	144	27,75	3
IPR018338	203	10,6	50	2,61	7
IPR007667	152	10,59	385	26,83	8
IPR018143	57	10,59	0	0	0
IPR013929	40	10,58	191	50,53	4
IPR012929	37	10,57	164	46,86	4
IPR014908	85	10,57	407	50,62	8
IPR005772	52	10,57	193	39,23	4
IPR017919	65	10,57	198	32,2	4
IPR007252	49	10,56	217	46,77	5
IPR011678	47	10,56	199	44,72	4
IPR007504	98	10,56	395	42,56	8
IPR023407	106	10,56	215	21,41	3
IPR017117	27	10,55	141	55,08	4
IPR019496	40	10,55	188	49,6	4
IPR018609	46	10,55	189	43,35	4
IPR015659	90	10,54	334	39,11	17
IPR017907	3096	10,54	3716	12,65	108
IPR002674	91	10,54	202	23,41	3
IPR010218	616	10,54	169	2,89	4
IPR001171	133	10,53	680	53,84	21
IPR021154	50	10,53	232	48,84	5
IPR012501	44	10,53	183	43,78	4
IPR002673	68	10,53	177	27,4	4
IPR000077	73	10,53	150	21,65	3
IPR013627	39	10,51	207	55,8	4
IPR006545	41	10,51	0	0	0
IPR006768	80	10,5	343	45,01	8
IPR021846	42	10,5	180	45	4
IPR012590	44	10,5	201	47,97	4
IPR019049	41	10,49	206	52,69	4
IPR024986	45	10,49	191	44,52	4
IPR009039	60	10,49	4	0,7	0
IPR007900	56	10,49	190	35,58	0
IPR002777	228	10,48	755	34,71	17
IPR006709	60	10,47	216	37,7	4
IPR024644	47	10,47	0	0	0
IPR001951	207	10,46	393	19,86	25

IPR012591	59	10,46	209	37,06	5
IPR012716	57	10,46	208	38,17	4
IPR013020	114	10,46	371	34,04	7
IPR023626	73	10,46	151	21,63	3
IPR002004	220	10,46	210	9,98	4
IPR013272	82	10,45	428	54,52	7
IPR019313	38	10,44	178	48,9	4
IPR019191	108	10,44	327	31,62	8
IPR019458	64	10,44	200	32,63	4
IPR009723	46	10,43	212	48,07	4
IPR006324	84	10,43	0	0	0
IPR021625	47	10,42	150	33,26	4
IPR015267	41	10,41	177	44,92	3
IPR007857	50	10,4	194	40,33	5
IPR000692	98	10,4	322	34,18	9
IPR000209	2495	10,4	3311	13,8	207
IPR012971	52	10,4	213	42,6	4
IPR001192	281	10,4	488	18,05	20
IPR004127	172	10,4	446	26,96	8
IPR004313	163	10,4	183	11,67	5
IPR027032	60	10,4	2	0,35	0
IPR004584	59	10,39	213	37,5	5
IPR019339	74	10,38	246	34,5	9
IPR019407	33	10,38	167	52,52	4
IPR000789	66	10,38	205	32,23	5
IPR023333	535	10,38	1528	29,65	28
IPR001266	104	10,38	227	22,65	4
IPR015519	40	10,36	182	47,15	5
IPR016621	47	10,35	0	0	0
IPR013136	49	10,34	195	41,14	3
IPR013034	82	10,34	198	24,97	4
IPR022233	38	10,33	190	51,63	4
IPR027165	50	10,33	223	46,07	4
IPR011941	56	10,33	231	42,62	4
IPR005938	111	10,33	194	18,05	3
IPR012952	50	10,31	214	44,12	3
IPR000592	105	10,31	215	21,12	3
IPR022577	41	10,3	144	36,18	4
IPR007257	44	10,3	195	45,67	4
IPR007174	45	10,3	189	43,25	2
IPR023393	3378	10,3	925	2,82	21
IPR026111	24	10,3	0	0	0
IPR017340	39	10,29	166	43,8	4
IPR010304	53	10,29	95	18,45	3
IPR013150	245	10,29	457	19,19	8
IPR006809	47	10,28	216	47,26	4
IPR026973	62	10,28	251	41,63	5
IPR015679	608	10,28	481	8,13	14
IPR019393	22	10,28	0	0	0
IPR014012	129	10,27	561	44,67	11



IPR018525	302	10,27	1277	43,41	25
IPR016727	68	10,27	216	32,63	4
IPR013877	39	10,26	210	55,26	4
IPR013234	48	10,26	208	44,44	4
IPR018259	94	10,26	222	24,24	4
IPR008610	49	10,25	199	41,63	4
IPR001044	49	10,25	207	43,31	4
IPR002355	994	10,25	1626	16,77	58
IPR018045	383	10,25	289	7,73	11
IPR022238	47	10,24	203	44,23	5
IPR019002	42	10,24	172	41,95	4
IPR012164	141	10,24	478	34,71	8
IPR002893	620	10,23	1617	26,68	32
IPR019050	79	10,22	333	43,08	7
IPR020838	52	10,22	193	37,92	4
IPR008336	83	10,21	203	24,97	4
IPR003960	2653	10,21	4348	16,73	86
IPR003603	195	10,21	199	10,42	4
IPR005880	1022	10,21	201	2,01	4
IPR001117	1687	10,2	2018	12,2	88
IPR017380	44	10,19	186	43,06	4
IPR024929	55	10,19	225	41,67	4
IPR010684	42	10,17	177	42,86	4
IPR016655	49	10,17	201	41,7	4
IPR008047	53	10,17	213	40,88	4
IPR013030	82	10,17	203	25,19	4
IPR024977	36	10,17	113	31,92	0
IPR025939	12	10,17	0	0	0
IPR020796	44	10,16	207	47,81	5
IPR007265	45	10,16	201	45,37	4
IPR019024	45	10,16	197	44,47	4
IPR000953	806	10,16	2595	32,7	57
IPR023391	71	10,16	192	27,47	4
IPR007204	48	10,15	198	41,86	5
IPR024864	45	10,14	200	45,05	3
IPR026982	14	10,14	2	1,45	0
IPR007873	47	10,13	188	40,52	4
IPR013684	181	10,13	332	18,59	11
IPR001469	993	10,13	196	2	4
IPR018849	33	10,12	183	56,13	4
IPR025845	58	10,12	196	34,21	5
IPR003892	252	10,12	1136	45,64	21
IPR024054	77	10,12	227	29,83	4
IPR001675	259	10,12	0	0	0
IPR005554	46	10,11	208	45,71	5
IPR019542	137	10,11	382	28,19	8
IPR019453	82	10,1	352	43,35	8
IPR025697	50	10,1	151	30,51	4
IPR015256	81	10,1	216	26,93	4
IPR007648	44	10,09	203	46,56	4

IPR008158	67	10,09	184	27,71	4
IPR000163	200	10,09	417	21,04	8
IPR019337	38	10,08	198	52,52	4
IPR003874	49	10,08	203	41,77	4
IPR023318	49	10,08	207	42,59	4
IPR007956	49	10,08	5	1,03	0
IPR007810	43	10,07	205	48,01	4
IPR019438	43	10,07	158	37	4
IPR015894	134	10,06	9	0,68	0
IPR019128	41	10,05	187	45,83	5
IPR022125	38	10,05	170	44,97	4
IPR011107	41	10,05	175	42,89	4
IPR019183	42	10,05	196	46,89	4
IPR006551	42	10,05	179	42,82	4
IPR020789	57	10,05	164	28,92	3
IPR005647	38	10,05	157	41,53	0
IPR007255	46	10,04	192	41,92	4
IPR019495	48	10,04	201	42,05	3
IPR005160	89	10,03	383	43,18	9
IPR007081	1373	10,03	1389	10,15	12
IPR012722	63	10	218	34,6	5
IPR007715	58	10	143	24,66	4
IPR005680	79	10	202	25,57	3
IPR000727	1129	10	2201	19,49	41
IPR007941	79	9,99	384	48,55	13
IPR010591	41	9,98	194	47,2	4
IPR018983	44	9,98	202	45,8	4
IPR005519	388	9,98	1	0,03	0
IPR012901	60	9,97	324	53,82	9
IPR001197	113	9,97	222	19,59	4
IPR017865	45	9,96	145	32,08	4
IPR027179	25	9,96	137	54,58	2
IPR020829	2600	9,96	1444	5,53	6
IPR002848	84	9,95	309	36,61	10
IPR011236	59	9,95	202	34,06	4
IPR016314	36	9,94	150	41,44	4
IPR007717	48	9,94	194	40,17	4
IPR009450	42	9,93	195	46,1	5
IPR019467	41	9,93	176	42,62	4
IPR006285	47	9,92	186	39,24	4
IPR012170	49	9,92	215	43,52	4
IPR013209	101	9,92	213	20,92	4
IPR020546	998	9,92	195	1,94	4
IPR009215	62	9,92	71	11,36	0
IPR021950	42	9,91	192	45,28	4
IPR008384	46	9,91	196	42,24	4
IPR006926	45	9,91	200	44,05	3
IPR004689	121	9,89	497	40,64	20
IPR007185	154	9,88	626	40,15	12
IPR000945	49	9,88	2	0,4	0

IPR010326	76	9,87	220	28,57	4
IPR004340	39	9,87	1	0,25	0
IPR003151	167	9,86	675	39,85	18
IPR005612	127	9,86	604	46,89	12
IPR003663	2018	9,84	8163	39,79	466
IPR005813	945	9,84	0	0	0
IPR024435	29	9,83	186	63,05	4
IPR025481	48	9,82	208	42,54	4
IPR006591	54	9,82	177	32,18	4
IPR004493	60	9,82	193	31,59	4
IPR002343	102	9,82	10	0,96	0
IPR008046	46	9,81	208	44,35	5
IPR024626	42	9,81	195	45,56	4
IPR017852	42	9,81	181	42,29	3
IPR001902	437	9,81	356	7,99	16
IPR003172	133	9,81	214	15,78	4
IPR006571	234	9,81	314	13,16	6
IPR026851	44	9,8	213	47,44	5
IPR009360	44	9,8	183	40,76	4
IPR017455	591	9,79	907	15,03	18
IPR011707	1586	9,78	3342	20,6	87
IPR006844	58	9,76	246	41,41	4
IPR010226	568	9,76	162	2,78	4
IPR008193	87	9,75	335	37,56	8
IPR003152	193	9,75	767	38,74	17
IPR022671	953	9,75	317	3,24	4
IPR024956	58	9,73	195	32,72	5
IPR024733	66	9,72	44	6,48	0
IPR013697	43	9,68	192	43,24	4
IPR014881	45	9,68	210	45,16	4
IPR022591	46	9,68	217	45,68	4
IPR024055	72	9,68	224	30,11	4
IPR001806	2993	9,68	5625	18,2	111
IPR003903	445	9,66	1496	32,46	46
IPR005373	48	9,66	158	31,79	4
IPR018104	72	9,66	152	20,4	0
IPR016661	43	9,64	192	43,05	5
IPR007220	43	9,64	212	47,53	4
IPR006554	89	9,64	364	39,44	7
IPR026699	103	9,64	427	39,94	8
IPR004579	42	9,63	212	48,62	4
IPR019368	44	9,63	187	40,92	4
IPR016817	55	9,63	169	29,6	4
IPR011488	73	9,63	224	29,55	4
IPR017178	55	9,62	0	0	0
IPR007319	43	9,6	202	45,09	4
IPR010635	31	9,6	0	0	0
IPR022031	28	9,59	151	51,71	4
IPR019103	52	9,59	172	31,73	4
IPR013038	56	9,59	195	33,39	4

IPR004457	63	9,59	221	33,64	4
IPR020798	895	9,59	198	2,12	4
IPR027307	21	9,59	0	0	0
IPR019038	39	9,58	178	43,73	4
IPR019349	38	9,57	198	49,87	4
IPR013021	159	9,57	201	12,09	4
IPR020831	2649	9,57	2242	8,1	6
IPR021610	9	9,57	0	0	0
IPR025712	43	9,56	204	45,33	3
IPR024111	58	9,56	245	40,36	4
IPR019186	38	9,55	196	49,25	4
IPR004823	49	9,55	215	41,91	5
IPR007673	30	9,55	182	57,96	2
IPR018053	436	9,55	162	3,55	4
IPR000054	111	9,54	218	18,73	4
IPR004870	49	9,53	222	43,19	4
IPR021852	63	9,53	0	0	0
IPR008152	176	9,52	561	30,36	12
IPR007066	1446	9,52	1690	11,13	13
IPR001988	6	9,52	0	0	0
IPR024525	2	9,52	0	0	0
IPR003578	412	9,51	1383	31,92	26
IPR006085	212	9,5	944	42,29	19
IPR027502	34	9,5	154	43,02	2
IPR017975	1003	9,5	3783	35,83	52
IPR001124	78	9,5	0	0	0
IPR004856	80	9,49	370	43,89	7
IPR009674	40	9,48	192	45,5	4
IPR018521	84	9,48	114	12,87	0
IPR024095	41	9,47	194	44,8	4
IPR011184	30	9,46	174	54,89	4
IPR007741	103	9,45	506	46,42	13
IPR025770	41	9,45	199	45,85	4
IPR004948	42	9,44	0	0	0
IPR004595	34	9,42	163	45,15	4
IPR000289	77	9,42	205	25,09	4
IPR005717	875	9,42	1	0,01	0
IPR007788	65	9,42	0	0	0
IPR023621	109	9,41	217	18,74	4
IPR001014	532	9,41	88	1,56	0
IPR016492	60	9,4	205	32,13	4
IPR004530	31	9,39	195	59,09	4
IPR017104	46	9,39	187	38,16	4
IPR006773	49	9,39	196	37,55	4
IPR026683	68	9,39	249	34,39	4
IPR011388	24	9,38	59	23,05	3
IPR006925	42	9,38	198	44,2	4
IPR016342	87	9,38	387	41,7	8
IPR007198	47	9,38	215	42,91	4
IPR004201	164	9,38	371	21,22	3

IPR024561	54	9,38	0	0	0
IPR022816	49	9,37	223	42,64	5
IPR013041	255	9,37	799	29,36	16
IPR019716	22	9,36	132	56,17	4
IPR007244	38	9,36	193	47,54	4
IPR006811	45	9,36	203	42,2	4
IPR019474	64	9,36	234	34,21	5
IPR013584	87	9,36	0	0	0
IPR021717	39	9,35	194	46,52	4
IPR011501	39	9,35	213	51,08	4
IPR024240	56	9,35	34	5,68	0
IPR003305	201	9,34	48	2,23	0
IPR025614	46	9,33	205	41,58	5
IPR018253	2049	9,33	2668	12,14	52
IPR006626	2136	9,32	1142	4,98	71
IPR008045	53	9,31	222	39,02	4
IPR001222	228	9,31	735	30,02	15
IPR021648	36	9,3	192	49,61	4
IPR025687	78	9,3	387	46,13	8
IPR018999	40	9,3	193	44,88	3
IPR012961	178	9,3	423	22,1	8
IPR027925	291	9,29	1267	40,44	24
IPR015088	40	9,28	196	45,48	5
IPR028124	35	9,28	49	13	4
IPR002194	455	9,28	1577	32,15	29
IPR024732	61	9,28	42	6,39	0
IPR013926	53	9,27	169	29,55	4
IPR001945	42	9,27	212	46,8	3
IPR022495	64	9,26	197	28,51	5
IPR005756	92	9,26	218	21,93	4
IPR010291	76	9,25	138	16,79	11
IPR000555	642	9,24	1379	19,84	32
IPR004181	143	9,23	471	30,41	12
IPR007018	38	9,22	195	47,33	4
IPR002042	59	9,22	186	29,06	4
IPR003347	984	9,22	1582	14,82	35
IPR021967	44	9,21	200	41,84	5
IPR023617	68	9,2	238	32,21	4
IPR007070	42	9,19	181	39,61	3
IPR007209	120	9,19	383	29,33	8
IPR011320	157	9,19	339	19,84	8
IPR028282	17	9,19	0	0	0
IPR007191	38	9,18	201	48,55	4
IPR025834	91	9,18	195	19,68	4
IPR007582	52	9,17	217	38,27	4
IPR027410	496	9,16	1845	34,07	32
IPR008049	45	9,15	217	44,11	4
IPR018097	1069	9,15	0	0	0
IPR004000	1799	9,14	8473	43,03	768
IPR009976	64	9,14	414	59,14	10

IPR012541	35	9,14	165	43,08	4
IPR005485	130	9,14	233	16,39	5
IPR005836	537	9,14	1	0,02	0
IPR013937	76	9,13	304	36,54	8
IPR010301	48	9,13	208	39,54	4
IPR001147	116	9,13	245	19,28	4
IPR000960	207	9,12	464	20,44	25
IPR012295	175	9,12	243	12,66	5
IPR025977	41	9,11	210	46,67	4
IPR013167	41	9,11	203	45,11	4
IPR017383	52	9,11	205	35,9	4
IPR001514	76	9,1	350	41,92	8
IPR021036	22	9,09	207	85,54	4
IPR019442	40	9,09	176	40	4
IPR003701	64	9,09	220	31,25	5
IPR009960	5	9,09	50	90,91	0
IPR023580	60	9,08	176	26,63	3
IPR000637	54	9,08	135	22,69	2
IPR022885	531	9,08	167	2,86	4
IPR015525	56	9,08	51	8,27	0
IPR015342	33	9,07	196	53,85	4
IPR022092	40	9,07	150	34,01	4
IPR024624	43	9,07	193	40,72	2
IPR004255	257	9,07	18	0,64	0
IPR027076	49	9,06	197	36,41	4
IPR000630	966	9,06	455	4,27	8
IPR007462	163	9,06	0	0	0
IPR004057	29	9,06	70	21,88	0
IPR000268	60	9,05	179	27	3
IPR003409	545	9,05	66	1,1	0
IPR014009	175	9,03	786	40,54	18
IPR018034	42	9,03	198	42,58	4
IPR006086	236	9	1043	39,78	19
IPR006620	710	9	673	8,53	37
IPR015943	11977	9	29007	21,8	609
IPR014727	95	9	205	19,43	4
IPR026610	38	9	39	9,24	0
IPR012993	30	8,98	189	56,59	4
IPR016686	36	8,98	190	47,38	4
IPR002677	894	8,98	175	1,76	4
IPR002058	151	8,97	498	29,59	11
IPR007644	1531	8,97	3069	17,99	19
IPR027706	51	8,96	190	33,39	4
IPR001253	89	8,96	220	22,16	4
IPR022408	67	8,96	52	6,95	0
IPR021511	12	8,96	0	0	0
IPR026739	151	8,93	599	35,44	13
IPR005161	79	8,92	393	44,36	10
IPR013097	222	8,92	404	16,24	20
IPR007641	1075	8,92	650	5,39	12

IPR015926	14	8,92	62	39,49	0
IPR019763	48	8,91	140	25,97	4
IPR017905	115	8,9	413	31,97	7
IPR028031	17	8,9	2	1,05	0
IPR027664	33	8,89	218	58,76	5
IPR015419	51	8,89	171	29,79	4
IPR020592	410	8,89	116	2,52	4
IPR003034	563	8,87	1053	16,58	20
IPR019395	22	8,87	0	0	0
IPR006953	35	8,86	196	49,62	4
IPR011186	53	8,86	215	35,95	5
IPR009071	1048	8,86	2742	23,17	85
IPR006846	59	8,86	189	28,38	2
IPR000195	838	8,85	2391	25,24	52
IPR017998	512	8,85	1888	32,65	32
IPR005683	31	8,83	193	54,99	4
IPR022581	32	8,82	174	47,93	4
IPR007125	2005	8,82	2791	12,28	167
IPR002227	451	8,81	1122	21,91	92
IPR024585	45	8,81	219	42,86	4
IPR006789	46	8,8	200	38,24	4
IPR001727	220	8,8	199	7,96	4
IPR004802	75	8,79	211	24,74	4
IPR027120	49	8,78	222	39,78	4
IPR024950	587	8,78	958	14,33	22
IPR001830	422	8,77	766	15,92	12
IPR016528	19	8,76	131	60,37	2
IPR006994	41	8,76	201	42,95	4
IPR006186	964	8,76	1919	17,44	33
IPR002942	7388	8,73	1189	1,4	21
IPR015285	58	8,72	206	30,98	4
IPR001632	117	8,72	374	27,87	5
IPR011839	43	8,72	0	0	0
IPR012178	32	8,7	194	52,72	4
IPR013725	43	8,7	211	42,71	4
IPR006466	38	8,7	1	0,23	0
IPR020902	792	8,69	3283	36,03	18
IPR023043	427	8,69	0	0	0
IPR013949	38	8,68	199	45,43	4
IPR007918	29	8,68	150	44,91	3
IPR007967	19	8,68	27	12,33	0
IPR006189	172	8,67	0	0	0
IPR023798	1093	8,66	439	3,48	8
IPR000245	230	8,64	640	24,04	16
IPR020608	34	8,63	135	34,26	3
IPR023394	250	8,63	838	28,93	15
IPR005078	71	8,63	176	21,39	4
IPR003338	171	8,63	443	22,36	3
IPR005830	25	8,62	5	1,72	0
IPR018939	29	8,61	204	60,53	4

IPR010097	328	8,61	497	13,04	11
IPR014044	923	8,61	670	6,25	19
IPR013923	35	8,6	182	44,72	4
IPR000243	200	8,6	614	26,4	11
IPR026571	8	8,6	0	0	0
IPR025069	36	8,59	208	49,64	4
IPR007064	68	8,59	215	27,15	4
IPR023561	374	8,59	158	3,63	18
IPR007231	44	8,58	231	45,03	5
IPR001623	4484	8,58	5629	10,77	106
IPR020683	6079	8,57	10296	14,52	424
IPR006603	212	8,56	1253	50,61	30
IPR027668	30	8,55	201	57,26	5
IPR006906	39	8,55	167	36,62	4
IPR007264	49	8,55	174	30,37	4
IPR000261	199	8,54	692	29,69	14
IPR010945	298	8,54	0	0	0
IPR021414	50	8,53	0	0	0
IPR018955	102	8,52	552	46,12	12
IPR006849	41	8,51	231	47,93	4
IPR002189	49	8,51	184	31,94	4
IPR004523	128	8,5	358	23,77	9
IPR012948	80	8,49	444	47,13	8
IPR002713	101	8,49	410	34,48	8
IPR009053	407	8,49	1310	27,33	28
IPR000454	934	8,49	303	2,75	5
IPR010643	39	8,48	212	46,09	3
IPR000235	1061	8,47	429	3,42	8
IPR012913	49	8,45	189	32,59	4
IPR007934	42	8,45	85	17,1	3
IPR007356	60	8,44	185	26,02	4
IPR008386	30	8,43	183	51,4	4
IPR016652	36	8,43	183	42,86	4
IPR012678	1084	8,43	847	6,59	15
IPR010977	285	8,43	169	5	3
IPR003954	38	8,43	169	37,47	0
IPR007121	1415	8,42	3382	20,12	12
IPR024661	36	8,41	197	46,03	4
IPR005155	39	8,41	204	43,97	4
IPR006165	43	8,4	214	41,8	6
IPR007852	41	8,4	216	44,26	4
IPR005804	1213	8,4	1325	9,18	33
IPR019942	95	8,4	0	0	0
IPR002110	5595	8,39	9742	14,61	396
IPR001529	85	8,39	362	35,74	5
IPR003544	326	8,39	1	0,03	0
IPR008576	44	8,38	221	42,1	5
IPR013748	184	8,38	821	37,4	16
IPR002468	77	8,37	219	23,8	7
IPR027121	57	8,36	200	29,33	4



IPR015221	34	8,35	164	40,29	4
IPR006111	70	8,34	204	24,31	4
IPR027306	41	8,33	214	43,5	4
IPR001148	390	8,33	166	3,54	18
IPR023076	245	8,33	294	10	8
IPR027388	13	8,33	5	3,21	0
IPR008882	7	8,33	0	0	0
IPR009434	3	8,33	2	5,56	0
IPR015697	47	8,32	300	53,1	8
IPR021843	38	8,32	214	46,83	4
IPR016636	40	8,32	48	9,98	4
IPR024647	33	8,31	185	46,6	4
IPR002836	56	8,31	202	29,97	3
IPR006325	61	8,3	176	23,95	4
IPR000904	253	8,3	847	27,79	15
IPR001382	233	8,26	1220	43,25	48
IPR007758	39	8,25	192	40,59	4
IPR018936	320	8,25	1223	31,52	24
IPR009076	45	8,24	222	40,66	4
IPR024687	30	8,24	192	52,75	1
IPR013283	76	8,22	207	22,38	4
IPR012762	44	8,21	152	28,36	3
IPR001828	655	8,2	11	0,14	0
IPR021771	74	8,19	467	51,72	12
IPR026846	34	8,19	189	45,54	5
IPR014808	39	8,18	184	38,57	4
IPR006575	224	8,18	985	35,99	21
IPR026740	45	8,17	194	35,21	5
IPR007330	123	8,17	319	21,18	7
IPR002759	54	8,16	184	27,79	4
IPR006121	2671	8,16	865	2,64	28
IPR010721	126	8,15	380	24,58	21
IPR005635	30	8,15	183	49,73	4
IPR024610	87	8,15	396	37,11	4
IPR002650	110	8,15	176	13,05	4
IPR025766	34	8,15	0	0	0
IPR011709	695	8,14	1629	19,08	34
IPR021190	216	8,14	12	0,45	0
IPR003114	88	8,13	488	45,1	13
IPR003014	141	8,13	195	11,25	16
IPR023307	69	8,13	94	11,07	4
IPR026541	71	8,12	202	23,11	4
IPR019771	33	8,11	178	43,73	4
IPR011050	4849	8,11	3202	5,36	229
IPR023036	533	8,11	0	0	0
IPR010004	21	8,11	0	0	0
IPR012734	40	8,1	272	55,06	9
IPR018325	59	8,07	455	62,24	11
IPR010541	62	8,07	278	36,2	7
IPR020422	490	8,07	923	15,2	12

IPR001648	811	8,07	194	1,93	4
IPR008537	81	8,07	0	0	0
IPR007365	95	8,06	494	41,9	16
IPR022035	17	8,06	0	0	0
IPR001971	845	8,04	414	3,94	8
IPR000909	504	8,03	895	14,25	31
IPR025260	37	8,01	171	37,01	3
IPR024550	57	7,98	239	33,47	4
IPR003734	101	7,97	594	46,85	11
IPR001698	38	7,97	191	40,04	4
IPR013784	578	7,97	485	6,69	34
IPR008217	314	7,97	264	6,7	7
IPR009448	52	7,96	209	32,01	5
IPR019830	228	7,96	236	8,24	8
IPR023571	834	7,96	420	4,01	7
IPR000218	834	7,96	420	4,01	7
IPR004526	53	7,95	218	32,68	4
IPR026010	37	7,94	196	42,06	4
IPR001613	213	7,94	315	11,74	16
IPR001202	733	7,94	1820	19,71	38
IPR003018	4908	7,94	785	1,27	23
IPR000580	43	7,92	0	0	0
IPR012099	17	7,91	129	60	3
IPR023476	157	7,91	251	12,64	4
IPR005711	83	7,9	227	21,62	4
IPR015915	1619	7,9	2049	9,99	72
IPR024134	498	7,9	609	9,66	14
IPR011599	57	7,89	192	26,59	4
IPR007757	134	7,89	290	17,07	4
IPR007083	1102	7,89	1639	11,74	12
IPR001672	991	7,89	251	2	6
IPR002728	93	7,87	416	35,22	7
IPR007034	111	7,87	850	60,28	8
IPR015898	126	7,87	211	13,17	5
IPR013235	44	7,86	179	31,96	4
IPR025980	130	7,86	179	10,83	4
IPR008676	69	7,85	219	24,91	7
IPR003750	46	7,85	169	28,84	4
IPR001019	285	7,85	920	25,34	17
IPR017942	71	7,83	0	0	0
IPR000589	796	7,81	408	4	8
IPR009349	32	7,8	185	45,12	4
IPR009401	33	7,8	168	39,72	4
IPR028231	54	7,8	178	25,72	4
IPR002937	1032	7,8	1167	8,82	53
IPR006615	94	7,8	203	16,85	4
IPR018349	54	7,79	164	23,67	6
IPR014472	49	7,78	260	41,27	8
IPR008985	5598	7,78	11330	15,74	283
IPR006716	29	7,77	200	53,62	4

IPR019193	31	7,77	219	54,89	4
IPR002778	56	7,77	249	34,54	2
IPR001510	83	7,76	151	14,13	4
IPR009060	1600	7,76	3362	16,31	70
IPR025258	44	7,75	0	0	0
IPR007461	119	7,74	516	33,57	15
IPR000612	266	7,74	614	17,86	13
IPR000814	118	7,74	242	15,87	5
IPR028283	13	7,74	0	0	0
IPR008265	283	7,73	11	0,3	0
IPR025640	90	7,72	0	0	0
IPR024951	131	7,71	181	10,65	4
IPR000742	2510	7,71	341	1,05	14
IPR023271	2275	7,7	1034	3,5	23
IPR022800	53	7,69	191	27,72	4
IPR004713	196	7,68	226	8,85	4
IPR017276	29	7,67	210	55,56	5
IPR022968	51	7,67	214	32,18	4
IPR012960	56	7,67	205	28,08	3
IPR020537	746	7,67	286	2,94	5
IPR017890	31	7,67	24	5,94	0
IPR007763	86	7,66	255	22,73	7
IPR019761	67	7,66	192	21,94	4
IPR000510	379	7,66	1	0,02	0
IPR014133	44	7,65	72	12,52	4
IPR020606	837	7,65	247	2,26	4
IPR011990	19159	7,64	14721	5,87	343
IPR013866	35	7,63	172	37,47	4
IPR003226	66	7,63	224	25,9	5
IPR006166	138	7,62	542	29,91	12
IPR017873	14	7,61	0	0	0
IPR003402	107	7,6	314	22,3	4
IPR004046	1979	7,6	1660	6,38	29
IPR022772	18	7,59	16	6,75	2
IPR007177	51	7,59	214	31,85	4
IPR018152	410	7,59	252	4,67	5
IPR013969	73	7,58	176	18,28	4
IPR013025	818	7,56	402	3,71	7
IPR018993	17	7,56	2	0,89	0
IPR023426	41	7,55	144	26,52	4
IPR003280	161	7,55	187	8,77	4
IPR001547	593	7,54	2026	25,76	74
IPR008153	82	7,54	377	34,68	8
IPR001163	982	7,53	2903	22,27	60
IPR022659	65	7,53	203	23,52	4
IPR001424	519	7,53	638	9,25	14
IPR000096	25	7,53	0	0	0
IPR017261	24	7,52	171	53,61	3
IPR004776	801	7,52	427	4,01	8
IPR013525	1887	7,51	2057	8,19	75

IPR000340	740	7,51	1422	14,43	29
IPR024053	18	7,5	14	5,83	2
IPR018215	857	7,5	138	1,21	4
IPR015155	36	7,48	231	48,02	5
IPR013721	46	7,48	187	30,41	4
IPR024097	57	7,48	115	15,09	0
IPR008322	72	7,47	69	7,16	0
IPR003611	49	7,47	114	17,38	0
IPR025304	59	7,44	375	47,29	8
IPR013499	92	7,44	208	16,81	4
IPR002379	1067	7,44	975	6,79	21
IPR008266	1195	7,44	1203	7,49	13
IPR008922	462	7,43	1145	18,42	96
IPR008947	184	7,43	209	8,44	12
IPR000569	435	7,43	1120	19,14	24
IPR003689	714	7,43	1285	13,37	34
IPR001211	110	7,43	0	0	0
IPR016643	80	7,42	224	20,78	5
IPR004986	2	7,41	1	3,7	0
IPR005301	118	7,4	563	35,3	12
IPR025532	232	7,4	188	6	3
IPR018870	21	7,39	183	64,44	3
IPR013718	44	7,39	168	28,24	3
IPR006823	85	7,38	181	15,71	9
IPR012110	199	7,37	574	21,27	8
IPR013090	111	7,36	3	0,2	0
IPR007238	55	7,35	216	28,88	4
IPR001209	892	7,33	360	2,96	6
IPR010720	184	7,32	219	8,71	10
IPR014599	39	7,32	0	0	0
IPR004327	56	7,31	397	51,83	7
IPR027303	1102	7,31	206	1,37	5
IPR001890	497	7,29	0	0	0
IPR013802	48	7,29	0	0	0
IPR004578	82	7,28	409	36,29	8
IPR000217	1399	7,27	10864	56,46	491
IPR015433	197	7,27	612	22,6	12
IPR007647	699	7,27	7752	80,6	15
IPR018271	639	7,27	221	2,51	3
IPR027986	12	7,27	0	0	0
IPR016346	56	7,26	207	26,85	5
IPR026054	48	7,26	134	20,27	4
IPR002346	638	7,26	154	1,75	5
IPR022033	37	7,25	196	38,43	4
IPR004939	68	7,25	215	22,92	4
IPR024936	533	7,25	917	12,48	15
IPR002395	10	7,25	17	12,32	0
IPR016640	5	7,25	0	0	0
IPR004147	767	7,24	770	7,26	16
IPR014029	564	7,24	169	2,17	4

IPR018834	74	7,23	378	36,91	9
IPR002480	176	7,23	171	7,02	5
IPR028191	13	7,22	0	0	0
IPR000132	108	7,21	299	19,96	18
IPR025995	106	7,21	400	27,19	8
IPR009029	271	7,21	306	8,14	8
IPR023074	270	7,2	306	8,16	8
IPR012331	42	7,2	68	11,66	0
IPR003827	31	7,19	162	37,59	4
IPR027989	11	7,19	0	0	0
IPR009025	956	7,18	858	6,45	16
IPR016067	323	7,18	220	4,89	4
IPR002738	48	7,17	219	32,74	3
IPR003126	114	7,16	400	25,13	8
IPR016437	53	7,15	194	26,18	4
IPR021518	9	7,14	0	0	0
IPR009101	2	7,14	17	60,71	0
IPR011058	36	7,13	414	81,98	41
IPR027933	53	7,13	190	25,57	4
IPR027450	460	7,13	806	12,5	27
IPR003674	89	7,13	206	16,51	4
IPR022776	42	7,13	43	7,3	0
IPR004991	19	7,12	16	5,99	1
IPR008030	634	7,11	2939	32,96	173
IPR007646	689	7,1	7936	81,76	15
IPR014052	49	7,08	224	32,37	4
IPR000381	8	7,08	1	0,88	0
IPR001263	151	7,06	545	25,49	12
IPR008551	117	7,05	195	11,75	4
IPR002842	126	7,03	224	12,5	4
IPR020839	45	7,02	206	32,14	4
IPR002202	275	7,01	316	8,05	9
IPR006083	1111	7,01	362	2,28	9
IPR011262	845	7	446	3,69	8
IPR001063	760	7	433	3,99	8
IPR005953	537	6,99	3	0,04	0
IPR013747	951	6,97	1	0,01	0
IPR022649	80	6,96	219	19,04	4
IPR022742	239	6,96	47	1,37	1
IPR000215	415	6,96	19	0,32	0
IPR018327	38	6,95	327	59,78	8
IPR018996	34	6,95	223	45,6	4
IPR004531	52	6,95	210	28,07	4
IPR002466	65	6,94	192	20,49	6
IPR002730	44	6,93	198	31,18	4
IPR023562	1179	6,93	140	0,82	4
IPR001881	854	6,93	27	0,22	0
IPR013130	536	6,92	2018	26,04	73
IPR008146	1483	6,92	565	2,64	14
IPR011263	834	6,92	446	3,7	8

IPR001503	148	6,92	8	0,37	0
IPR026000	36	6,9	195	37,36	4
IPR021088	4	6,9	0	0	0
IPR024206	2	6,9	18	62,07	0
IPR000473	669	6,88	140	1,44	4
IPR023796	430	6,88	50	0,8	0
IPR004583	41	6,87	337	56,45	8
IPR005910	45	6,87	214	32,67	3
IPR001360	1554	6,86	314	1,39	10
IPR006046	296	6,86	107	2,48	1
IPR001293	107	6,84	124	7,93	4
IPR001907	1081	6,84	137	0,87	4
IPR000138	39	6,84	20	3,51	0
IPR018326	39	6,83	335	58,67	8
IPR013905	27	6,82	203	51,26	4
IPR026892	752	6,82	1726	15,65	103
IPR011025	218	6,82	877	27,43	17
IPR024826	47	6,81	215	31,16	4
IPR025593	16	6,81	2	0,85	0
IPR015880	6466	6,79	16255	17,06	455
IPR025254	22	6,79	3	0,93	0
IPR019498	15	6,79	0	0	0
IPR019440	20	6,78	162	54,92	4
IPR019842	25	6,78	165	44,72	4
IPR005745	620	6,78	187	2,04	4
IPR018328	38	6,77	332	59,18	8
IPR010634	45	6,77	14	2,11	0
IPR010987	3708	6,76	4051	7,39	95
IPR010227	810	6,76	136	1,13	1
IPR001353	1096	6,72	3070	18,81	56
IPR014900	8	6,72	0	0	0
IPR000449	936	6,71	1238	8,87	21
IPR006939	43	6,7	397	61,84	9
IPR013637	41	6,7	183	29,9	4
IPR027124	59	6,7	164	18,62	4
IPR013766	2656	6,7	2209	5,57	55
IPR009023	250	6,69	301	8,05	7
IPR006050	514	6,69	316	4,11	10
IPR000286	576	6,68	1014	11,75	16
IPR001135	683	6,68	177	1,73	4
IPR008907	28	6,67	2	0,48	0
IPR019177	19	6,67	0	0	0
IPR014953	8	6,67	0	0	0
IPR001834	264	6,65	905	22,78	24
IPR001950	328	6,65	573	11,62	14
IPR006329	87	6,64	255	19,47	4
IPR000146	350	6,64	257	4,88	9
IPR000330	1616	6,63	4549	18,65	114
IPR022648	79	6,63	218	18,3	4
IPR013088	1006	6,62	1767	11,63	34

IPR001892	670	6,61	396	3,91	8
IPR020819	102	6,6	397	25,7	8
IPR016260	75	6,59	547	48,07	11
IPR002167	34	6,59	105	20,35	1
IPR011600	371	6,58	541	9,59	13
IPR023801	556	6,57	1010	11,93	16
IPR025239	29	6,56	285	64,48	8
IPR005107	549	6,56	155	1,85	5
IPR013999	22	6,55	7	2,08	0
IPR014019	76	6,54	192	16,52	4
IPR002935	531	6,54	411	5,06	16
IPR003729	122	6,54	0	0	0
IPR018808	33	6,53	188	37,23	4
IPR016435	45	6,53	205	29,75	4
IPR007315	58	6,53	192	21,62	4
IPR026587	33	6,53	0	0	0
IPR021752	14	6,51	102	47,44	1
IPR011260	706	6,51	1	0,01	0
IPR017892	276	6,47	899	21,08	19
IPR011773	671	6,47	0	0	0
IPR019345	15	6,47	0	0	0
IPR017987	8	6,45	5	4,03	0
IPR016090	171	6,42	111	4,17	0
IPR025423	102	6,41	194	12,19	8
IPR012446	20	6,39	0	0	0
IPR007087	5267	6,37	13133	15,88	345
IPR001609	568	6,36	979	10,97	24
IPR021139	336	6,36	105	1,99	2
IPR000730	83	6,35	310	23,7	8
IPR020467	4	6,35	1	1,59	0
IPR010746	4	6,35	0	0	0
IPR016274	35	6,34	399	72,28	11
IPR013094	1510	6,34	2752	11,55	110
IPR004038	523	6,34	1119	13,56	22
IPR002528	2157	6,34	501	1,47	14
IPR002464	543	6,32	2021	23,51	40
IPR013535	38	6,31	335	55,65	8
IPR001401	647	6,31	1712	16,7	67
IPR013079	88	6,3	637	45,63	12
IPR001630	37	6,28	7	1,19	0
IPR011332	1807	6,27	1503	5,22	30
IPR001440	1697	6,26	2498	9,21	54
IPR004045	3273	6,26	3221	6,16	79
IPR006977	208	6,24	379	11,38	7
IPR017751	45	6,24	180	24,97	0
IPR019805	352	6,23	236	4,18	4
IPR005727	600	6,23	197	2,04	4
IPR002168	489	6,22	481	6,12	11
IPR006196	663	6,22	323	3,03	8
IPR007075	124	6,21	895	44,79	4

IPR005290	561	6,21	107	1,18	0
IPR000687	47	6,2	219	28,89	4
IPR018102	582	6,18	205	2,18	4
IPR005135	2748	6,17	3390	7,61	152
IPR007073	59	6,15	236	24,58	4
IPR010089	231	6,15	330	8,79	4
IPR007914	8	6,15	1	0,77	0
IPR008280	1393	6,1	4185	18,33	86
IPR027090	55	6,1	43	4,77	1
IPR001767	34	6,1	0	0	0
IPR018553	10	6,1	46	28,05	0
IPR006353	39	6,07	401	62,36	7
IPR002146	649	6,07	0	0	0
IPR019133	44	6,06	155	21,35	4
IPR009695	102	6,06	0	0	0
IPR008629	45	6,06	0	0	0
IPR008373	24	6,06	0	0	0
IPR008953	4	6,06	0	0	0
IPR027830	4	6,06	0	0	0
IPR002772	686	6,05	1735	15,31	96
IPR006082	165	6,05	1	0,04	0
IPR007240	13	6,02	181	83,8	3
IPR017105	20	6,02	164	49,4	4
IPR023160	39	6,01	209	32,2	4
IPR023943	51	5,99	86	10,09	4
IPR016053	131	5,99	158	7,23	4
IPR019466	19	5,99	0	0	0
IPR004148	166	5,98	847	30,49	20
IPR005033	66	5,96	408	36,82	9
IPR002453	723	5,95	8102	66,63	291
IPR001404	547	5,95	342	3,72	4
IPR027751	10	5,95	1	0,6	0
IPR007516	47	5,94	0	0	0
IPR004521	110	5,93	417	22,47	8
IPR018422	558	5,92	207	2,19	4
IPR007517	19	5,92	41	12,77	0
IPR003094	96	5,91	640	39,41	12
IPR007402	86	5,91	64	4,4	0
IPR003195	48	5,9	448	55,1	11
IPR013767	1683	5,9	86	0,3	0
IPR009577	40	5,9	0	0	0
IPR019544	24	5,88	186	45,59	3
IPR023486	76	5,87	267	20,62	4
IPR013134	27	5,87	39	8,48	0
IPR001859	19	5,85	105	32,31	4
IPR013120	365	5,85	1570	25,17	69
IPR001223	773	5,85	2563	19,41	82
IPR005113	118	5,85	214	10,61	7
IPR013137	120	5,85	371	18,07	4
IPR004551	37	5,84	206	32,49	4



IPR005101	520	5,84	326	3,66	13
IPR024481	13	5,83	193	86,55	5
IPR002140	44	5,83	210	27,81	4
IPR019972	552	5,83	379	4	7
IPR001457	749	5,82	202	1,57	2
IPR017943	86	5,81	172	11,63	5
IPR003959	5122	5,81	8181	9,28	216
IPR008972	4454	5,81	4768	6,22	127
IPR018316	1304	5,8	3881	17,28	85
IPR027865	4	5,8	1	1,45	0
IPR004130	169	5,79	644	22,05	13
IPR001781	533	5,79	825	8,97	16
IPR025252	26	5,78	3	0,67	0
IPR005552	53	5,77	132	14,36	0
IPR004557	49	5,76	213	25,03	5
IPR018957	658	5,76	927	8,12	29
IPR013995	59	5,75	280	27,29	4
IPR001194	134	5,75	255	10,94	8
IPR000043	238	5,75	214	5,17	4
IPR022805	234	5,74	0	0	0
IPR023795	217	5,73	12	0,32	0
IPR000301	210	5,73	1	0,03	0
IPR004567	96	5,72	219	13,04	4
IPR018978	42	5,71	203	27,58	4
IPR001305	909	5,71	884	5,55	17
IPR004456	46	5,71	1	0,12	0
IPR006774	2	5,71	31	88,57	0
IPR005828	3432	5,7	11334	18,83	635
IPR007502	704	5,7	1729	14	36
IPR017597	106	5,7	194	10,43	4
IPR011831	296	5,7	0	0	0
IPR007009	15	5,7	74	28,14	0
IPR013177	38	5,69	177	26,5	4
IPR019843	28	5,69	128	26,02	2
IPR005201	52	5,68	54	5,9	0
IPR027267	283	5,67	1378	27,63	33
IPR004649	33	5,65	172	29,45	3
IPR018275	467	5,65	0	0	0
IPR005746	1818	5,64	1328	4,12	34
IPR014746	1492	5,64	574	2,17	14
IPR011387	16	5,63	185	65,14	4
IPR012371	4	5,63	0	0	0
IPR011876	166	5,61	223	7,53	4
IPR002109	1593	5,59	1131	3,97	16
IPR015411	8	5,59	0	0	0
IPR020548	194	5,58	230	6,62	4
IPR026897	17	5,57	0	0	0
IPR023298	1291	5,56	2151	9,26	71
IPR001296	4572	5,56	1047	1,27	27
IPR005821	891	5,55	425	2,65	12

IPR001252	459	5,53	402	4,84	8
IPR018260	471	5,53	190	2,23	4
IPR007312	173	5,52	365	11,65	11
IPR004368	516	5,52	1	0,01	0
IPR025829	13	5,51	67	28,39	0
IPR017449	112	5,5	225	11,05	4
IPR001733	110	5,5	160	8	3
IPR015965	13	5,49	206	86,92	4
IPR009089	18	5,49	112	34,15	4
IPR016061	112	5,49	225	11,03	4
IPR025150	31	5,49	0	0	0
IPR001715	580	5,48	1170	11,06	20
IPR007645	1314	5,48	6741	28,14	19
IPR015211	44	5,47	176	21,89	6
IPR015405	55	5,47	167	16,6	4
IPR000772	483	5,45	816	9,21	13
IPR010441	26	5,45	3	0,63	0
IPR000221	6	5,45	0	0	0
IPR023431	6	5,45	0	0	0
IPR021406	3	5,45	0	0	0
IPR019180	32	5,44	205	34,86	4
IPR001208	429	5,44	2617	33,19	34
IPR018394	271	5,44	128	2,57	4
IPR005515	8	5,44	0	0	0
IPR002129	717	5,43	1022	7,74	28
IPR007308	35	5,41	192	29,68	4
IPR023296	1186	5,41	1974	9	124
IPR007129	44	5,41	187	23	4
IPR012576	15	5,4	138	49,64	4
IPR018359	214	5,4	864	21,79	14
IPR000152	640	5,4	0	0	0
IPR004842	37	5,4	0	0	0
IPR002402	49	5,39	359	39,49	3
IPR013781	9107	5,39	11738	6,94	437
IPR012112	17	5,36	183	57,73	4
IPR007175	38	5,36	295	41,61	7
IPR006885	58	5,34	167	15,36	4
IPR023566	1126	5,34	642	3,04	13
IPR009212	56	5,33	0	0	0
IPR006138	453	5,32	226	2,66	8
IPR009915	42	5,32	0	0	0
IPR027912	5	5,32	1	1,06	0
IPR009305	136	5,31	208	8,12	4
IPR012429	119	5,31	3	0,13	0
IPR019537	12	5,31	0	0	0
IPR019366	11	5,31	1	0,48	0
IPR018456	636	5,3	428	3,56	16
IPR001579	443	5,29	2038	24,32	52
IPR015412	45	5,28	283	33,22	8
IPR002219	406	5,28	639	8,31	15

IPR019981	452	5,27	0	0	0
IPR020675	119	5,26	197	8,7	4
IPR001298	80	5,26	0	0	0
IPR027968	5	5,26	1	1,05	0
IPR005266	1	5,26	0	0	0
IPR021618	1	5,26	0	0	0
IPR006536	29	5,25	0	0	0
IPR000961	500	5,24	2280	23,89	47
IPR015324	49	5,23	200	21,34	4
IPR010033	56	5,23	163	15,23	4
IPR001694	1558	5,23	293	0,98	1
IPR006629	49	5,22	108	11,5	5
IPR013028	76	5,22	187	12,83	4
IPR000246	255	5,19	325	6,61	12
IPR004837	628	5,17	1241	10,21	35
IPR001584	5091	5,17	1890	1,92	8
IPR004043	48	5,15	292	31,33	8
IPR027434	324	5,15	1031	16,38	1
IPR009019	1707	5,14	225	0,68	4
IPR019159	9	5,14	0	0	0
IPR013883	16	5,13	188	60,26	3
IPR000649	231	5,12	811	17,99	20
IPR001357	924	5,12	2840	15,74	72
IPR005082	7	5,11	0	0	0
IPR018120	941	5,1	190	1,03	3
IPR001258	196	5,1	0	0	0
IPR019309	13	5,1	0	0	0
IPR025929	19	5,09	178	47,72	4
IPR019587	502	5,09	170	1,72	8
IPR014025	432	5,08	463	5,44	8
IPR000023	565	5,08	288	2,59	5
IPR025721	41	5,07	302	37,33	7
IPR019595	64	5,07	150	11,88	4
IPR017853	10919	5,07	15803	7,34	613
IPR017408	8	5,06	150	94,94	4
IPR002076	122	5,06	514	21,33	12
IPR026150	12	5,06	3	1,27	0
IPR014352	334	5,05	387	5,85	8
IPR002081	309	5,01	212	3,44	8
IPR012308	118	5	631	26,76	17
IPR004014	921	5	1973	10,7	63
IPR021115	313	5	194	3,1	8
IPR002156	1474	5	1175	3,98	24
IPR002967	10	5	10	5	0
IPR000796	383	4,99	583	7,6	14
IPR018087	137	4,99	464	16,9	5
IPR022312	45	4,98	306	33,85	8
IPR000977	78	4,98	492	31,42	12
IPR002717	81	4,98	609	37,43	12
IPR005112	89	4,98	105	5,88	4

IPR016300	167	4,98	155	4,62	5
IPR001818	230	4,98	38	0,82	1
IPR026502	13	4,98	1	0,38	0
IPR020575	422	4,97	332	3,91	4
IPR013105	1628	4,95	1791	5,44	50
IPR001193	35	4,95	29	4,1	0
IPR028260	9	4,95	0	0	0
IPR016616	5	4,95	0	0	0
IPR025723	193	4,94	217	5,55	5
IPR001272	298	4,94	212	3,51	5
IPR015994	234	4,94	199	4,2	4
IPR008704	4	4,94	37	45,68	0
IPR011893	87	4,93	162	9,18	4
IPR000857	63	4,93	27	2,11	0
IPR000440	780	4,91	205	1,29	1
IPR018494	108	4,9	814	36,92	19
IPR018934	121	4,88	469	18,9	8
IPR023779	111	4,88	509	22,36	7
IPR026771	2	4,88	0	0	0
IPR003251	278	4,87	0	0	0
IPR004499	131	4,85	233	8,63	5
IPR001576	501	4,85	229	2,22	4
IPR006911	22	4,85	1	0,22	0
IPR024366	5	4,85	0	0	0
IPR003994	5	4,85	4	3,88	0
IPR002229	112	4,84	84	3,63	6
IPR001705	579	4,83	101	0,84	3
IPR011364	80	4,82	3	0,18	0
IPR026823	98	4,8	0	0	0
IPR002999	173	4,79	257	7,11	6
IPR008971	894	4,79	1113	5,96	20
IPR010554	19	4,79	2	0,5	0
IPR010435	74	4,78	330	21,32	45
IPR008401	12	4,78	143	56,97	4
IPR023754	37	4,78	165	21,32	4
IPR018264	462	4,78	0	0	0
IPR021158	48	4,78	0	0	0
IPR003140	268	4,77	587	10,44	16
IPR012083	6	4,76	120	95,24	9
IPR014842	4	4,76	79	94,05	0
IPR024533	1	4,76	0	0	0
IPR015901	484	4,75	225	2,21	4
IPR010865	57	4,75	0	0	0
IPR021067	16	4,75	0	0	0
IPR014014	1859	4,74	4039	10,29	98
IPR006257	68	4,74	197	13,72	3
IPR012337	12320	4,74	9412	3,62	135
IPR013523	7	4,73	141	95,27	4
IPR000164	747	4,73	1790	11,34	131
IPR028207	40	4,72	308	36,32	8

IPR010107	217	4,72	315	6,85	9
IPR004732	72	4,71	0	0	0
IPR004888	58	4,7	391	31,69	9
IPR002627	457	4,7	208	2,14	4
IPR002800	15	4,7	0	0	0
IPR002939	844	4,69	1050	5,83	19
IPR000632	3	4,69	61	95,31	0
IPR013500	94	4,68	207	10,31	4
IPR028172	8	4,68	1	0,58	0
IPR020892	815	4,67	1520	8,71	28
IPR004361	193	4,66	199	4,8	4
IPR019783	44	4,65	405	42,77	8
IPR011419	46	4,65	206	20,81	4
IPR027167	102	4,64	180	8,19	6
IPR008854	71	4,64	172	11,25	3
IPR014349	167	4,64	208	5,78	3
IPR007314	61	4,64	6	0,46	0
IPR007992	22	4,63	278	58,53	4
IPR022764	724	4,63	738	4,72	18
IPR014711	92	4,62	207	10,39	4
IPR006316	38	4,62	0	0	0
IPR003008	1436	4,61	10397	33,37	468
IPR004480	254	4,61	440	7,99	8
IPR016580	16	4,6	163	46,84	4
IPR011394	69	4,59	3	0,2	0
IPR017755	41	4,59	0	0	0
IPR006840	129	4,58	201	7,13	4
IPR005955	108	4,58	69	2,93	3
IPR012394	213	4,58	308	6,62	5
IPR006356	33	4,58	0	0	0
IPR021129	293	4,57	198	3,09	3
IPR010926	48	4,56	174	16,52	5
IPR012908	129	4,56	438	15,47	8
IPR027012	18	4,56	5	1,27	0
IPR023335	45	4,55	202	20,4	4
IPR001631	86	4,55	207	10,95	4
IPR017246	5	4,55	2	1,82	0
IPR023421	4	4,55	0	0	0
IPR007822	105	4,54	98	4,24	2
IPR007817	28	4,53	263	42,56	23
IPR009011	92	4,53	607	29,9	14
IPR013026	5592	4,53	6574	5,33	144
IPR023011	942	4,53	1222	5,87	1
IPR007263	143	4,52	0	0	0
IPR009290	9	4,52	0	0	0
IPR006544	57	4,51	445	35,21	8
IPR015801	469	4,51	652	6,27	34
IPR017868	100	4,5	10	0,45	1
IPR024367	5	4,5	0	0	0
IPR015688	27	4,49	480	79,73	8

IPR015824	451	4,49	220	2,19	4
IPR028131	8	4,49	1	0,56	0
IPR007577	129	4,48	1014	35,18	22
IPR016038	4519	4,48	4900	4,85	236
IPR009001	1494	4,48	2374	7,11	38
IPR001045	338	4,48	388	5,14	8
IPR023827	486	4,47	1471	13,54	88
IPR010493	178	4,47	0	0	0
IPR013109	42	4,47	0	0	0
IPR006602	28	4,47	3	0,48	0
IPR022712	163	4,46	420	11,49	8
IPR002490	148	4,46	275	8,28	4
IPR015878	184	4,46	212	5,13	4
IPR001891	459	4,46	349	3,39	8
IPR002328	1979	4,45	3103	6,98	109
IPR014722	2077	4,45	1783	3,82	36
IPR028203	40	4,45	0	0	0
IPR017065	50	4,44	192	17,07	4
IPR003591	879	4,44	507	2,56	8
IPR027887	8	4,44	1	0,56	0
IPR023121	2	4,44	0	0	0
IPR000889	420	4,43	299	3,16	3
IPR005046	90	4,43	0	0	0
IPR010736	43	4,43	9	0,93	0
IPR023676	12	4,43	18	6,64	0
IPR000253	822	4,42	2329	12,52	45
IPR016119	22	4,42	25	5,02	0
IPR016130	756	4,41	2203	12,84	48
IPR008089	263	4,41	37	0,62	0
IPR016039	4481	4,4	4926	4,84	236
IPR027418	103	4,4	202	8,64	4
IPR006677	60	4,39	571	41,8	11
IPR008991	2519	4,39	2453	4,28	48
IPR011889	81	4,39	0	0	0
IPR012981	29	4,39	71	10,74	0
IPR001893	14	4,39	0	0	0
IPR000642	570	4,38	438	3,36	8
IPR026504	6	4,38	0	0	0
IPR028343	216	4,37	214	4,33	4
IPR022708	18	4,35	172	41,55	4
IPR003149	64	4,35	8	0,54	0
IPR026697	6	4,35	1	0,72	0
IPR018836	1	4,35	0	0	0
IPR019734	4883	4,34	6179	5,49	143
IPR002737	52	4,33	204	16,99	4
IPR004160	1377	4,33	3998	12,57	34
IPR009852	11	4,33	8	3,15	0
IPR016903	11	4,31	167	65,49	4
IPR004710	8	4,28	0	0	0
IPR018170	896	4,27	1905	9,09	56

IPR008579	167	4,27	66	1,69	3
IPR000568	1045	4,27	1421	5,81	1
IPR002085	4166	4,26	8252	8,44	348
IPR003173	96	4,26	174	7,72	3
IPR021897	6	4,26	1	0,71	0
IPR028311	4	4,26	0	0	0
IPR019872	9	4,25	0	0	0
IPR013909	10	4,24	136	57,63	4
IPR013126	1368	4,24	2396	7,43	54
IPR007702	10	4,24	0	0	0
IPR011047	1124	4,23	2457	9,25	59
IPR004039	486	4,23	430	3,74	8
IPR004572	102	4,22	191	7,9	4
IPR001509	3369	4,22	2481	3,11	115
IPR011547	586	4,19	850	6,08	31
IPR004843	2486	4,19	4395	7,41	88
IPR024628	12	4,18	0	0	0
IPR022879	83	4,17	193	9,69	4
IPR022980	5	4,17	0	0	0
IPR016973	3	4,17	1	1,39	0
IPR000387	760	4,16	1950	10,68	38
IPR002699	109	4,16	216	8,24	4
IPR027110	84	4,15	128	6,32	3
IPR008162	324	4,15	326	4,18	8
IPR024192	8	4,15	0	0	0
IPR013917	35	4,14	156	18,46	4
IPR027437	404	4,14	392	4,02	8
IPR001161	48	4,13	223	19,21	5
IPR019399	16	4,13	28	7,24	1
IPR007533	92	4,12	218	9,76	4
IPR001852	125	4,12	219	7,22	4
IPR026555	39	4,12	8	0,84	0
IPR001905	440	4,11	645	6,03	20
IPR024791	737	4,11	346	1,93	2
IPR004088	1342	4,1	1461	4,47	33
IPR019265	8	4,1	0	0	0
IPR000111	214	4,09	414	7,91	20
IPR006068	658	4,09	1526	9,48	60
IPR000541	19	4,09	37	7,96	0
IPR000639	748	4,08	1182	6,44	52
IPR019152	8	4,08	29	14,8	0
IPR027236	14	4,07	180	52,33	4
IPR002326	109	4,06	212	7,9	4
IPR004106	245	4,06	113	1,87	1
IPR021829	16	4,05	160	40,51	4
IPR005522	59	4,05	409	28,09	8
IPR008872	3	4,05	0	0	0
IPR002327	107	4,04	228	8,61	4
IPR018785	4	4,04	0	0	0
IPR001374	230	4,03	611	10,71	19

IPR024096	176	4,03	614	14,05	13
IPR012348	658	4,03	298	1,82	4
IPR013833	736	4,03	348	1,91	2
IPR005983	11	4,03	1	0,37	0
IPR005442	20	4,02	84	16,87	1
IPR023302	231	4,02	63	1,1	0
IPR002420	48	4,01	191	15,97	3
IPR005031	233	4,01	199	3,43	4
IPR013171	87	4,01	4	0,18	0
IPR013746	123	4	255	8,3	8
IPR003672	101	4	0	0	0
IPR027914	4	4	0	0	0
IPR009854	2	4	0	0	0
IPR003982	1	4	0	0	0
IPR006797	48	3,99	407	33,83	8
IPR016167	1583	3,99	2749	6,92	139
IPR012341	1389	3,99	2735	7,86	114
IPR010376	81	3,99	82	4,04	2
IPR015892	300	3,99	219	2,91	6
IPR000298	745	3,99	358	1,92	2
IPR013665	9	3,96	185	81,5	3
IPR002470	251	3,96	73	1,15	0
IPR011329	3	3,95	72	94,74	3
IPR004177	39	3,95	277	28,04	9
IPR025993	48	3,95	32	2,63	0
IPR001764	688	3,94	1853	10,62	99
IPR002782	38	3,94	0	0	0
IPR007858	36	3,93	146	15,92	4
IPR006153	1350	3,93	1044	3,04	28
IPR001697	537	3,93	254	1,86	4
IPR005859	336	3,93	0	0	0
IPR010121	133	3,93	2	0,06	0
IPR000949	59	3,92	115	7,64	4
IPR013761	502	3,92	1203	9,4	31
IPR008984	808	3,92	2152	10,45	42
IPR006781	2	3,92	0	0	0
IPR023473	47	3,91	190	15,81	4
IPR023179	212	3,91	576	10,64	11
IPR011682	170	3,91	210	4,83	6
IPR022657	365	3,91	173	1,85	7
IPR002888	424	3,91	151	1,39	5
IPR005134	123	3,91	0	0	0
IPR001217	39	3,91	0	0	0
IPR015793	531	3,9	252	1,85	4
IPR008658	8	3,9	1	0,49	0
IPR019530	8	3,9	1	0,49	0
IPR006942	8	3,9	4	1,95	0
IPR000511	25	3,88	402	62,42	9
IPR014952	5	3,88	0	0	0
IPR001660	369	3,87	956	10,02	24



IPR024041	448	3,87	645	5,58	20
IPR001519	248	3,87	24	0,37	0
IPR002733	49	3,86	191	15,04	4
IPR017946	1046	3,86	2190	8,09	76
IPR002130	1515	3,86	2216	5,64	49
IPR018269	365	3,86	346	3,66	8
IPR024975	57	3,86	3	0,2	0
IPR007525	50	3,86	1	0,08	0
IPR001046	393	3,85	326	3,19	9
IPR021854	8	3,85	0	0	0
IPR021611	1	3,85	19	73,08	0
IPR011032	4245	3,84	9360	8,47	412
IPR013528	120	3,84	251	8,02	7
IPR006263	81	3,84	0	0	0
IPR022105	11	3,83	198	68,99	10
IPR015377	51	3,83	203	15,25	12
IPR023674	406	3,83	687	6,48	13
IPR028364	402	3,83	681	6,49	13
IPR004838	996	3,83	798	3,07	28
IPR004087	1729	3,83	1940	4,29	40
IPR027409	1043	3,82	2485	9,1	40
IPR010488	110	3,81	37	1,28	4
IPR002423	1222	3,81	2601	8,11	43
IPR005900	139	3,81	297	8,15	3
IPR009057	18977	3,81	8818	1,77	218
IPR020830	803	3,81	1359	6,45	5
IPR013149	3248	3,8	7389	8,65	324
IPR005269	397	3,8	218	2,09	5
IPR004044	723	3,8	209	1,1	4
IPR022803	398	3,79	435	4,14	8
IPR022953	408	3,79	285	2,65	5
IPR009738	10	3,79	0	0	0
IPR012878	108	3,78	147	5,14	11
IPR012502	7	3,78	1	0,54	0
IPR009297	44	3,77	97	8,32	5
IPR013578	54	3,77	151	10,54	3
IPR006094	1476	3,76	4089	10,4	224
IPR004695	225	3,76	601	10,04	18
IPR012875	37	3,76	191	19,43	2
IPR002132	375	3,75	434	4,34	8
IPR007128	11	3,74	181	61,56	4
IPR003123	75	3,74	558	27,79	12
IPR000198	366	3,74	1909	19,48	30
IPR006016	1560	3,74	368	0,88	8
IPR015794	478	3,73	229	1,79	4
IPR003097	239	3,72	1089	16,96	41
IPR006236	139	3,72	111	2,97	6
IPR024317	92	3,72	197	7,97	3
IPR005805	171	3,72	203	4,41	3
IPR022383	677	3,72	605	3,32	11

IPR027421	48	3,71	297	22,93	7
IPR001709	626	3,71	1579	9,35	52
IPR011993	1760	3,71	6469	13,62	130
IPR019316	16	3,71	0	0	0
IPR027057	49	3,7	234	17,67	4
IPR008979	2301	3,7	3567	5,74	171
IPR012336	10528	3,7	12947	4,56	330
IPR006342	162	3,69	23	0,52	4
IPR002562	607	3,69	479	2,91	11
IPR011809	38	3,69	0	0	0
IPR019362	9	3,69	1	0,41	0
IPR023173	232	3,68	1055	16,74	35
IPR015884	398	3,67	255	2,35	4
IPR006164	90	3,66	432	17,55	9
IPR009288	163	3,66	335	7,53	10
IPR026205	5	3,65	0	0	0
IPR023595	37	3,64	170	16,72	7
IPR002433	97	3,64	268	10,07	6
IPR026654	8	3,64	31	14,09	0
IPR002035	1641	3,63	2500	5,53	65
IPR014756	2751	3,63	4115	5,43	90
IPR022878	65	3,62	129	7,19	4
IPR015795	468	3,62	238	1,84	4
IPR012932	54	3,62	0	0	0
IPR005484	367	3,61	229	2,25	4
IPR005114	22	3,61	0	0	0
IPR014816	54	3,6	215	14,34	4
IPR002133	366	3,6	243	2,39	5
IPR004304	74	3,59	195	9,46	7
IPR005786	200	3,59	552	9,9	16
IPR000764	244	3,59	255	3,75	7
IPR015813	2695	3,59	1805	2,4	55
IPR020719	56	3,59	102	6,53	0
IPR008829	9	3,59	1	0,4	0
IPR013154	3128	3,58	7018	8,03	298
IPR001085	406	3,58	400	3,52	8
IPR022099	11	3,57	204	66,23	10
IPR012302	506	3,57	351	2,48	8
IPR024819	3	3,57	0	0	0
IPR002186	1	3,57	0	0	0
IPR018047	299	3,56	558	6,64	20
IPR023299	2001	3,56	3659	6,51	114
IPR024711	193	3,56	345	6,37	7
IPR002925	334	3,55	961	10,21	34
IPR000629	1149	3,55	3426	10,59	80
IPR000092	765	3,55	952	4,42	28
IPR003918	1003	3,55	148	0,52	1
IPR021851	19	3,54	277	51,68	8
IPR025782	16	3,54	135	29,87	5
IPR018181	953	3,54	1498	5,56	21

IPR003788	100	3,53	359	12,66	8
IPR010775	50	3,52	100	7,04	4
IPR022636	359	3,52	244	2,39	5
IPR007747	5	3,52	3	2,11	0
IPR022398	393	3,51	1680	15,02	95
IPR018028	365	3,51	746	7,18	22
IPR001525	458	3,51	385	2,95	13
IPR026157	4	3,51	0	0	0
IPR008928	2056	3,5	5047	8,58	216
IPR016098	211	3,5	214	3,55	4
IPR010979	750	3,5	537	2,51	12
IPR001133	551	3,5	137	0,87	1
IPR003563	9	3,5	15	5,84	0
IPR026656	7	3,5	83	41,5	0
IPR020835	390	3,49	774	6,92	22
IPR005225	4503	3,49	8419	6,53	160
IPR002625	402	3,49	547	4,76	12
IPR002909	182	3,49	221	4,24	4
IPR001179	1086	3,49	649	2,09	13
IPR005636	125	3,49	5	0,14	0
IPR027996	3	3,49	0	0	0
IPR005956	85	3,48	163	6,68	4
IPR013602	91	3,48	208	7,95	4
IPR018799	7	3,48	1	0,5	0
IPR000228	82	3,47	313	13,25	8
IPR005716	91	3,47	231	8,8	4
IPR015163	50	3,47	47	3,26	0
IPR004344	89	3,46	217	8,44	7
IPR000477	7426	3,46	2668	1,24	18
IPR024630	4	3,45	100	86,21	4
IPR001849	1162	3,45	5014	14,89	100
IPR020082	127	3,45	212	5,76	4
IPR004273	95	3,44	204	7,38	5
IPR002123	1226	3,44	1367	3,83	27
IPR022653	333	3,44	227	2,34	4
IPR020828	845	3,44	2067	8,4	5
IPR013216	1458	3,43	1847	4,35	62
IPR003131	157	3,43	124	2,71	3
IPR001757	2058	3,42	3862	6,42	123
IPR006317	89	3,42	207	7,96	4
IPR002610	414	3,42	369	3,05	7
IPR018086	784	3,42	237	1,03	1
IPR001683	358	3,41	2783	26,47	55
IPR016059	112	3,41	564	17,19	12
IPR027485	42	3,41	188	15,25	4
IPR028034	6	3,41	1	0,57	0
IPR024332	3	3,41	0	0	0
IPR002007	88	3,4	381	14,71	17
IPR016194	98	3,4	437	15,17	9
IPR008210	261	3,4	207	2,7	5

IPR010405	5	3,4	3	2,04	0
IPR011510	146	3,39	766	17,76	17
IPR000602	163	3,39	208	4,32	6
IPR001206	484	3,39	374	2,62	8
IPR011777	60	3,39	0	0	0
IPR012163	41	3,39	0	0	0
IPR013257	10	3,38	179	60,47	4
IPR021867	10	3,38	188	63,51	4
IPR007523	55	3,38	155	9,52	5
IPR011614	374	3,37	769	6,94	21
IPR000850	509	3,37	650	4,3	19
IPR004868	37	3,37	62	5,64	1
IPR015806	447	3,37	243	1,83	4
IPR018935	54	3,36	344	21,38	7
IPR024253	58	3,35	364	21,03	8
IPR015341	153	3,35	207	4,53	6
IPR018209	292	3,35	217	2,49	4
IPR012663	11	3,35	0	0	0
IPR010703	50	3,34	189	12,61	4
IPR006133	184	3,33	810	14,65	16
IPR020338	3	3,33	5	5,56	0
IPR000999	483	3,32	1161	7,99	26
IPR018472	4	3,31	2	1,65	1
IPR008250	1952	3,31	3969	6,73	122
IPR013024	304	3,31	685	7,46	19
IPR006251	39	3,31	0	0	0
IPR011410	4	3,31	0	0	0
IPR013780	1296	3,3	1582	4,03	62
IPR022272	162	3,3	9	0,18	0
IPR002745	77	3,29	223	9,52	4
IPR012301	465	3,29	353	2,5	8
IPR026669	7	3,29	8	3,76	0
IPR016094	339	3,28	576	5,58	13
IPR024743	93	3,28	206	7,27	3
IPR011044	272	3,27	821	9,87	23
IPR026791	65	3,27	205	10,3	4
IPR002641	680	3,27	1139	5,47	30
IPR000938	82	3,26	820	32,59	16
IPR023005	230	3,26	214	3,03	4
IPR027357	51	3,25	192	12,23	4
IPR013791	72	3,25	222	10,01	4
IPR006137	486	3,25	235	1,57	8
IPR001577	47	3,25	0	0	0
IPR010509	134	3,24	389	9,39	8
IPR018303	1833	3,23	3678	6,48	120
IPR016561	9	3,23	4	1,43	0
IPR000322	326	3,22	902	8,91	27
IPR000595	1445	3,21	745	1,65	19
IPR010708	46	3,21	20	1,4	0
IPR017937	1293	3,2	1262	3,13	38

IPR010243	638	3,2	0	0	0
IPR017754	48	3,2	0	0	0
IPR028089	4	3,2	0	0	0
IPR026885	6	3,19	140	74,47	5
IPR011545	3684	3,19	8654	7,49	175
IPR011054	1304	3,19	1223	2,99	30
IPR018503	56	3,19	0	0	0
IPR002226	251	3,18	526	6,66	13
IPR019545	41	3,18	9	0,7	1
IPR001236	609	3,18	616	3,21	10
IPR007434	51	3,18	1	0,06	0
IPR011641	44	3,17	7	0,5	0
IPR016093	74	3,16	802	34,26	13
IPR023797	77	3,16	329	13,51	8
IPR007065	60	3,15	174	9,13	4
IPR018528	221	3,15	36	0,51	0
IPR026581	10	3,15	1	0,32	0
IPR000720	9	3,14	0	0	0
IPR018355	132	3,13	412	9,78	12
IPR016095	314	3,13	472	4,71	8
IPR021109	5186	3,12	4204	2,53	82
IPR000620	2452	3,12	652	0,83	11
IPR007965	6	3,12	1	0,52	0
IPR005681	4	3,12	72	56,25	0
IPR004170	45	3,11	8	0,55	3
IPR015876	88	3,11	355	12,53	5
IPR012724	336	3,11	461	4,26	11
IPR000183	493	3,11	268	1,69	5
IPR019184	10	3,11	2	0,62	0
IPR018263	20	3,1	105	16,25	4
IPR012309	119	3,1	495	12,89	12
IPR018490	1471	3,1	733	1,54	16
IPR026891	284	3,09	1428	15,51	81
IPR027005	67	3,09	799	36,87	14
IPR001948	90	3,09	387	13,31	8
IPR001557	563	3,09	619	3,4	11
IPR027417	69775	3,08	89379	3,95	2036
IPR005936	369	3,08	424	3,54	8
IPR014241	104	3,08	14	0,41	0
IPR024963	10	3,08	1	0,31	0
IPR022088	6	3,08	2	1,03	0
IPR008948	1196	3,07	911	2,34	30
IPR008183	565	3,07	613	3,34	11
IPR013035	286	3,07	208	2,23	4
IPR000237	35	3,06	355	31,09	8
IPR014710	5147	3,06	4370	2,6	178
IPR001431	295	3,06	478	4,96	7
IPR013215	168	3,06	230	4,19	4
IPR007759	92	3,06	0	0	0
IPR027414	67	3,05	141	6,42	10

IPR027775	117	3,05	201	5,24	11
IPR027413	915	3,05	2319	7,74	38
IPR017482	41	3,05	0	0	0
IPR005829	2191	3,04	8977	12,45	490
IPR002008	45	3,04	280	18,93	7
IPR005303	119	3,04	405	10,34	18
IPR008259	190	3,04	571	9,14	26
IPR001650	5424	3,04	13906	7,8	303
IPR013110	22	3,03	200	27,51	4
IPR001075	221	3,03	219	3	4
IPR019332	5	3,03	0	0	0
IPR005477	228	3,02	1	0,01	0
IPR003557	112	3,02	0	0	0
IPR016166	2258	3,01	4389	5,85	242
IPR010919	27	3,01	1	0,11	0
IPR015158	8	3	193	72,28	4
IPR008775	150	3	989	19,76	61
IPR015507	159	3	584	11,03	12
IPR003392	95	3	188	5,93	5
IPR027302	319	3	219	2,06	5
IPR017997	6	3	3	1,5	0
IPR010582	258	2,99	645	7,48	18
IPR022629	296	2,99	238	2,41	5
IPR027513	4	2,99	5	3,73	0
IPR007379	98	2,98	223	6,77	6
IPR001765	350	2,98	491	4,18	12
IPR021131	327	2,98	635	5,79	11
IPR010796	15	2,98	3	0,6	0
IPR009020	176	2,97	1955	32,97	75
IPR011705	218	2,97	0	0	0
IPR003774	148	2,97	0	0	0
IPR011633	6	2,97	3	1,49	0
IPR007277	10	2,96	196	57,99	5
IPR005782	28	2,96	140	14,78	4
IPR025887	155	2,96	525	10,02	16
IPR023379	10	2,96	1	0,3	0
IPR008050	55	2,95	1543	82,69	13
IPR023471	49	2,95	202	12,18	4
IPR002843	68	2,95	221	9,59	4
IPR001282	302	2,95	243	2,37	5
IPR012846	264	2,95	216	2,42	4
IPR007474	101	2,95	1	0,03	0
IPR023203	49	2,95	0	0	0
IPR006802	11	2,95	2	0,54	0
IPR012957	10	2,95	0	0	0
IPR017984	26	2,94	165	18,64	4
IPR022675	296	2,94	242	2,4	5
IPR022631	290	2,94	237	2,41	5
IPR009861	1	2,94	1	2,94	0
IPR015115	1	2,94	2	5,88	0

IPR011051	3758	2,93	3847	3	162
IPR011197	36	2,93	3	0,24	0
IPR002761	47	2,92	217	13,46	5
IPR014001	5525	2,92	14160	7,48	308
IPR003111	305	2,92	456	4,36	12
IPR001564	281	2,92	258	2,68	4
IPR019516	4	2,92	0	0	0
IPR001375	453	2,91	902	5,79	32
IPR006026	214	2,91	134	1,82	9
IPR006003	33	2,9	192	16,87	4
IPR010920	1412	2,9	3539	7,27	71
IPR021777	4	2,9	1	0,72	0
IPR016169	2124	2,89	3897	5,31	210
IPR023214	6865	2,88	10154	4,26	289
IPR010828	15	2,87	402	77,01	12
IPR017714	40	2,87	125	8,97	4
IPR021163	40	2,87	190	13,62	4
IPR023358	79	2,87	375	13,62	7
IPR005482	569	2,87	798	4,03	22
IPR021134	119	2,87	292	7,05	4
IPR022630	285	2,87	237	2,39	5
IPR019151	57	2,87	88	4,44	0
IPR027831	5	2,87	0	0	0
IPR015131	2	2,86	68	97,14	3
IPR016315	6	2,86	132	62,86	2
IPR023210	1695	2,86	4833	8,15	168
IPR001395	1670	2,86	4657	7,97	164
IPR002657	254	2,86	204	2,29	5
IPR027154	2	2,86	0	0	0
IPR018888	2	2,86	0	0	0
IPR011017	52	2,85	157	8,61	4
IPR001666	26	2,84	18	1,97	0
IPR006606	5	2,84	0	0	0
IPR006642	9	2,83	51	16,04	2
IPR001589	81	2,83	360	12,57	8
IPR011042	1465	2,83	1938	3,75	88
IPR001086	252	2,83	195	2,19	4
IPR022768	12	2,83	3	0,71	0
IPR016518	43	2,82	106	6,96	9
IPR013594	43	2,82	206	13,53	5
IPR006048	242	2,82	216	2,52	6
IPR005856	328	2,82	0	0	0
IPR001368	78	2,82	5	0,18	0
IPR008597	6	2,82	0	0	0
IPR003231	353	2,81	219	1,74	4
IPR001189	433	2,8	917	5,94	114
IPR005935	80	2,8	213	7,45	4
IPR011764	594	2,8	820	3,86	22
IPR019306	4	2,8	1	0,7	0
IPR007867	422	2,79	2769	18,28	162

IPR012133	232	2,79	1051	12,62	52
IPR002934	451	2,79	609	3,76	10
IPR006287	115	2,79	27	0,66	0
IPR027007	38	2,78	137	10,04	4
IPR001533	94	2,78	174	5,14	5
IPR020587	419	2,78	346	2,29	4
IPR022683	34	2,78	35	2,86	0
IPR024349	1	2,78	0	0	0
IPR007325	126	2,77	401	8,81	18
IPR015902	1407	2,77	1367	2,69	47
IPR000172	404	2,76	2861	19,52	158
IPR008936	364	2,76	2627	19,94	46
IPR005108	17	2,76	0	0	0
IPR018050	87	2,75	200	6,31	4
IPR008893	116	2,75	176	4,18	4
IPR016064	711	2,74	934	3,6	20
IPR005256	89	2,74	145	4,47	2
IPR006424	449	2,74	436	2,66	4
IPR009800	4	2,74	0	0	0
IPR014990	2	2,74	4	5,48	0
IPR010935	204	2,73	837	11,2	16
IPR018020	58	2,73	158	7,45	4
IPR001807	427	2,73	547	3,5	17
IPR002033	209	2,73	0	0	0
IPR019832	422	2,72	910	5,86	108
IPR025705	132	2,72	361	7,44	12
IPR014743	436	2,72	554	3,46	17
IPR017782	121	2,72	242	5,44	5
IPR002192	263	2,72	33	0,34	0
IPR014878	31	2,72	0	0	0
IPR026201	4	2,72	1	0,68	0
IPR009327	59	2,71	153	7,04	4
IPR006259	235	2,71	288	3,33	3
IPR010203	94	2,71	0	0	0
IPR008805	6	2,71	1	0,45	0
IPR002190	48	2,7	360	20,22	14
IPR023631	589	2,7	2581	11,83	97
IPR020818	287	2,7	202	1,9	4
IPR004193	423	2,7	182	1,16	5
IPR002816	118	2,7	0	0	0
IPR001190	98	2,7	8	0,22	0
IPR000120	582	2,69	2561	11,84	98
IPR019401	41	2,69	161	10,55	4
IPR026569	40	2,69	191	12,86	3
IPR003333	222	2,69	416	5,03	16
IPR022644	522	2,69	276	1,42	6
IPR027086	8	2,69	0	0	0
IPR026755	5	2,69	0	0	0
IPR010839	48	2,68	228	12,74	20
IPR015946	1680	2,68	99	0,16	4



IPR026170	16	2,68	4	0,67	0
IPR001406	305	2,67	466	4,08	8
IPR006206	288	2,67	431	3,99	7
IPR000323	18	2,67	2	0,3	0
IPR001180	68	2,66	816	31,96	16
IPR003746	91	2,66	72	2,11	4
IPR000073	1378	2,65	2373	4,56	92
IPR001998	92	2,65	5	0,14	0
IPR006414	15	2,64	528	92,79	21
IPR014720	1146	2,64	1509	3,47	33
IPR020095	301	2,64	450	3,95	8
IPR012904	33	2,63	194	15,45	4
IPR005097	187	2,63	499	7,02	16
IPR000933	93	2,63	96	2,71	6
IPR015947	1333	2,63	1967	3,87	53
IPR000652	350	2,63	306	2,3	8
IPR022674	253	2,63	235	2,44	4
IPR009886	32	2,63	0	0	0
IPR009782	2	2,63	0	0	0
IPR005959	55	2,62	209	9,95	13
IPR005824	595	2,62	920	4,06	15
IPR020097	299	2,62	460	4,03	8
IPR015934	185	2,62	0	0	0
IPR001345	428	2,61	657	4,01	10
IPR019347	11	2,61	1	0,24	0
IPR010164	62	2,6	239	10,03	4
IPR005019	206	2,6	0	0	0
IPR022778	6	2,6	9	3,9	0
IPR026246	2	2,6	0	0	0
IPR028088	8	2,59	168	54,37	4
IPR002891	147	2,59	329	5,79	7
IPR020040	260	2,59	460	4,58	8
IPR008381	8	2,58	167	53,87	5
IPR013893	7	2,58	129	47,6	4
IPR020094	289	2,58	455	4,07	8
IPR019831	391	2,57	842	5,54	114
IPR009036	594	2,57	1673	7,24	32
IPR026983	132	2,57	292	5,68	7
IPR002471	102	2,57	169	4,26	0
IPR010167	79	2,57	0	0	0
IPR019034	7	2,56	158	57,88	3
IPR021986	8	2,56	170	54,49	1
IPR013954	53	2,56	210	10,13	6
IPR025308	280	2,56	273	2,5	4
IPR022196	2	2,56	0	0	0
IPR005708	48	2,55	267	14,17	15
IPR006650	68	2,55	323	12,12	9
IPR001381	131	2,55	368	7,17	15
IPR012766	56	2,55	198	9,02	4
IPR013517	70	2,55	5	0,18	0

IPR028118	5	2,55	0	0	0
IPR019833	337	2,54	491	3,7	62
IPR013122	37	2,54	75	5,14	4
IPR000572	213	2,54	819	9,78	22
IPR003712	42	2,54	93	5,62	4
IPR000702	253	2,54	454	4,55	8
IPR020588	587	2,54	725	3,14	11
IPR001486	86	2,54	2	0,06	0
IPR023603	83	2,53	264	8,05	6
IPR016639	103	2,53	379	9,31	7
IPR008532	128	2,53	358	7,08	7
IPR006407	158	2,53	173	2,77	4
IPR008218	52	2,52	201	9,74	4
IPR010997	342	2,52	709	5,22	14
IPR016082	234	2,52	450	4,84	9
IPR016071	192	2,52	324	4,26	6
IPR001848	246	2,52	396	4,06	7
IPR022628	249	2,52	235	2,37	4
IPR001844	323	2,52	331	2,59	4
IPR008778	130	2,51	213	4,1	6
IPR001441	287	2,51	481	4,21	9
IPR015955	695	2,51	608	2,2	11
IPR017927	1209	2,5	4235	8,75	146
IPR016305	97	2,5	287	7,4	9
IPR015443	264	2,5	360	3,41	8
IPR027486	255	2,5	414	4,05	8
IPR002912	1029	2,5	439	1,07	10
IPR002956	1	2,5	0	0	0
IPR009770	75	2,49	68	2,26	4
IPR027291	165	2,49	208	3,14	6
IPR018189	253	2,49	228	2,24	5
IPR007884	5	2,49	0	0	0
IPR000560	180	2,48	1454	20,07	42
IPR018944	45	2,48	296	16,33	7
IPR004254	235	2,48	620	6,54	11
IPR005822	253	2,48	454	4,46	9
IPR005886	286	2,48	284	2,46	4
IPR003011	4	2,47	20	12,35	4
IPR007213	141	2,47	361	6,32	17
IPR009068	899	2,47	444	1,22	8
IPR023150	563	2,47	226	0,99	4
IPR012779	97	2,47	0	0	0
IPR004966	2	2,47	0	0	0
IPR006172	188	2,46	880	11,54	17
IPR020059	137	2,46	455	8,17	8
IPR019796	201	2,46	214	2,62	4
IPR018370	276	2,46	193	1,72	5
IPR000591	75	2,45	794	25,9	17
IPR012340	8751	2,45	11560	3,24	221
IPR005181	135	2,45	4	0,07	0

IPR003567	132	2,45	0	0	0
IPR019579	5	2,45	2	0,98	0
IPR012132	227	2,44	2013	21,63	123
IPR001962	260	2,44	507	4,76	24
IPR024708	186	2,44	577	7,56	16
IPR024873	74	2,44	205	6,77	4
IPR000941	309	2,44	287	2,27	5
IPR020471	904	2,43	2457	6,6	81
IPR002373	75	2,43	236	7,65	5
IPR008977	22	2,43	2	0,22	0
IPR003302	6	2,43	3	1,21	0
IPR011013	1255	2,42	2121	4,1	79
IPR001247	406	2,42	1167	6,95	22
IPR014947	3	2,42	0	0	0
IPR015847	395	2,41	903	5,5	18
IPR016084	266	2,41	578	5,24	12
IPR006336	104	2,41	3	0,07	0
IPR007000	11	2,41	0	0	0
IPR024521	9	2,41	3	0,8	0
IPR018812	4	2,4	148	88,62	4
IPR005787	55	2,4	189	8,25	3
IPR005500	39	2,4	0	0	0
IPR024546	11	2,39	211	45,77	4
IPR022830	58	2,39	169	6,97	4
IPR006214	292	2,39	320	2,61	8
IPR005825	209	2,39	228	2,61	4
IPR023673	217	2,39	238	2,62	4
IPR000597	247	2,38	431	4,16	9
IPR011763	419	2,38	437	2,48	10
IPR018146	196	2,38	234	2,84	5
IPR003821	156	2,38	0	0	0
IPR010996	66	2,37	429	15,43	12
IPR000432	426	2,37	1134	6,31	25
IPR012310	141	2,36	696	11,63	16
IPR000594	526	2,36	1559	6,99	31
IPR023564	240	2,36	455	4,47	9
IPR009000	2939	2,36	7598	6,11	99
IPR011037	534	2,36	600	2,65	19
IPR013111	33	2,36	18	1,28	0
IPR010844	14	2,36	0	0	0
IPR019416	6	2,35	150	58,82	4
IPR019808	204	2,35	478	5,51	12
IPR014782	268	2,35	681	5,97	14
IPR019798	242	2,35	372	3,61	8
IPR004161	2154	2,35	5966	6,5	62
IPR004788	170	2,35	213	2,95	4
IPR017448	85	2,35	0	0	0
IPR006288	8	2,35	6	1,76	0
IPR017584	7	2,35	0	0	0
IPR022684	53	2,34	205	9,04	13

IPR007342	57	2,34	173	7,11	5
IPR013823	221	2,34	196	2,07	4
IPR019926	208	2,34	318	3,57	4
IPR020810	296	2,34	282	2,23	4
IPR011697	142	2,34	0	0	0
IPR022271	91	2,33	17	0,44	1
IPR019336	7	2,33	0	0	0
IPR007632	40	2,32	256	14,87	9
IPR017938	1328	2,32	3968	6,93	130
IPR004539	194	2,32	1125	13,44	16
IPR004307	59	2,32	114	4,49	4
IPR016164	531	2,32	849	3,71	33
IPR003285	6	2,31	239	91,92	4
IPR005334	25	2,31	155	14,34	4
IPR008147	396	2,31	354	2,06	15
IPR004176	466	2,31	217	1,07	4
IPR009030	393	2,31	89	0,52	1
IPR023413	43	2,31	1	0,05	0
IPR024437	3	2,31	0	0	0
IPR007696	367	2,3	1132	7,09	24
IPR017568	206	2,3	130	1,45	4
IPR026764	2	2,3	0	0	0
IPR004299	216	2,29	831	8,83	21
IPR005913	175	2,29	186	2,44	8
IPR004129	466	2,29	642	3,16	19
IPR024083	854	2,29	857	2,29	23
IPR003385	131	2,29	0	0	0
IPR005966	50	2,29	0	0	0
IPR014123	5	2,29	0	0	0
IPR001300	66	2,27	428	14,74	20
IPR005654	118	2,27	316	6,08	9
IPR027031	85	2,27	249	6,64	4
IPR024060	64	2,27	186	6,6	3
IPR011237	589	2,27	1396	5,39	27
IPR024169	135	2,27	139	2,34	4
IPR014784	19	2,27	2	0,24	0
IPR012816	49	2,26	183	8,44	8
IPR016040	22019	2,26	53311	5,46	2164
IPR015883	147	2,26	398	6,13	13
IPR017906	45	2,26	196	9,83	4
IPR023211	178	2,26	720	9,12	15
IPR006122	129	2,26	214	3,75	11
IPR018038	113	2,26	229	4,58	4
IPR000965	168	2,26	188	2,52	4
IPR006015	674	2,26	225	0,76	4
IPR024882	4	2,26	14	7,91	0
IPR011765	473	2,25	1282	6,11	26
IPR026351	8	2,25	3	0,84	0
IPR027974	9	2,24	222	55,36	8
IPR002478	270	2,24	907	7,52	18

IPR004589	249	2,24	428	3,85	12
IPR001790	230	2,24	490	4,77	8
IPR000266	220	2,24	405	4,13	8
IPR018967	33	2,24	2	0,14	0
IPR021047	12	2,23	508	94,25	19
IPR006134	200	2,23	860	9,59	18
IPR007472	48	2,23	191	8,89	4
IPR023574	224	2,23	443	4,4	8
IPR020593	160	2,23	123	1,71	4
IPR011767	217	2,23	210	2,16	4
IPR008066	7	2,23	0	0	0
IPR019340	7	2,22	194	61,39	4
IPR010569	45	2,22	196	9,67	4
IPR001930	268	2,22	664	5,49	14
IPR017941	650	2,22	834	2,84	28
IPR014717	271	2,22	386	3,16	8
IPR001854	212	2,22	226	2,37	4
IPR013644	143	2,22	0	0	0
IPR020611	5	2,22	0	0	0
IPR022162	3	2,22	0	0	0
IPR019560	7	2,21	160	50,47	5
IPR000873	2413	2,21	7224	6,61	242
IPR016125	86	2,21	152	3,9	4
IPR020929	175	2,21	220	2,78	4
IPR000566	150	2,21	32	0,47	3
IPR000262	249	2,2	1060	9,38	53
IPR003877	207	2,2	622	6,62	16
IPR017593	46	2,2	84	4,02	1
IPR018117	211	2,2	188	1,96	4
IPR014436	81	2,19	120	3,24	12
IPR022682	40	2,19	171	9,36	5
IPR001094	235	2,19	719	6,72	17
IPR000641	54	2,19	164	6,65	4
IPR005079	39	2,19	127	7,15	2
IPR022643	395	2,19	275	1,52	5
IPR008013	4	2,19	0	0	0
IPR017964	141	2,18	699	10,81	14
IPR022697	39	2,18	204	11,43	4
IPR002073	67	2,18	226	7,34	4
IPR013078	948	2,18	2283	5,25	49
IPR010614	168	2,18	409	5,3	7
IPR001078	438	2,18	588	2,93	17
IPR001107	609	2,18	826	2,95	20
IPR019939	13	2,17	0	0	0
IPR018737	3	2,17	0	0	0
IPR016196	9657	2,16	43512	9,73	2249
IPR000754	216	2,16	408	4,08	9
IPR006696	104	2,16	63	1,31	3
IPR006180	168	2,16	166	2,14	4
IPR019797	160	2,16	219	2,96	4

IPR001216	344	2,16	511	3,2	7
IPR023088	54	2,16	97	3,89	0
IPR024571	99	2,15	445	9,68	8
IPR000795	2388	2,15	12601	11,37	92
IPR002136	216	2,15	442	4,41	8
IPR002589	181	2,15	322	3,82	7
IPR024057	10	2,15	1	0,21	0
IPR027497	2	2,15	0	0	0
IPR004988	2	2,15	0	0	0
IPR012588	8	2,14	190	50,94	4
IPR020845	1799	2,14	5264	6,25	205
IPR001910	262	2,14	428	3,5	16
IPR011038	376	2,14	131	0,75	7
IPR013099	256	2,14	247	2,07	4
IPR000337	85	2,14	10	0,25	0
IPR020583	298	2,13	482	3,44	12
IPR001678	326	2,13	654	4,26	13
IPR015896	118	2,13	0	0	0
IPR013788	21	2,13	7	0,71	0
IPR010482	17	2,12	566	70,49	11
IPR001736	577	2,12	866	3,19	25
IPR000911	209	2,12	428	4,33	8
IPR020809	232	2,12	265	2,42	4
IPR004468	218	2,12	272	2,64	4
IPR017282	4	2,11	150	78,95	4
IPR007863	524	2,11	1281	5,17	25
IPR020783	208	2,11	424	4,31	7
IPR018946	63	2,1	401	13,35	19
IPR020550	217	2,1	447	4,32	12
IPR002315	75	2,1	245	6,87	4
IPR008274	260	2,1	162	1,31	6
IPR001057	226	2,1	219	2,03	4
IPR018710	39	2,1	0	0	0
IPR028235	3	2,1	1	0,7	0
IPR016035	953	2,09	4919	10,78	231
IPR002524	509	2,09	1340	5,52	34
IPR003698	142	2,09	147	2,17	4
IPR006276	105	2,09	200	3,99	3
IPR005944	43	2,09	64	3,1	0
IPR002198	3745	2,08	14652	8,13	665
IPR001544	436	2,08	836	3,99	34
IPR027469	503	2,08	1284	5,32	32
IPR020045	315	2,08	875	5,76	18
IPR000971	170	2,08	302	3,69	10
IPR004522	146	2,08	427	6,08	8
IPR004839	2202	2,08	3464	3,27	104
IPR000223	349	2,08	368	2,19	8
IPR008962	656	2,08	256	0,81	4
IPR026877	134	2,08	0	0	0
IPR000956	10	2,08	0	0	0

IPR004138	1	2,08	0	0	0
IPR000374	263	2,07	539	4,25	12
IPR001017	359	2,07	616	3,55	14
IPR027408	325	2,07	520	3,31	12
IPR000816	75	2,07	87	2,4	3
IPR002930	180	2,07	201	2,32	4
IPR000711	187	2,07	199	2,2	4
IPR018297	75	2,07	2	0,06	0
IPR002054	40	2,06	288	14,82	5
IPR002828	124	2,06	398	6,61	12
IPR001140	1831	2,06	3774	4,24	153
IPR021884	5	2,06	36	14,81	0
IPR026686	2	2,06	0	0	0
IPR002347	3860	2,05	14392	7,63	650
IPR002838	71	2,05	267	7,7	8
IPR003124	53	2,05	445	17,17	6
IPR001602	94	2,05	152	3,31	4
IPR023186	236	2,05	349	3,04	9
IPR015760	210	2,05	413	4,03	8
IPR017453	138	2,05	191	2,83	4
IPR000811	195	2,05	195	2,05	4
IPR009563	8	2,05	17	4,35	0
IPR022656	11	2,04	235	43,68	4
IPR002591	138	2,04	730	10,79	14
IPR006114	209	2,04	332	3,25	5
IPR005398	4	2,04	5	2,55	0
IPR018568	1	2,04	0	0	0
IPR006047	1011	2,03	1301	2,61	49
IPR007373	83	2,03	180	4,41	4
IPR028073	4	2,03	0	0	0
IPR027470	220	2,02	451	4,14	20
IPR018973	51	2,02	174	6,88	4
IPR002161	55	2,02	205	7,55	4
IPR018214	106	2,02	0	0	0
IPR016017	10	2,02	0	0	0
IPR007484	194	2,01	1514	15,67	68
IPR008076	33	2,01	92	5,6	4
IPR006357	179	2,01	667	7,5	10
IPR020784	197	2,01	425	4,33	8
IPR027295	277	2,01	316	2,29	8
IPR002028	157	2,01	259	3,31	4
IPR005764	156	2,01	177	2,28	4
IPR020861	217	2,01	208	1,93	4
IPR019170	4	2,01	1	0,5	0
IPR007695	199	2	737	7,42	17
IPR014824	51	2	216	8,48	4
IPR019080	73	2	0	0	0
IPR001080	57	2	0	0	0
IPR028229	1	2	0	0	0
IPR017446	414	1,99	698	3,36	24

IPR011057	372	1,98	1840	9,81	87
IPR019651	5	1,98	9	3,56	1
IPR001155	414	1,98	1378	6,6	45
IPR007471	41	1,98	165	7,97	4
IPR006597	470	1,98	1218	5,12	27
IPR003782	99	1,98	225	4,51	5
IPR011257	742	1,98	1030	2,75	31
IPR016833	72	1,98	146	4,01	3
IPR001763	1102	1,98	1881	3,39	40
IPR026015	167	1,98	198	2,35	4
IPR023201	239	1,98	282	2,34	3
IPR002762	62	1,98	0	0	0
IPR005331	55	1,98	0	0	0
IPR011722	53	1,98	123	4,6	0
IPR006426	149	1,97	275	3,64	16
IPR010298	57	1,97	0	0	0
IPR014923	7	1,97	0	0	0
IPR013886	6	1,96	194	63,4	4
IPR008594	8	1,96	234	57,21	4
IPR024371	9	1,96	202	43,91	4
IPR016031	71	1,96	239	6,6	8
IPR023267	298	1,96	649	4,28	13
IPR006168	208	1,96	340	3,2	5
IPR026442	2	1,96	0	0	0
IPR020501	1	1,96	0	0	0
IPR027992	46	1,95	209	8,86	4
IPR014718	694	1,95	1353	3,81	53
IPR000537	410	1,95	691	3,28	29
IPR000184	257	1,95	228	1,73	4
IPR002208	235	1,95	281	2,34	3
IPR000815	16	1,95	0	0	0
IPR000760	386	1,94	623	3,13	17
IPR011603	135	1,94	256	3,67	6
IPR001656	77	1,94	220	5,53	3
IPR012284	137	1,94	267	3,79	4
IPR001708	233	1,94	391	3,25	5
IPR017456	189	1,94	257	2,64	4
IPR023247	2	1,94	0	0	0
IPR011583	147	1,93	1819	23,94	63
IPR002938	647	1,93	4812	14,34	246
IPR001260	78	1,93	223	5,53	7
IPR011258	115	1,93	159	2,66	4
IPR014719	293	1,93	265	1,74	8
IPR020574	184	1,93	360	3,77	5
IPR000014	2464	1,93	1859	1,46	56
IPR002579	199	1,93	200	1,94	4
IPR007869	4	1,93	153	73,91	0
IPR012959	7	1,92	183	50,27	4
IPR007318	74	1,92	385	10	11
IPR008554	42	1,92	148	6,76	5



IPR011527	2014	1,92	4186	4	169
IPR023115	190	1,92	404	4,09	8
IPR023096	111	1,92	217	3,76	4
IPR019494	35	1,92	0	0	0
IPR002038	2	1,92	1	0,96	0
IPR027705	79	1,91	99	2,39	4
IPR003593	18701	1,91	20455	2,09	566
IPR009651	37	1,91	0	0	0
IPR026305	3	1,91	1	0,64	0
IPR013087	1415	1,9	7730	10,37	189
IPR020781	98	1,9	123	2,38	4
IPR020811	224	1,9	279	2,36	5
IPR001940	413	1,9	166	0,77	4
IPR003425	145	1,9	0	0	0
IPR002446	69	1,9	1	0,03	0
IPR017736	22	1,9	1	0,09	0
IPR013562	46	1,89	212	8,71	4
IPR010286	50	1,89	164	6,19	4
IPR027034	1	1,89	52	98,11	0
IPR001365	149	1,88	808	10,18	27
IPR002629	168	1,88	394	4,4	15
IPR002755	50	1,88	224	8,44	4
IPR006205	67	1,88	212	5,94	5
IPR000343	108	1,88	0	0	0
IPR006249	102	1,88	0	0	0
IPR003692	51	1,87	438	16,06	21
IPR000851	198	1,87	430	4,07	8
IPR019533	110	1,87	41	0,7	0
IPR003404	7	1,87	15	4	0
IPR011827	22	1,86	24	2,03	2
IPR002634	174	1,86	519	5,55	12
IPR024084	710	1,86	1378	3,61	31
IPR012000	536	1,86	1075	3,74	21
IPR015895	111	1,86	0	0	0
IPR002350	87	1,86	11	0,24	0
IPR026461	9	1,86	0	0	0
IPR027083	4	1,85	187	86,57	4
IPR007860	174	1,85	856	9,11	17
IPR011339	65	1,85	187	5,32	4
IPR006282	82	1,85	135	3,05	4
IPR000808	125	1,85	307	4,54	5
IPR010995	118	1,85	309	4,84	4
IPR009428	3	1,85	0	0	0
IPR022449	3	1,85	0	0	0
IPR022751	17	1,84	689	74,57	16
IPR023375	27	1,84	164	11,2	13
IPR005221	96	1,84	679	13,02	13
IPR005324	187	1,84	430	4,23	9
IPR006109	193	1,84	327	3,12	5
IPR024934	161	1,84	0	0	0

IPR027511	2	1,83	45	41,28	2
IPR013650	141	1,83	526	6,84	12
IPR005479	638	1,83	1220	3,49	33
IPR011249	581	1,83	1395	4,39	27
IPR023563	133	1,83	239	3,3	6
IPR000544	95	1,83	185	3,57	3
IPR023193	160	1,83	151	1,73	4
IPR012674	302	1,83	152	0,92	7
IPR003451	127	1,83	2	0,03	0
IPR024935	106	1,83	0	0	0
IPR007940	5	1,83	0	0	0
IPR007866	4	1,83	1	0,46	0
IPR026511	4	1,83	0	0	0
IPR023099	4	1,83	5	2,29	0
IPR028171	2	1,83	0	0	0
IPR019479	189	1,82	420	4,05	8
IPR009027	184	1,82	385	3,8	8
IPR006097	220	1,82	215	1,78	6
IPR022896	164	1,82	192	2,13	4
IPR013512	117	1,82	0	0	0
IPR016299	109	1,82	0	0	0
IPR019501	2	1,82	0	0	0
IPR009153	1	1,82	0	0	0
IPR003042	732	1,81	4972	12,28	250
IPR015416	15	1,81	179	21,59	3
IPR024705	36	1,81	105	5,27	4
IPR009097	151	1,81	387	4,64	15
IPR018314	149	1,81	378	4,6	9
IPR015424	5488	1,81	9787	3,23	292
IPR006074	167	1,81	384	4,16	8
IPR011760	69	1,81	216	5,66	3
IPR018520	183	1,81	256	2,53	4
IPR005835	820	1,81	546	1,21	8
IPR004383	156	1,81	4	0,05	0
IPR015197	3	1,81	0	0	0
IPR007269	47	1,8	326	12,5	7
IPR001433	734	1,8	2237	5,49	78
IPR024077	173	1,8	553	5,76	17
IPR001870	171	1,8	609	6,41	13
IPR011548	32	1,8	58	3,26	2
IPR020785	141	1,8	160	2,04	3
IPR024601	71	1,8	0	0	0
IPR026068	7	1,8	12	3,09	0
IPR026619	2	1,8	0	0	0
IPR025110	1358	1,79	3771	4,98	108
IPR002994	50	1,79	198	7,07	4
IPR006095	218	1,79	288	2,37	9
IPR006058	497	1,79	461	1,66	14
IPR003726	162	1,79	213	2,36	4
IPR018706	6	1,79	0	0	0

IPR026509	2	1,79	0	0	0
IPR017233	2	1,79	0	0	0
IPR008008	1	1,79	0	0	0
IPR022396	1	1,79	0	0	0
IPR012860	4	1,78	194	86,22	4
IPR012001	609	1,78	1091	3,19	22
IPR001196	147	1,78	204	2,47	4
IPR007581	45	1,78	12	0,47	0
IPR013518	29	1,78	0	0	0
IPR017136	10	1,78	9	1,6	0
IPR009790	4	1,78	0	0	0
IPR013182	2	1,77	110	97,35	6
IPR012292	261	1,77	435	2,95	14
IPR006379	761	1,77	583	1,36	12
IPR005517	274	1,76	761	4,89	16
IPR022967	1347	1,76	1462	1,91	32
IPR027401	35	1,75	207	10,37	4
IPR007861	162	1,75	730	7,87	18
IPR007865	89	1,75	412	8,09	9
IPR000672	176	1,75	418	4,15	8
IPR000644	1552	1,75	1726	1,95	40
IPR027471	64	1,75	0	0	0
IPR007454	64	1,75	0	0	0
IPR002804	9	1,75	0	0	0
IPR015815	341	1,74	799	4,09	44
IPR019591	163	1,74	550	5,86	12
IPR005493	112	1,74	262	4,07	8
IPR011035	222	1,74	459	3,59	8
IPR006982	122	1,74	196	2,8	4
IPR023632	121	1,74	186	2,67	4
IPR005715	133	1,74	220	2,87	4
IPR006338	8	1,74	0	0	0
IPR019601	6	1,73	199	57,51	4
IPR011041	137	1,73	257	3,24	14
IPR004879	39	1,73	114	5,05	4
IPR015421	5123	1,73	9606	3,24	286
IPR002645	530	1,73	774	2,53	28
IPR000682	114	1,73	139	2,11	4
IPR001714	331	1,73	443	2,32	9
IPR000674	193	1,73	154	1,38	5
IPR002139	284	1,73	218	1,33	4
IPR010934	203	1,73	116	0,99	1
IPR005747	89	1,73	0	0	0
IPR007466	63	1,73	52	1,42	0
IPR018639	36	1,73	0	0	0
IPR013621	8	1,73	0	0	0
IPR025595	4	1,73	0	0	0
IPR003445	220	1,72	458	3,59	12
IPR009078	1132	1,72	811	1,23	17
IPR027265	152	1,72	0	0	0

IPR019940	9	1,72	0	0	0
IPR025205	1	1,72	0	0	0
IPR016525	1	1,72	27	46,55	0
IPR013252	4	1,71	178	76,07	4
IPR017359	5	1,71	99	33,9	3
IPR019818	317	1,71	1195	6,46	28
IPR007807	48	1,71	211	7,51	4
IPR006383	209	1,71	448	3,67	13
IPR004154	615	1,71	2013	5,61	37
IPR020631	174	1,71	458	4,51	7
IPR013805	165	1,71	191	1,98	4
IPR002569	220	1,71	206	1,6	4
IPR014955	7	1,71	0	0	0
IPR004773	5	1,7	289	98,3	4
IPR020630	170	1,7	459	4,58	8
IPR000740	170	1,7	192	1,92	5
IPR004487	159	1,7	171	1,83	4
IPR016175	2131	1,7	794	0,63	22
IPR026319	10	1,7	1	0,17	0
IPR021196	43	1,69	198	7,76	4
IPR006096	212	1,69	427	3,41	12
IPR012020	72	1,69	267	6,25	4
IPR002077	19	1,69	46	4,08	1
IPR011128	192	1,69	355	3,13	9
IPR011907	160	1,69	259	2,73	5
IPR000131	159	1,69	208	2,21	5
IPR020119	56	1,69	106	3,2	0
IPR002492	27	1,69	643	40,29	0
IPR003929	13	1,69	8	1,04	0
IPR000400	4	1,69	5	2,11	0
IPR014954	3	1,69	0	0	0
IPR014346	1	1,69	0	0	0
IPR011023	51	1,68	213	7,01	5
IPR016151	172	1,68	552	5,39	13
IPR018298	70	1,68	191	4,6	4
IPR003016	435	1,68	794	3,07	23
IPR001310	293	1,68	742	4,26	16
IPR007371	87	1,68	190	3,67	4
IPR006204	507	1,68	1018	3,38	15
IPR020057	81	1,68	0	0	0
IPR025934	6	1,68	0	0	0
IPR019154	9	1,67	303	56,11	7
IPR018392	747	1,67	1122	2,51	81
IPR017440	126	1,67	359	4,76	12
IPR014189	51	1,67	130	4,25	5
IPR023534	46	1,67	205	7,45	4
IPR013115	61	1,67	194	5,31	4
IPR023633	158	1,67	208	2,2	5
IPR019539	102	1,67	213	3,48	3
IPR012725	166	1,67	219	2,2	4

IPR023577	154	1,67	277	3	4
IPR025883	16	1,67	0	0	0
IPR012493	3	1,67	0	0	0
IPR011146	437	1,66	1689	6,41	36
IPR001721	70	1,66	194	4,59	4
IPR020056	209	1,66	456	3,62	8
IPR020867	128	1,66	244	3,17	3
IPR013539	67	1,66	0	0	0
IPR026283	31	1,66	7	0,37	0
IPR022096	5	1,66	0	0	0
IPR002523	280	1,65	1448	8,52	58
IPR005651	74	1,65	199	4,44	5
IPR018369	147	1,65	170	1,91	4
IPR016449	27	1,65	0	0	0
IPR007859	42	1,64	203	7,95	4
IPR023586	34	1,64	149	7,17	2
IPR013810	172	1,64	429	4,1	8
IPR000523	132	1,64	0	0	0
IPR002364	149	1,63	453	4,95	18
IPR000659	83	1,63	225	4,43	6
IPR000994	630	1,63	1710	4,42	41
IPR007862	157	1,63	366	3,79	8
IPR015911	139	1,63	196	2,29	4
IPR003358	151	1,63	194	2,09	3
IPR001328	150	1,63	199	2,17	3
IPR011254	72	1,63	32	0,72	0
IPR003117	24	1,63	127	8,64	0
IPR024080	127	1,62	343	4,38	12
IPR014883	46	1,62	139	4,88	4
IPR010158	81	1,62	176	3,52	6
IPR009012	159	1,62	192	1,95	5
IPR027625	4	1,62	0	0	0
IPR028074	3	1,62	0	0	0
IPR011024	38	1,61	53	2,25	4
IPR001926	1006	1,61	2088	3,35	64
IPR011546	144	1,61	214	2,4	4
IPR003808	96	1,61	0	0	0
IPR022927	56	1,61	0	0	0
IPR004323	55	1,61	8	0,23	0
IPR003703	85	1,6	430	8,1	14
IPR016161	1557	1,6	3926	4,03	132
IPR006005	54	1,6	194	5,74	4
IPR005475	641	1,6	993	2,47	26
IPR010652	52	1,6	0	0	0
IPR027859	3	1,6	0	0	0
IPR012582	2	1,6	3	2,4	0
IPR022137	6	1,59	94	24,87	9
IPR002099	157	1,59	776	7,86	14
IPR002908	49	1,59	217	7,04	4
IPR002740	46	1,59	142	4,9	3

IPR004033	122	1,59	240	3,13	6
IPR011256	278	1,59	1	0,01	0
IPR002666	7	1,59	8	1,81	0
IPR008754	15	1,58	284	29,99	28
IPR021836	9	1,58	132	23,24	4
IPR015590	1395	1,58	3613	4,09	122
IPR000583	431	1,58	999	3,65	31
IPR001972	333	1,58	313	1,48	9
IPR001911	133	1,58	187	2,22	3
IPR013017	59	1,58	0	0	0
IPR018375	56	1,58	132	3,72	0
IPR018797	5	1,58	0	0	0
IPR024545	2	1,57	122	96,06	4
IPR000101	144	1,57	489	5,33	15
IPR021150	46	1,57	198	6,75	4
IPR006073	1332	1,57	2889	3,41	56
IPR011611	918	1,57	901	1,55	24
IPR007235	188	1,57	194	1,62	4
IPR026251	63	1,57	0	0	0
IPR008254	516	1,56	1429	4,32	41
IPR018150	490	1,56	1378	4,38	31
IPR013520	556	1,56	1181	3,3	28
IPR011541	87	1,56	136	2,44	4
IPR002121	198	1,56	356	2,81	8
IPR006361	99	1,56	199	3,14	4
IPR001015	120	1,56	202	2,62	4
IPR010719	43	1,56	0	0	0
IPR004947	9	1,56	0	0	0
IPR004021	2	1,56	0	0	0
IPR002410	85	1,55	292	5,33	13
IPR001041	898	1,55	844	1,46	22
IPR006043	565	1,55	430	1,18	15
IPR004896	13	1,54	4	0,48	1
IPR000326	469	1,54	1325	4,36	31
IPR004305	97	1,54	365	5,8	6
IPR015422	3815	1,54	7581	3,05	229
IPR018300	188	1,54	357	2,92	11
IPR017439	281	1,54	334	1,83	12
IPR026285	12	1,54	51	6,54	0
IPR017046	3	1,53	95	48,47	4
IPR004808	173	1,53	457	4,05	91
IPR012312	169	1,53	440	3,97	22
IPR016142	230	1,53	630	4,18	19
IPR011778	46	1,53	61	2,02	3
IPR003265	421	1,53	939	3,42	26
IPR011053	858	1,53	1723	3,07	46
IPR001055	72	1,53	204	4,33	4
IPR005476	519	1,53	699	2,06	19
IPR010073	54	1,53	187	5,29	2
IPR000257	126	1,53	204	2,48	4

IPR018171	135	1,53	149	1,69	3
IPR010456	143	1,53	94	1,01	1
IPR027363	43	1,52	144	5,09	5
IPR001645	165	1,52	529	4,89	12
IPR023170	412	1,52	826	3,05	27
IPR023418	49	1,52	107	3,32	3
IPR014729	5141	1,52	8430	2,5	190
IPR022754	121	1,52	0	0	0
IPR026704	3	1,52	0	0	0
IPR020895	44	1,51	194	6,64	4
IPR002504	169	1,51	553	4,95	12
IPR019772	98	1,51	182	2,8	4
IPR028299	323	1,51	364	1,71	9
IPR004680	209	1,51	21	0,15	0
IPR012763	140	1,51	0	0	0
IPR002624	75	1,51	0	0	0
IPR006405	66	1,51	0	0	0
IPR005527	61	1,51	0	0	0
IPR014867	18	1,51	41	3,44	0
IPR024779	6	1,51	109	27,46	0
IPR026815	6	1,51	2	0,5	0
IPR028211	3	1,5	180	90	4
IPR005810	118	1,5	450	5,72	12
IPR016163	1301	1,5	3538	4,09	120
IPR006140	700	1,5	1937	4,15	65
IPR010061	72	1,5	201	4,2	5
IPR004167	278	1,5	547	2,96	12
IPR018391	175	1,5	350	3	6
IPR018979	51	1,5	1	0,03	0
IPR008351	6	1,5	0	0	0
IPR005065	19	1,49	318	24,86	21
IPR021934	3	1,49	7	3,48	1
IPR016162	1300	1,49	3571	4,08	120
IPR006055	433	1,49	947	3,25	23
IPR007816	42	1,49	0	0	0
IPR010895	16	1,49	25	2,33	0
IPR022247	4	1,49	6	2,24	0
IPR019403	2	1,49	0	0	0
IPR017437	157	1,48	542	5,11	12
IPR013826	59	1,48	207	5,18	4
IPR017703	75	1,48	168	3,32	4
IPR002489	117	1,48	197	2,49	4
IPR018368	333	1,48	399	1,77	8
IPR015930	72	1,48	0	0	0
IPR014797	5	1,48	1	0,3	0
IPR018664	4	1,48	0	0	0
IPR000834	132	1,47	508	5,66	46
IPR000103	476	1,47	758	2,34	35
IPR002020	246	1,47	644	3,85	19
IPR016141	246	1,47	653	3,89	19

IPR006439	956	1,47	1366	2,1	51
IPR011108	166	1,47	287	2,54	8
IPR014013	175	1,47	413	3,48	7
IPR003719	114	1,47	228	2,95	4
IPR004541	148	1,47	198	1,96	4
IPR005025	348	1,47	394	1,67	8
IPR001898	232	1,47	274	1,74	4
IPR000585	31	1,47	16	0,76	0
IPR006116	10	1,47	1	0,15	0
IPR011717	8	1,47	21	3,87	0
IPR026224	2	1,47	1	0,74	0
IPR028071	1	1,47	57	83,82	0
IPR000623	228	1,46	419	2,68	14
IPR008918	211	1,46	599	4,15	12
IPR002317	150	1,46	426	4,16	8
IPR027256	387	1,46	506	1,9	18
IPR006113	100	1,46	293	4,27	5
IPR006555	179	1,46	419	3,43	7
IPR011833	113	1,46	187	2,41	4
IPR012938	100	1,46	49	0,71	2
IPR023346	1323	1,46	256	0,28	0
IPR001646	207	1,46	13	0,09	0
IPR000158	168	1,46	0	0	0
IPR020672	87	1,46	4	0,07	0
IPR008015	6	1,46	2	0,49	0
IPR021660	3	1,46	26	12,62	0
IPR008333	460	1,45	1240	3,91	36
IPR000089	656	1,45	1500	3,32	42
IPR006066	145	1,45	307	3,06	8
IPR004108	69	1,45	191	4,02	4
IPR013093	602	1,45	606	1,46	13
IPR000206	126	1,45	85	0,98	0
IPR027948	4	1,45	22	7,97	0
IPR003460	1	1,45	0	0	0
IPR001753	725	1,44	1771	3,52	61
IPR000192	653	1,44	1404	3,1	37
IPR009016	69	1,44	193	4,03	4
IPR020826	242	1,44	318	1,89	11
IPR019979	116	1,44	196	2,44	4
IPR004125	147	1,44	218	2,14	4
IPR003675	343	1,44	188	0,79	3
IPR007347	15	1,44	0	0	0
IPR019356	3	1,44	0	0	0
IPR024704	96	1,43	504	7,53	13
IPR010021	44	1,43	122	3,96	4
IPR017476	211	1,43	233	1,58	18
IPR003846	59	1,43	201	4,86	4
IPR004721	53	1,43	182	4,92	3
IPR013750	358	1,43	647	2,59	15
IPR003651	224	1,43	152	0,97	4



IPR011659	153	1,43	150	1,4	2
IPR009040	239	1,43	25	0,15	0
IPR011770	122	1,43	0	0	0
IPR019987	113	1,43	34	0,43	0
IPR005226	60	1,43	31	0,74	0
IPR011610	40	1,43	0	0	0
IPR017771	2	1,42	139	98,58	3
IPR004276	162	1,42	556	4,88	38
IPR023232	98	1,42	136	1,98	12
IPR020568	2726	1,42	6197	3,24	115
IPR000529	128	1,42	186	2,07	4
IPR023215	106	1,42	262	3,51	3
IPR020417	15	1,42	12	1,13	0
IPR013286	2	1,42	5	3,55	0
IPR015034	3	1,41	107	50,23	3
IPR001610	817	1,41	743	1,28	33
IPR002467	176	1,41	250	2	4
IPR024757	152	1,41	0	0	0
IPR013869	1	1,41	26	36,62	0
IPR020849	76	1,4	923	17,05	19
IPR013757	85	1,4	247	4,07	4
IPR001129	78	1,39	427	7,59	14
IPR001804	249	1,39	1047	5,83	26
IPR004400	46	1,39	143	4,32	4
IPR003437	62	1,39	185	4,15	4
IPR002859	16	1,39	5	0,43	1
IPR000108	35	1,39	384	15,21	2
IPR024909	144	1,39	243	2,35	5
IPR019906	123	1,39	178	2,01	4
IPR002358	117	1,39	169	2,01	4
IPR006169	127	1,39	194	2,12	4
IPR001857	125	1,39	194	2,16	4
IPR014100	125	1,39	89	0,99	1
IPR005798	1426	1,39	728	0,71	2
IPR020805	144	1,39	0	0	0
IPR006213	27	1,39	0	0	0
IPR007397	6	1,39	0	0	0
IPR004183	106	1,38	305	3,98	19
IPR027278	59	1,38	117	2,73	8
IPR006139	485	1,38	1418	4,02	48
IPR018204	99	1,38	226	3,15	4
IPR009003	1199	1,38	789	0,91	23
IPR015030	2	1,38	0	0	0
IPR016160	831	1,37	2753	4,52	93
IPR015797	1391	1,37	2645	2,61	91
IPR006176	229	1,37	400	2,39	15
IPR014306	51	1,37	121	3,24	3
IPR000640	584	1,37	1244	2,92	24
IPR013032	337	1,37	377	1,54	14
IPR014347	152	1,37	189	1,7	7

IPR022083	4	1,37	0	0	0
IPR023352	76	1,36	402	7,22	14
IPR000918	62	1,36	411	9,03	10
IPR002469	58	1,36	296	6,95	9
IPR005251	32	1,36	128	5,44	5
IPR002019	48	1,36	160	4,55	4
IPR004364	425	1,36	1368	4,37	31
IPR001468	98	1,36	197	2,74	4
IPR000399	267	1,36	422	2,15	7
IPR001684	122	1,36	193	2,15	4
IPR014010	6	1,36	18	4,07	0
IPR005042	3	1,36	1	0,45	0
IPR011559	35	1,35	129	4,98	5
IPR017866	92	1,35	384	5,62	9
IPR006151	222	1,35	423	2,57	16
IPR009050	261	1,35	357	1,85	14
IPR005631	56	1,35	178	4,28	3
IPR000705	85	1,35	210	3,35	3
IPR003697	151	1,35	207	1,85	4
IPR021830	6	1,35	0	0	0
IPR004875	51	1,34	1584	41,66	52
IPR006115	362	1,34	974	3,62	41
IPR001732	189	1,34	224	1,59	17
IPR002125	449	1,34	1242	3,7	36
IPR012093	151	1,34	322	2,86	11
IPR002143	126	1,34	370	3,94	8
IPR011766	594	1,34	1098	2,47	21
IPR000422	121	1,34	206	2,29	4
IPR019489	542	1,34	587	1,45	13
IPR015414	473	1,34	345	0,98	8
IPR000895	46	1,34	23	0,67	0
IPR006350	7	1,34	151	28,82	0
IPR003470	2	1,34	2	1,34	0
IPR003010	417	1,33	1506	4,79	63
IPR023174	34	1,33	200	7,85	4
IPR002026	46	1,33	162	4,7	4
IPR002669	44	1,33	139	4,2	4
IPR017969	266	1,33	409	2,04	13
IPR020633	70	1,33	2	0,04	0
IPR025512	7	1,33	0	0	0
IPR019829	2	1,33	0	0	0
IPR008821	1	1,33	1	1,33	0
IPR006254	60	1,32	407	8,99	10
IPR003817	95	1,32	680	9,48	14
IPR020848	73	1,32	203	3,66	9
IPR003780	50	1,32	203	5,38	4
IPR011629	178	1,32	329	2,44	11
IPR006124	173	1,32	166	1,27	4
IPR001478	894	1,32	479	0,71	14
IPR002550	241	1,32	247	1,35	4

IPR016092	162	1,32	319	2,59	2
IPR011528	45	1,32	1	0,03	0
IPR006839	41	1,32	0	0	0
IPR013452	40	1,32	5	0,16	0
IPR011936	9	1,32	10	1,47	0
IPR022939	7	1,32	0	0	0
IPR021710	5	1,32	0	0	0
IPR026071	3	1,32	0	0	0
IPR019736	2	1,32	0	0	0
IPR019263	4	1,31	251	82,03	5
IPR006162	366	1,31	2685	9,59	153
IPR002872	89	1,31	331	4,86	17
IPR002312	227	1,31	929	5,35	22
IPR002319	146	1,31	421	3,78	8
IPR000352	313	1,31	543	2,27	11
IPR011904	72	1,31	255	4,64	3
IPR013822	255	1,31	408	2,1	8
IPR018022	118	1,31	169	1,87	3
IPR009330	20	1,31	13	0,85	0
IPR025354	7	1,31	0	0	0
IPR006255	74	1,3	211	3,71	8
IPR002034	140	1,3	519	4,82	12
IPR006108	215	1,3	397	2,4	16
IPR023434	53	1,3	180	4,43	4
IPR000086	1186	1,3	2403	2,63	77
IPR018109	140	1,3	421	3,9	9
IPR006805	151	1,3	401	3,45	7
IPR017861	129	1,3	350	3,54	6
IPR003099	115	1,3	199	2,25	4
IPR002477	260	1,3	15	0,07	0
IPR005881	138	1,3	0	0	0
IPR023572	9	1,3	5	0,72	0
IPR000928	4	1,3	0	0	0
IPR016133	3	1,3	3	1,3	0
IPR018474	1	1,3	0	0	0
IPR004970	1	1,3	0	0	0
IPR001597	106	1,29	369	4,51	14
IPR002639	43	1,29	131	3,92	4
IPR002877	210	1,29	680	4,18	17
IPR001269	251	1,29	744	3,82	16
IPR023000	105	1,29	132	1,63	4
IPR013023	100	1,29	217	2,79	4
IPR006654	118	1,29	264	2,89	4
IPR005797	1589	1,29	801	0,65	22
IPR002173	547	1,29	358	0,85	7
IPR006368	59	1,29	31	0,68	0
IPR025960	16	1,29	3	0,24	0
IPR027047	5	1,29	34	8,79	0
IPR012435	3	1,29	0	0	0
IPR013959	2	1,28	146	93,59	3

IPR011612	49	1,28	176	4,61	4
IPR002313	134	1,28	393	3,75	8
IPR005995	73	1,28	154	2,7	4
IPR023416	54	1,28	163	3,85	3
IPR018982	89	1,28	225	3,24	4
IPR006264	111	1,28	139	1,6	4
IPR008932	114	1,28	186	2,09	4
IPR027387	1612	1,28	818	0,65	22
IPR001378	55	1,28	0	0	0
IPR025924	7	1,28	0	0	0
IPR020554	3	1,27	124	52,54	4
IPR024764	3	1,27	152	64,41	3
IPR013873	5	1,27	203	51,65	4
IPR001250	97	1,27	287	3,75	9
IPR013977	141	1,27	271	2,44	9
IPR008921	403	1,27	1257	3,97	22
IPR014362	123	1,27	197	2,03	4
IPR000456	114	1,27	199	2,22	4
IPR020456	39	1,27	44	1,43	1
IPR007685	236	1,27	55	0,3	1
IPR005671	60	1,27	3	0,06	0
IPR023370	55	1,27	0	0	0
IPR026565	35	1,27	0	0	0
IPR016102	294	1,26	822	3,51	24
IPR014183	51	1,26	181	4,46	3
IPR004365	575	1,26	1445	3,18	27
IPR001048	679	1,26	672	1,24	19
IPR023576	91	1,26	213	2,96	3
IPR028055	140	1,26	54	0,48	2
IPR001267	80	1,26	12	0,19	0
IPR025714	348	1,25	1292	4,65	45
IPR014026	177	1,25	224	1,58	15
IPR000891	299	1,25	935	3,91	24
IPR004514	59	1,25	206	4,38	4
IPR011281	57	1,25	249	5,48	4
IPR025765	49	1,25	197	5,01	3
IPR002300	378	1,25	1048	3,46	22
IPR018164	158	1,25	347	2,74	7
IPR018268	107	1,25	144	1,68	4
IPR001270	435	1,25	484	1,4	12
IPR019756	113	1,25	190	2,1	3
IPR023026	113	1,25	223	2,47	3
IPR017920	13	1,25	1	0,1	0
IPR006954	2	1,25	0	0	0
IPR020556	154	1,24	912	7,32	27
IPR004706	34	1,24	182	6,63	5
IPR014758	129	1,24	436	4,18	8
IPR003769	72	1,24	164	2,82	4
IPR024706	180	1,24	408	2,8	8
IPR000897	276	1,24	462	2,07	10

IPR007621	97	1,24	0	0	0
IPR003587	27	1,24	28	1,29	0
IPR025832	2	1,23	4	2,47	2
IPR020846	4309	1,23	31444	8,99	1670
IPR005302	119	1,23	529	5,45	23
IPR014027	175	1,23	209	1,47	16
IPR006148	157	1,23	504	3,94	13
IPR000926	126	1,23	363	3,55	8
IPR011537	55	1,23	160	3,57	3
IPR010233	52	1,23	195	4,61	3
IPR015413	192	1,23	540	3,45	8
IPR005139	221	1,23	198	1,1	4
IPR003256	108	1,23	32	0,37	1
IPR018261	104	1,23	138	1,63	0
IPR023153	38	1,23	0	0	0
IPR000187	3	1,23	1	0,41	0
IPR021876	1	1,23	80	98,77	0
IPR013944	1	1,23	60	74,07	0
IPR028233	1	1,23	0	0	0
IPR013855	5	1,22	212	51,83	5
IPR008616	55	1,22	176	3,89	5
IPR003829	137	1,22	320	2,85	10
IPR005848	52	1,22	164	3,86	4
IPR018527	42	1,22	59	1,71	3
IPR002314	426	1,22	1429	4,1	27
IPR009008	369	1,22	1009	3,35	20
IPR004810	67	1,22	82	1,49	4
IPR022941	105	1,22	188	2,18	4
IPR015803	114	1,22	206	2,2	4
IPR007624	259	1,22	1	0	0
IPR008915	191	1,22	27	0,17	0
IPR001787	106	1,22	4	0,05	0
IPR005952	91	1,22	152	2,04	0
IPR019749	62	1,22	2	0,04	0
IPR000001	22	1,22	1	0,06	0
IPR027367	12	1,22	0	0	0
IPR018826	4	1,21	114	34,44	5
IPR022694	65	1,21	274	5,12	11
IPR006203	156	1,21	561	4,34	9
IPR018192	117	1,21	261	2,71	5
IPR008268	92	1,21	193	2,55	4
IPR012675	1238	1,21	1645	1,61	41
IPR002932	123	1,21	204	2,01	4
IPR001737	149	1,21	347	2,82	4
IPR004447	113	1,21	0	0	0
IPR020459	37	1,21	38	1,24	0
IPR001156	11	1,21	0	0	0
IPR018232	50	1,2	325	7,79	7
IPR009022	620	1,2	1292	2,51	25
IPR011004	1050	1,2	1154	1,32	36

IPR002303	122	1,2	256	2,52	4
IPR013798	109	1,2	230	2,54	4
IPR013005	108	1,2	201	2,24	4
IPR020822	157	1,2	229	1,75	4
IPR008207	304	1,2	215	0,85	5
IPR018177	75	1,2	75	1,2	0
IPR019748	63	1,2	2	0,04	0
IPR020904	1437	1,19	6816	5,65	259
IPR015375	35	1,19	161	5,46	4
IPR009073	40	1,19	199	5,94	4
IPR004640	40	1,19	202	6,02	4
IPR004815	90	1,19	306	4,04	8
IPR003395	282	1,19	1185	5	24
IPR017951	55	1,19	180	3,88	4
IPR027359	95	1,19	243	3,03	6
IPR014721	1734	1,19	4091	2,81	80
IPR020084	649	1,19	936	1,71	28
IPR020598	128	1,19	212	1,97	4
IPR001969	1810	1,19	2043	1,35	47
IPR023584	108	1,19	187	2,06	3
IPR019758	145	1,19	92	0,75	0
IPR022663	102	1,19	0	0	0
IPR018258	76	1,19	0	0	0
IPR022613	5	1,19	1	0,24	0
IPR015097	1	1,19	0	0	0
IPR022036	4	1,18	301	89,05	10
IPR003819	114	1,18	1864	19,25	109
IPR003000	122	1,18	1106	10,72	31
IPR015881	61	1,18	57	1,1	4
IPR006370	47	1,18	177	4,46	3
IPR020103	950	1,18	1473	1,82	25
IPR002781	287	1,18	4	0,02	0
IPR000849	132	1,18	0	0	0
IPR000846	117	1,18	0	0	0
IPR006676	6	1,18	157	30,91	0
IPR017993	1	1,18	3	3,53	0
IPR000033	29	1,17	107	4,32	7
IPR013507	105	1,17	535	5,97	11
IPR001030	260	1,17	912	4,12	25
IPR017950	50	1,17	177	4,14	4
IPR002305	267	1,17	855	3,76	15
IPR020581	94	1,17	231	2,88	4
IPR005823	105	1,17	202	2,25	4
IPR001307	90	1,17	83	1,08	0
IPR014845	4	1,17	0	0	0
IPR022981	2	1,17	0	0	0
IPR003898	2	1,17	7	4,09	0
IPR001425	44	1,16	369	9,77	8
IPR000573	207	1,16	881	4,92	25
IPR013027	1379	1,16	2538	2,13	84

IPR023190	77	1,16	164	2,48	4
IPR017665	107	1,16	208	2,26	4
IPR000299	64	1,16	4	0,07	0
IPR020605	58	1,16	153	3,05	0
IPR021862	4	1,16	40	11,59	0
IPR008466	2	1,16	0	0	0
IPR024119	2	1,16	29	16,86	0
IPR002889	24	1,15	1301	62,07	88
IPR006104	168	1,15	604	4,12	32
IPR014445	43	1,15	197	5,25	5
IPR004360	315	1,15	593	2,16	28
IPR020061	178	1,15	649	4,18	12
IPR009080	688	1,15	1928	3,21	41
IPR002818	236	1,15	482	2,36	14
IPR001882	174	1,15	491	3,24	8
IPR013783	1733	1,15	1775	1,18	52
IPR017900	1521	1,15	503	0,38	8
IPR001249	92	1,15	0	0	0
IPR011304	66	1,15	80	1,39	0
IPR003998	64	1,15	0	0	0
IPR005629	7	1,15	456	74,75	0
IPR010308	9	1,14	723	91,87	25
IPR002204	127	1,14	274	2,47	10
IPR018165	142	1,14	315	2,52	7
IPR002397	111	1,14	93	0,96	5
IPR000244	99	1,14	18	0,21	0
IPR004794	82	1,14	0	0	0
IPR019991	45	1,14	2	0,05	0
IPR001588	3	1,14	0	0	0
IPR018679	2	1,14	0	0	0
IPR015248	1	1,14	0	0	0
IPR026193	1	1,14	0	0	0
IPR020847	89	1,13	181	2,29	78
IPR015931	249	1,13	914	4,16	25
IPR005946	146	1,13	672	5,2	13
IPR013785	5356	1,13	12732	2,68	394
IPR000271	86	1,13	157	2,06	4
IPR003029	699	1,13	995	1,61	25
IPR002646	151	1,13	249	1,86	5
IPR002318	124	1,13	229	2,09	4
IPR020596	122	1,13	176	1,64	4
IPR019927	105	1,13	198	2,13	4
IPR016174	1605	1,13	798	0,56	22
IPR002661	102	1,13	181	2,01	2
IPR002298	119	1,13	0	0	0
IPR010827	112	1,13	0	0	0
IPR006298	111	1,13	10	0,1	0
IPR019814	92	1,13	49	0,6	0
IPR006600	33	1,12	1339	45,42	72
IPR000462	260	1,12	939	4,06	22

IPR014186	58	1,12	210	4,05	4
IPR009014	545	1,12	1234	2,53	32
IPR013816	1324	1,12	2865	2,42	70
IPR006685	333	1,12	400	1,35	12
IPR028360	455	1,12	466	1,15	11
IPR008881	96	1,12	0	0	0
IPR001542	4	1,12	24	6,7	0
IPR014086	1	1,12	3	3,37	0
IPR013217	56	1,11	1145	22,69	89
IPR019810	144	1,11	452	3,47	15
IPR000242	81	1,11	500	6,84	9
IPR001900	145	1,11	636	4,88	14
IPR010228	47	1,11	168	3,96	4
IPR016193	552	1,11	1559	3,14	42
IPR003495	239	1,11	579	2,7	17
IPR002698	107	1,11	202	2,09	3
IPR014039	99	1,11	31	0,35	0
IPR022893	94	1,11	11	0,13	0
IPR021838	5	1,11	428	94,9	0
IPR027577	3	1,11	7	2,58	0
IPR018134	2	1,11	1	0,56	0
IPR025574	10	1,1	728	80,26	15
IPR015722	5	1,1	175	38,63	4
IPR006581	7	1,1	177	27,74	4
IPR024079	443	1,1	2069	5,15	129
IPR001585	158	1,1	385	2,69	13
IPR002501	107	1,1	416	4,27	8
IPR023753	1203	1,1	2669	2,44	80
IPR015866	115	1,1	356	3,39	7
IPR013740	206	1,1	440	2,35	11
IPR006519	95	1,1	181	2,09	4
IPR015927	459	1,1	532	1,28	11
IPR012999	267	1,1	420	1,73	7
IPR008283	74	1,1	43	0,64	0
IPR013471	58	1,1	23	0,44	0
IPR016339	4	1,1	0	0	0
IPR005012	2	1,1	4	2,2	0
IPR021006	2	1,1	171	94,48	0
IPR008839	2	1,09	175	95,11	4
IPR015937	329	1,09	930	3,08	26
IPR004155	64	1,09	275	4,67	5
IPR003248	60	1,09	201	3,64	4
IPR013792	253	1,09	509	2,19	12
IPR001901	103	1,09	192	2,03	4
IPR001342	131	1,09	216	1,79	4
IPR020578	270	1,09	400	1,62	5
IPR023615	550	1,09	212	0,42	2
IPR023458	46	1,09	49	1,16	0
IPR015349	40	1,09	0	0	0
IPR000920	4	1,09	8	2,18	0



IPR018819	2	1,08	174	93,55	4
IPR018966	15	1,08	425	30,58	8
IPR026590	122	1,08	1141	10,14	34
IPR005151	182	1,08	285	1,7	24
IPR001937	38	1,08	192	5,47	5
IPR001279	1128	1,08	3278	3,14	112
IPR005814	506	1,08	1406	3,01	50
IPR017932	432	1,08	1279	3,19	38
IPR002500	158	1,08	422	2,87	9
IPR002292	112	1,08	204	1,97	4
IPR013116	84	1,08	215	2,77	3
IPR008331	241	1,08	27	0,12	0
IPR000819	110	1,08	73	0,71	0
IPR012162	93	1,08	1	0,01	0
IPR021137	92	1,08	53	0,62	0
IPR023035	83	1,08	0	0	0
IPR007157	66	1,08	0	0	0
IPR007072	5	1,08	1	0,22	0
IPR021656	2	1,08	0	0	0
IPR004918	5	1,07	210	44,78	5
IPR001204	108	1,07	310	3,06	18
IPR013328	966	1,07	2952	3,27	106
IPR001567	175	1,07	554	3,39	17
IPR006195	943	1,07	3366	3,8	67
IPR002744	117	1,07	182	1,67	4
IPR016156	470	1,07	635	1,45	13
IPR002711	163	1,07	18	0,12	4
IPR011356	109	1,07	72	0,71	0
IPR006156	73	1,07	0	0	0
IPR003526	72	1,07	3	0,04	0
IPR007014	6	1,07	144	25,67	0
IPR000293	5	1,07	1	0,21	0
IPR011677	3	1,07	1	0,36	0
IPR017328	4	1,06	173	45,89	1
IPR001327	984	1,06	2304	2,49	66
IPR013155	359	1,06	987	2,92	21
IPR000866	324	1,06	681	2,22	12
IPR004489	104	1,06	244	2,5	4
IPR006312	93	1,06	0	0	0
IPR020070	92	1,06	70	0,81	0
IPR001018	10	1,06	10	1,06	0
IPR026774	4	1,06	0	0	0
IPR013289	3	1,06	1	0,35	0
IPR009422	1	1,06	1	1,06	0
IPR013897	2	1,05	187	98,42	4
IPR018864	3	1,05	180	63,16	4
IPR006992	113	1,05	897	8,35	50
IPR010323	17	1,05	93	5,76	5
IPR005399	49	1,05	207	4,42	8
IPR000277	277	1,05	1306	4,96	40

IPR016477	48	1,05	286	6,26	6
IPR006222	153	1,05	377	2,59	13
IPR018488	92	1,05	367	4,18	8
IPR014762	92	1,05	494	5,63	8
IPR018376	256	1,05	559	2,3	16
IPR018163	245	1,05	618	2,66	16
IPR013029	108	1,05	295	2,88	7
IPR020580	81	1,05	226	2,94	4
IPR013709	100	1,05	238	2,51	4
IPR023614	384	1,05	433	1,18	8
IPR004528	57	1,05	0	0	0
IPR005639	9	1,05	24	2,79	0
IPR019364	3	1,04	146	50,52	4
IPR004006	65	1,04	343	5,46	15
IPR008927	1270	1,04	3687	3,02	138
IPR006683	410	1,04	983	2,48	38
IPR017438	159	1,04	544	3,56	12
IPR002316	96	1,04	369	4,01	7
IPR017926	732	1,04	1920	2,72	43
IPR001348	72	1,04	195	2,81	4
IPR006223	68	1,04	196	2,99	4
IPR000506	80	1,04	204	2,65	4
IPR004789	77	1,04	203	2,75	4
IPR006653	93	1,04	232	2,6	3
IPR017896	1622	1,04	813	0,52	15
IPR001943	278	1,04	3	0,01	0
IPR001981	1	1,04	0	0	0
IPR001904	1	1,04	1	1,04	0
IPR008989	5	1,03	193	39,71	4
IPR008040	43	1,03	583	14,03	33
IPR018201	283	1,03	2276	8,27	127
IPR011579	29	1,03	106	3,76	5
IPR001661	64	1,03	387	6,22	8
IPR001518	80	1,03	242	3,1	8
IPR002301	105	1,03	414	4,08	9
IPR016143	145	1,03	239	1,69	11
IPR020610	215	1,03	517	2,47	10
IPR011060	768	1,03	1686	2,26	31
IPR001098	129	1,03	188	1,5	4
IPR001638	701	1,03	20	0,03	4
IPR005895	32	1,03	1	0,03	0
IPR004634	32	1,03	0	0	0
IPR019192	3	1,03	158	54,3	0
IPR026941	2	1,03	0	0	0
IPR021569	3	1,02	155	52,9	4
IPR002306	121	1,02	426	3,59	7
IPR019455	75	1,02	201	2,74	4
IPR005801	245	1,02	451	1,87	9
IPR011530	92	1,02	196	2,17	4
IPR005982	96	1,02	215	2,29	3

IPR016192	282	1,02	506	1,83	3
IPR001816	91	1,02	30	0,34	0
IPR011147	46	1,02	0	0	0
IPR004538	45	1,02	0	0	0
IPR004329	34	1,02	0	0	0
IPR003180	33	1,02	7	0,22	0
IPR002071	32	1,02	1	0,03	0
IPR002159	11	1,02	0	0	0
IPR018961	28	1,01	158	5,71	4
IPR002933	596	1,01	1476	2,51	54
IPR002320	103	1,01	379	3,72	8
IPR003736	163	1,01	189	1,17	9
IPR001240	75	1,01	235	3,17	4
IPR001383	91	1,01	197	2,18	3
IPR003369	118	1,01	0	0	0
IPR011112	88	1,01	11	0,13	0
IPR006269	52	1,01	0	0	0
IPR013702	18	1,01	19	1,06	0
IPR026123	1	1,01	1	1,01	0
IPR012947	214	1	584	2,72	16
IPR023192	102	1	297	2,9	7
IPR005749	89	1	195	2,2	4
IPR004821	376	1	846	2,26	14
IPR014732	71	1	242	3,41	2
IPR017870	112	1	194	1,74	2
IPR023091	88	1	0	0	0
IPR020069	85	1	4	0,05	0
IPR002731	66	1	57	0,87	0
IPR010223	49	1	0	0	0
IPR006578	16	1	0	0	0
IPR016126	4	1	11	2,74	0
IPR025209	2	1	0	0	0
IPR022261	1	1	0	0	0
IPR024074	75	0,99	239	3,14	8
IPR024078	77	0,99	266	3,42	5
IPR001288	92	0,99	114	1,23	4
IPR000392	240	0,99	1	0	0
IPR016496	91	0,99	1	0,01	0
IPR002036	87	0,99	0	0	0
IPR025747	40	0,99	0	0	0
IPR000952	27	0,99	92	3,38	0
IPR010342	7	0,99	10	1,42	0
IPR001429	7	0,99	1	0,14	0
IPR000818	7	0,98	213	29,71	4
IPR002293	886	0,98	6522	7,24	207
IPR002616	100	0,98	275	2,69	9
IPR010240	34	0,98	138	3,96	3
IPR013820	68	0,98	195	2,81	4
IPR001341	152	0,98	201	1,3	8
IPR018162	98	0,98	221	2,21	4

IPR019815	91	0,98	140	1,5	4
IPR023400	101	0,98	0	0	0
IPR011284	81	0,98	0	0	0
IPR002817	52	0,98	0	0	0
IPR013549	51	0,98	0	0	0
IPR024338	2	0,97	192	93,2	4
IPR002821	42	0,97	607	14,01	34
IPR027420	14	0,97	95	6,59	4
IPR018517	175	0,97	689	3,83	16
IPR014766	320	0,97	194	0,59	23
IPR012676	307	0,97	874	2,76	18
IPR000924	196	0,97	669	3,31	13
IPR004095	207	0,97	572	2,67	11
IPR025192	102	0,97	242	2,3	4
IPR015890	232	0,97	446	1,87	8
IPR023042	51	0,97	25	0,48	0
IPR012177	1	0,97	23	22,33	0
IPR026794	1	0,97	0	0	0
IPR006081	1	0,97	0	0	0
IPR016207	2	0,96	203	97,13	4
IPR018860	2	0,96	112	53,85	2
IPR004166	9	0,96	244	25,93	1
IPR005148	94	0,96	261	2,67	7
IPR018198	57	0,96	187	3,16	4
IPR003737	74	0,96	265	3,44	5
IPR001412	729	0,96	2287	3,02	39
IPR000056	122	0,96	213	1,67	5
IPR019811	108	0,96	170	1,51	4
IPR000980	106	0,96	192	1,74	4
IPR011078	89	0,96	202	2,19	4
IPR000358	116	0,96	299	2,47	4
IPR020814	74	0,96	0	0	0
IPR004561	68	0,96	0	0	0
IPR004588	64	0,96	0	0	0
IPR019820	41	0,96	0	0	0
IPR001212	11	0,96	0	0	0
IPR024862	7	0,96	21	2,88	0
IPR020924	2	0,96	3	1,44	0
IPR019599	1	0,96	0	0	0
IPR025255	2	0,95	100	47,62	5
IPR019197	5	0,95	204	38,64	4
IPR006583	3	0,95	7	2,22	1
IPR015932	203	0,95	885	4,13	25
IPR005811	169	0,95	702	3,94	20
IPR015517	48	0,95	205	4,06	4
IPR004552	45	0,95	204	4,31	4
IPR004396	98	0,95	292	2,84	7
IPR001949	63	0,95	177	2,68	4
IPR022419	61	0,95	211	3,28	4
IPR000178	85	0,95	179	1,99	4

IPR016055	275	0,95	613	2,11	9
IPR014222	143	0,95	160	1,06	1
IPR011759	336	0,95	548	1,56	1
IPR018227	118	0,95	1	0,01	0
IPR025656	86	0,95	61	0,67	0
IPR010519	1	0,95	0	0	0
IPR006102	131	0,94	666	4,78	30
IPR002813	42	0,94	146	3,26	6
IPR020058	188	0,94	660	3,29	13
IPR003700	65	0,94	212	3,07	4
IPR005474	247	0,94	408	1,56	12
IPR001731	72	0,94	207	2,71	4
IPR002871	94	0,94	227	2,28	4
IPR010084	74	0,94	0	0	0
IPR017730	69	0,94	1	0,01	0
IPR005182	58	0,94	0	0	0
IPR004433	39	0,94	0	0	0
IPR028043	1	0,94	0	0	0
IPR012883	1	0,94	0	0	0
IPR022773	1	0,94	0	0	0
IPR005138	1	0,94	0	0	0
IPR027796	3	0,93	288	89,72	19
IPR018017	205	0,93	1098	5	69
IPR013708	127	0,93	429	3,16	17
IPR023465	91	0,93	224	2,29	7
IPR001451	679	0,93	1261	1,73	40
IPR018042	141	0,93	210	1,39	8
IPR023033	77	0,93	207	2,51	4
IPR022966	95	0,93	283	2,78	4
IPR000361	179	0,93	403	2,08	6
IPR010099	49	0,93	0	0	0
IPR026173	1	0,93	1	0,93	0
IPR013253	2	0,92	203	93,55	4
IPR018523	69	0,92	552	7,4	14
IPR020613	215	0,92	858	3,68	20
IPR000860	67	0,92	233	3,21	4
IPR025870	361	0,92	490	1,25	15
IPR018095	63	0,92	180	2,61	3
IPR005662	80	0,92	1	0,01	0
IPR020555	60	0,92	3	0,05	0
IPR018487	18	0,92	9	0,46	0
IPR013326	7	0,92	18	2,37	0
IPR010711	2	0,92	10	4,59	0
IPR004631	4	0,91	233	52,95	9
IPR011650	542	0,91	1518	2,56	58
IPR012349	498	0,91	1950	3,58	49
IPR001278	91	0,91	289	2,87	8
IPR004662	62	0,91	203	2,97	5
IPR000283	49	0,91	175	3,25	4
IPR011761	872	0,91	2063	2,15	55

IPR008144	128	0,91	299	2,12	8
IPR022417	66	0,91	235	3,24	4
IPR012293	75	0,91	206	2,49	4
IPR002180	74	0,91	201	2,48	4
IPR002302	88	0,91	155	1,6	4
IPR001986	189	0,91	163	0,78	4
IPR007374	70	0,91	4	0,05	0
IPR003835	47	0,91	0	0	0
IPR005802	40	0,91	0	0	0
IPR007346	30	0,91	1	0,03	0
IPR021255	12	0,91	0	0	0
IPR009858	8	0,91	0	0	0
IPR009081	518	0,9	4759	8,27	265
IPR014763	74	0,9	345	4,18	7
IPR006641	148	0,9	173	1,05	4
IPR004394	81	0,9	4	0,04	0
IPR001095	66	0,9	0	0	0
IPR006286	47	0,9	3	0,06	0
IPR004463	46	0,9	0	0	0
IPR023833	12	0,9	0	0	0
IPR026708	1	0,9	0	0	0
IPR006103	120	0,89	421	3,13	30
IPR004625	52	0,89	248	4,25	5
IPR015945	88	0,89	288	2,9	8
IPR020616	258	0,89	963	3,31	20
IPR020624	78	0,89	86	0,98	6
IPR019741	46	0,89	184	3,55	3
IPR004429	59	0,89	249	3,74	3
IPR006067	177	0,89	320	1,6	8
IPR005117	164	0,89	321	1,73	8
IPR020590	96	0,89	202	1,87	4
IPR023451	78	0,89	217	2,47	3
IPR000398	78	0,89	217	2,47	3
IPR005841	195	0,89	259	1,18	5
IPR005878	75	0,89	0	0	0
IPR004424	68	0,89	1	0,01	0
IPR015870	45	0,89	0	0	0
IPR008615	12	0,89	8	0,59	0
IPR007511	7	0,89	0	0	0
IPR021769	2	0,89	0	0	0
IPR009553	2	0,89	0	0	0
IPR006710	84	0,88	1254	13,13	103
IPR022418	61	0,88	231	3,35	4
IPR014748	151	0,88	357	2,09	9
IPR018236	73	0,88	204	2,45	4
IPR020940	63	0,88	199	2,77	3
IPR005845	241	0,88	592	2,15	8
IPR002429	355	0,88	554	1,37	1
IPR005227	75	0,88	0	0	0
IPR010448	4	0,88	1	0,22	0

IPR009685	1	0,88	1	0,88	0
IPR017859	1	0,88	6	5,31	0
IPR021487	2	0,87	73	31,88	4
IPR019200	4	0,87	274	59,57	8
IPR013874	4	0,87	205	44,57	4
IPR006076	490	0,87	2966	5,29	129
IPR013812	129	0,87	639	4,3	29
IPR012131	67	0,87	263	3,43	6
IPR015865	85	0,87	223	2,28	7
IPR000807	60	0,87	215	3,12	4
IPR006110	76	0,87	206	2,35	4
IPR006369	48	0,87	167	3,03	3
IPR006157	82	0,87	198	2,1	4
IPR000453	78	0,87	209	2,34	4
IPR011549	45	0,87	31	0,6	1
IPR000943	267	0,87	2	0,01	0
IPR018101	75	0,87	14	0,16	0
IPR010196	20	0,87	0	0	0
IPR017536	3	0,87	0	0	0
IPR010414	3	0,86	150	42,98	4
IPR022047	4	0,86	84	18,1	4
IPR014790	73	0,86	394	4,63	6
IPR019575	62	0,86	174	2,42	4
IPR019999	126	0,86	232	1,57	7
IPR000700	394	0,86	386	0,85	12
IPR004099	377	0,86	635	1,46	13
IPR005844	241	0,86	598	2,14	8
IPR014018	92	0,86	0	0	0
IPR020937	74	0,86	0	0	0
IPR011798	14	0,86	0	0	0
IPR014622	4	0,86	60	12,88	0
IPR023655	1	0,86	0	0	0
IPR002101	1	0,86	0	0	0
IPR024983	30	0,85	452	12,76	8
IPR003462	44	0,85	213	4,11	8
IPR018223	64	0,85	216	2,86	5
IPR015376	37	0,85	128	2,94	3
IPR018149	111	0,85	380	2,93	7
IPR007229	81	0,85	206	2,16	5
IPR023323	68	0,85	178	2,24	4
IPR000417	46	0,85	183	3,37	2
IPR003594	2668	0,85	3921	1,26	94
IPR002547	189	0,85	246	1,11	4
IPR003772	69	0,85	0	0	0
IPR008226	26	0,85	0	0	0
IPR014984	5	0,85	0	0	0
IPR005197	4	0,84	434	91,18	24
IPR019576	41	0,84	203	4,18	5
IPR003171	74	0,84	393	4,48	8
IPR019740	38	0,84	172	3,79	4

IPR018089	67	0,84	291	3,65	6
IPR027266	154	0,84	440	2,39	13
IPR017945	228	0,84	464	1,71	8
IPR009006	254	0,84	275	0,91	5
IPR023405	174	0,84	227	1,09	5
IPR005846	227	0,84	385	1,42	4
IPR004518	96	0,84	0	0	0
IPR016484	80	0,84	0	0	0
IPR018641	7	0,84	2	0,24	0
IPR000959	6	0,84	169	23,67	0
IPR006759	5	0,84	103	17,31	0
IPR012444	1	0,84	0	0	0
IPR021110	2	0,83	177	73,75	4
IPR016181	2256	0,83	8465	3,1	245
IPR002155	274	0,83	1144	3,46	25
IPR006130	177	0,83	405	1,9	9
IPR025709	76	0,83	153	1,68	4
IPR022412	66	0,83	196	2,47	3
IPR011116	82	0,83	0	0	0
IPR005177	49	0,83	0	0	0
IPR011334	42	0,83	0	0	0
IPR007452	41	0,83	0	0	0
IPR022145	1	0,83	0	0	0
IPR000875	1	0,83	0	0	0
IPR006387	1	0,83	0	0	0
IPR018574	2	0,82	127	52,05	5
IPR021848	6	0,82	437	59,78	13
IPR002575	258	0,82	3359	10,63	53
IPR018136	150	0,82	841	4,61	23
IPR010737	34	0,82	64	1,55	4
IPR020565	56	0,82	207	3,02	4
IPR002638	139	0,82	403	2,37	8
IPR020602	65	0,82	234	2,95	4
IPR000979	79	0,82	196	2,03	4
IPR000424	177	0,82	187	0,87	4
IPR013824	166	0,82	222	1,1	5
IPR001059	92	0,82	3	0,03	0
IPR003728	67	0,82	0	0	0
IPR020930	63	0,82	0	0	0
IPR003859	8	0,82	0	0	0
IPR027750	1	0,82	0	0	0
IPR006913	60	0,81	1339	18,01	74
IPR000366	2	0,81	223	90,65	1
IPR006001	37	0,81	226	4,92	12
IPR004443	56	0,81	359	5,2	8
IPR005478	85	0,81	267	2,53	9
IPR020617	240	0,81	1061	3,57	23
IPR011704	122	0,81	454	3,01	7
IPR023097	66	0,81	183	2,23	4
IPR001474	64	0,81	232	2,94	4



IPR003439	5250	0,81	8381	1,29	285
IPR000305	181	0,81	333	1,48	4
IPR015848	67	0,81	0	0	0
IPR011865	34	0,81	0	0	0
IPR012291	23	0,81	0	0	0
IPR021018	1	0,81	0	0	0
IPR007882	1	0,81	0	0	0
IPR009703	1	0,81	0	0	0
IPR000465	3	0,8	213	56,8	4
IPR011145	3	0,8	228	60,96	4
IPR016171	91	0,8	672	5,9	28
IPR017963	140	0,8	634	3,6	18
IPR015879	78	0,8	223	2,29	10
IPR026600	40	0,8	144	2,87	4
IPR008145	123	0,8	290	1,89	8
IPR006131	168	0,8	400	1,89	8
IPR000701	87	0,8	267	2,46	3
IPR019759	299	0,8	442	1,18	9
IPR013497	163	0,8	221	1,09	4
IPR008255	111	0,8	244	1,76	3
IPR002150	92	0,8	3	0,03	0
IPR015365	89	0,8	3	0,03	0
IPR000185	81	0,8	0	0	0
IPR004374	70	0,8	3	0,03	0
IPR005748	67	0,8	0	0	0
IPR001706	66	0,8	20	0,24	0
IPR003473	45	0,8	0	0	0
IPR024142	2	0,79	244	96,83	5
IPR025533	2	0,79	120	47,62	4
IPR023209	9	0,79	539	47,28	16
IPR000731	92	0,79	517	4,41	13
IPR022278	51	0,79	193	2,98	4
IPR002684	50	0,79	183	2,9	4
IPR002023	68	0,79	170	1,97	4
IPR014006	58	0,79	251	3,44	4
IPR000380	172	0,79	232	1,07	4
IPR000421	98	0,79	123	0,99	1
IPR002172	55	0,79	152	2,2	1
IPR000434	1	0,79	1	0,79	0
IPR022127	3	0,78	204	52,99	4
IPR023401	40	0,78	227	4,45	8
IPR005809	56	0,78	251	3,52	8
IPR000842	80	0,78	522	5,07	8
IPR000634	141	0,78	658	3,62	12
IPR023468	75	0,78	213	2,23	7
IPR001498	68	0,78	360	4,14	6
IPR004524	73	0,78	201	2,15	6
IPR003721	53	0,78	217	3,21	4
IPR020628	49	0,78	249	3,96	4
IPR017925	62	0,78	214	2,69	4

IPR000870	50	0,78	198	3,1	3
IPR003661	1504	0,78	1821	0,94	49
IPR011115	83	0,78	0	0	0
IPR004780	71	0,78	0	0	0
IPR003783	58	0,78	3	0,04	0
IPR002882	50	0,78	184	2,87	0
IPR010198	35	0,78	0	0	0
IPR025306	5	0,78	0	0	0
IPR028330	1	0,78	0	0	0
IPR001738	1	0,78	1	0,78	0
IPR019240	5	0,77	63	9,68	3
IPR019800	67	0,77	687	7,93	39
IPR014030	342	0,77	3138	7,11	177
IPR015928	279	0,77	1353	3,75	41
IPR007085	73	0,77	201	2,11	5
IPR004143	189	0,77	574	2,34	9
IPR004540	77	0,77	157	1,58	4
IPR002716	178	0,77	800	3,46	8
IPR009056	323	0,77	455	1,08	9
IPR001537	287	0,77	233	0,62	4
IPR011604	84	0,77	0	0	0
IPR004398	72	0,77	0	0	0
IPR000519	7	0,77	1	0,11	0
IPR025145	2	0,77	0	0	0
IPR021613	1	0,77	0	0	0
IPR009049	62	0,76	239	2,93	13
IPR006640	43	0,76	216	3,81	8
IPR001663	63	0,76	179	2,16	10
IPR005481	263	0,76	1191	3,46	30
IPR000182	1697	0,76	6072	2,71	181
IPR023582	62	0,76	352	4,34	5
IPR003754	67	0,76	200	2,26	4
IPR020541	66	0,76	206	2,36	4
IPR000559	57	0,76	258	3,45	4
IPR004393	49	0,76	162	2,52	3
IPR005719	44	0,76	128	2,22	3
IPR001915	166	0,76	489	2,23	8
IPR000297	157	0,76	333	1,61	8
IPR002820	51	0,76	128	1,91	3
IPR003961	315	0,76	531	1,28	13
IPR004516	100	0,76	237	1,81	4
IPR005854	68	0,76	196	2,18	3
IPR011322	167	0,76	202	0,92	4
IPR019757	83	0,76	125	1,14	2
IPR004655	65	0,76	0	0	0
IPR004373	64	0,76	1	0,01	0
IPR003758	37	0,76	0	0	0
IPR010038	5	0,76	0	0	0
IPR002724	3	0,76	0	0	0
IPR017957	3	0,76	0	0	0

IPR026797	1	0,76	0	0	0
IPR004153	1	0,76	1	0,76	0
IPR006532	1	0,76	0	0	0
IPR026959	1	0,76	1	0,76	0
IPR027243	7	0,75	629	67,56	24
IPR002539	107	0,75	704	4,95	21
IPR001126	139	0,75	636	3,43	18
IPR017961	127	0,75	624	3,69	17
IPR023013	47	0,75	168	2,7	5
IPR003738	41	0,75	178	3,27	4
IPR027065	121	0,75	368	2,28	8
IPR004769	76	0,75	217	2,15	5
IPR001977	71	0,75	208	2,2	4
IPR013842	68	0,75	148	1,64	4
IPR023045	47	0,75	73	1,16	2
IPR001789	2243	0,75	2425	0,81	62
IPR007630	257	0,75	1	0	0
IPR000825	111	0,75	0	0	0
IPR015963	69	0,75	0	0	0
IPR019984	62	0,75	2	0,02	0
IPR022369	33	0,75	0	0	0
IPR014859	2	0,75	0	0	0
IPR014031	317	0,74	2995	6,95	178
IPR003448	49	0,74	109	1,64	4
IPR012135	100	0,74	278	2,06	7
IPR015807	70	0,74	148	1,56	4
IPR004450	68	0,74	199	2,16	4
IPR013185	83	0,74	3	0,03	0
IPR027492	52	0,74	0	0	0
IPR023457	30	0,74	0	0	0
IPR013543	7	0,74	0	0	0
IPR006624	3	0,74	5	1,24	0
IPR019174	1	0,74	0	0	0
IPR001452	201	0,73	4728	17,13	101
IPR000706	45	0,73	193	3,12	4
IPR000905	136	0,73	398	2,13	7
IPR006297	65	0,73	142	1,59	4
IPR023046	37	0,73	39	0,77	2
IPR000788	102	0,73	286	2,04	4
IPR011006	2260	0,73	2440	0,79	62
IPR015939	122	0,73	262	1,56	4
IPR011130	76	0,73	0	0	0
IPR022973	63	0,73	66	0,77	0
IPR019499	63	0,73	22	0,25	0
IPR004613	60	0,73	1	0,01	0
IPR020549	57	0,73	0	0	0
IPR005986	41	0,73	0	0	0
IPR013544	2	0,73	0	0	0
IPR021947	1	0,73	0	0	0
IPR003980	1	0,73	1	0,73	0

IPR027033	1	0,72	62	44,6	4
IPR023419	20	0,72	57	2,05	3
IPR001692	52	0,72	246	3,41	6
IPR017959	51	0,72	153	2,15	5
IPR006062	104	0,72	382	2,64	9
IPR011063	110	0,72	329	2,16	7
IPR014314	33	0,72	206	4,47	2
IPR000836	438	0,72	1005	1,66	15
IPR011342	54	0,72	0	0	0
IPR011645	8	0,72	1	0,09	0
IPR018245	5	0,72	0	0	0
IPR001835	1	0,72	0	0	0
IPR004199	41	0,71	148	2,55	12
IPR006274	75	0,71	374	3,54	8
IPR012202	47	0,71	139	2,1	4
IPR023031	61	0,71	313	3,62	4
IPR005248	60	0,71	226	2,66	4
IPR013346	74	0,71	274	2,64	4
IPR002695	66	0,71	233	2,51	4
IPR020046	93	0,71	0	0	0
IPR004635	42	0,71	0	0	0
IPR007507	37	0,71	0	0	0
IPR028204	10	0,71	0	0	0
IPR007815	8	0,71	63	5,6	0
IPR009744	1	0,71	0	0	0
IPR016271	1	0,7	142	99,3	3
IPR000587	101	0,7	292	2,03	7
IPR003952	59	0,7	247	2,91	4
IPR004469	43	0,7	158	2,59	3
IPR013815	703	0,7	1877	1,86	45
IPR008926	78	0,7	277	2,49	4
IPR001796	72	0,7	247	2,39	4
IPR003601	132	0,7	211	1,12	4
IPR006145	379	0,7	348	0,64	4
IPR005263	67	0,7	0	0	0
IPR008970	63	0,7	1	0,01	0
IPR001228	62	0,7	4	0,05	0
IPR004881	61	0,7	5	0,06	0
IPR002696	46	0,7	0	0	0
IPR004639	46	0,7	0	0	0
IPR013625	5	0,7	0	0	0
IPR014956	3	0,7	0	0	0
IPR009565	1	0,7	1	0,7	0
IPR022241	1	0,7	0	0	0
IPR004825	1	0,7	0	0	0
IPR024312	1	0,69	143	99,31	3
IPR006248	8	0,69	470	40,59	13
IPR020855	54	0,69	519	6,59	17
IPR010102	32	0,69	220	4,72	10
IPR013108	73	0,69	358	3,37	19

IPR000868	206	0,69	1000	3,33	34
IPR017850	508	0,69	2081	2,82	69
IPR002195	66	0,69	369	3,85	9
IPR009075	423	0,69	1912	3,12	51
IPR007698	69	0,69	337	3,35	8
IPR002474	84	0,69	376	3,11	8
IPR006075	49	0,69	152	2,15	4
IPR018027	46	0,69	147	2,19	4
IPR008181	43	0,69	199	3,2	4
IPR004115	65	0,69	188	2	4
IPR017867	100	0,69	234	1,61	4
IPR006258	91	0,69	205	1,56	4
IPR018094	60	0,69	200	2,3	3
IPR001254	213	0,69	227	0,73	7
IPR013751	89	0,69	97	0,75	3
IPR013114	93	0,69	0	0	0
IPR003329	60	0,69	1	0,01	0
IPR001653	52	0,69	0	0	0
IPR018510	48	0,69	0	0	0
IPR009729	4	0,69	0	0	0
IPR014541	4	0,69	0	0	0
IPR024030	1	0,69	0	0	0
IPR021497	1	0,69	0	0	0
IPR012956	1	0,69	0	0	0
IPR004601	6	0,68	136	15,47	4
IPR018495	24	0,68	216	6,15	2
IPR008269	103	0,68	351	2,31	8
IPR003732	51	0,68	196	2,62	4
IPR023509	51	0,68	198	2,64	4
IPR013538	61	0,68	207	2,31	4
IPR000241	54	0,68	173	2,18	3
IPR005940	49	0,68	172	2,39	3
IPR005677	47	0,68	205	2,97	3
IPR026019	64	0,68	169	1,79	3
IPR003602	126	0,68	217	1,17	4
IPR012089	38	0,68	98	1,76	1
IPR018274	111	0,68	30	0,18	0
IPR023058	68	0,68	52	0,52	0
IPR020635	61	0,68	0	0	0
IPR025501	58	0,68	0	0	0
IPR018265	53	0,68	13	0,17	0
IPR003742	50	0,68	1	0,01	0
IPR005616	34	0,68	0	0	0
IPR005288	32	0,68	0	0	0
IPR018056	10	0,68	0	0	0
IPR019639	6	0,68	0	0	0
IPR018952	3	0,68	0	0	0
IPR003082	1	0,68	0	0	0
IPR025444	2	0,67	84	28,28	5
IPR019327	2	0,67	177	59,6	4

IPR006995	1	0,67	148	99,33	2
IPR006838	5	0,67	258	34,54	4
IPR000791	23	0,67	782	22,61	14
IPR010679	10	0,67	20	1,34	3
IPR006035	78	0,67	635	5,44	21
IPR020615	135	0,67	825	4,08	16
IPR001130	119	0,67	470	2,64	12
IPR003615	203	0,67	774	2,54	15
IPR024072	162	0,67	475	1,96	12
IPR018168	51	0,67	181	2,38	4
IPR023406	113	0,67	141	0,84	0
IPR013852	66	0,67	2	0,02	0
IPR011768	59	0,67	0	0	0
IPR010231	48	0,67	0	0	0
IPR008367	1	0,67	0	0	0
IPR011874	1	0,67	0	0	0
IPR026608	1	0,67	4	2,67	0
IPR024655	5	0,66	449	59,23	15
IPR006589	155	0,66	699	3	24
IPR006091	396	0,66	1906	3,16	49
IPR017871	3501	0,66	7005	1,31	242
IPR005990	67	0,66	283	2,78	4
IPR005106	85	0,66	215	1,66	4
IPR011344	122	0,66	167	0,9	4
IPR013765	124	0,66	22	0,12	0
IPR023635	92	0,66	1	0,01	0
IPR020584	82	0,66	0	0	0
IPR010914	56	0,66	0	0	0
IPR018294	46	0,66	5	0,07	0
IPR025652	16	0,66	32	1,31	0
IPR027995	6	0,66	0	0	0
IPR018629	5	0,66	0	0	0
IPR018141	2	0,66	0	0	0
IPR027535	1	0,65	154	99,35	3
IPR006181	4	0,65	253	41,34	9
IPR017981	43	0,65	301	4,58	17
IPR023696	76	0,65	637	5,42	21
IPR001958	105	0,65	645	3,98	26
IPR009959	80	0,65	223	1,81	16
IPR007300	55	0,65	103	1,21	8
IPR009100	408	0,65	1937	3,08	51
IPR000362	213	0,65	749	2,28	25
IPR002376	177	0,65	529	1,94	16
IPR018485	214	0,65	694	2,11	15
IPR005996	50	0,65	152	1,97	4
IPR012319	68	0,65	139	1,34	4
IPR024051	58	0,65	231	2,57	4
IPR005467	1418	0,65	2004	0,91	54
IPR015867	113	0,65	194	1,12	4
IPR002142	83	0,65	14	0,11	0

IPR025589	28	0,65	0	0	0
IPR008211	10	0,65	1	0,07	0
IPR016755	3	0,65	0	0	0
IPR016582	1	0,65	0	0	0
IPR000845	211	0,64	1747	5,28	91
IPR004113	110	0,64	758	4,44	29
IPR018524	13	0,64	196	9,66	3
IPR004007	61	0,64	335	3,5	12
IPR023585	50	0,64	207	2,64	5
IPR002496	46	0,64	209	2,91	4
IPR016037	54	0,64	139	1,64	4
IPR002043	53	0,64	226	2,74	4
IPR020559	52	0,64	167	2,04	4
IPR019574	52	0,64	173	2,12	4
IPR015886	67	0,64	141	1,35	4
IPR004408	65	0,64	204	2,01	4
IPR024177	39	0,64	143	2,33	1
IPR004504	63	0,64	10	0,1	1
IPR000181	88	0,64	1	0,01	0
IPR013498	77	0,64	1	0,01	0
IPR023382	57	0,64	90	1	0
IPR002310	39	0,64	0	0	0
IPR002861	4	0,64	0	0	0
IPR028212	1	0,64	8	5,13	0
IPR008812	1	0,63	158	99,37	4
IPR014767	6	0,63	182	19,18	4
IPR008179	43	0,63	209	3,04	4
IPR026017	53	0,63	203	2,42	4
IPR001783	52	0,63	204	2,46	4
IPR020560	59	0,63	207	2,21	4
IPR004114	81	0,63	197	1,53	4
IPR013509	74	0,63	276	2,34	4
IPR013483	42	0,63	121	1,81	2
IPR007901	63	0,63	180	1,8	2
IPR004035	65	0,63	25	0,24	1
IPR004570	64	0,63	24	0,24	1
IPR004401	57	0,63	0	0	0
IPR001119	55	0,63	0	0	0
IPR006366	52	0,63	59	0,72	0
IPR004549	50	0,63	0	0	0
IPR010034	27	0,63	1	0,02	0
IPR013806	17	0,63	1	0,04	0
IPR011644	7	0,63	0	0	0
IPR001751	7	0,63	4	0,36	0
IPR004269	2	0,63	0	0	0
IPR015005	1	0,63	0	0	0
IPR002995	3	0,62	212	43,71	4
IPR000751	4	0,62	210	32,66	4
IPR026591	59	0,62	1006	10,49	27
IPR004942	17	0,62	104	3,81	4

IPR001114	58	0,62	164	1,75	5
IPR005875	45	0,62	193	2,64	4
IPR004412	38	0,62	158	2,57	3
IPR000031	64	0,62	213	2,06	4
IPR016009	58	0,62	189	2,03	4
IPR003733	68	0,62	181	1,66	2
IPR013848	98	0,62	4	0,03	0
IPR002986	56	0,62	2	0,02	0
IPR004792	54	0,62	2	0,02	0
IPR004410	50	0,62	2	0,02	0
IPR020067	14	0,62	102	4,51	0
IPR013618	3	0,62	0	0	0
IPR026244	1	0,62	4	2,47	0
IPR021743	1	0,62	0	0	0
IPR013876	2	0,61	175	53,68	4
IPR019412	4	0,61	239	36,66	4
IPR011701	1886	0,61	27175	8,77	1377
IPR001853	71	0,61	428	3,69	17
IPR016117	42	0,61	225	3,25	10
IPR007886	61	0,61	339	3,41	8
IPR016185	538	0,61	1907	2,17	56
IPR005147	59	0,61	216	2,25	4
IPR005121	57	0,61	198	2,11	4
IPR009082	1079	0,61	1749	0,98	48
IPR010505	45	0,61	131	1,77	2
IPR003088	110	0,61	219	1,22	4
IPR006224	168	0,61	281	1,02	4
IPR020625	79	0,61	4	0,03	0
IPR004506	64	0,61	94	0,9	0
IPR004214	4	0,61	0	0	0
IPR016105	3	0,61	0	0	0
IPR021870	1	0,61	0	0	0
IPR003655	1	0,61	0	0	0
IPR016062	1	0,61	0	0	0
IPR024259	1	0,61	0	0	0
IPR015143	1	0,61	0	0	0
IPR014608	1	0,61	30	18,18	0
IPR011234	132	0,6	905	4,09	47
IPR023230	41	0,6	93	1,37	7
IPR018484	188	0,6	663	2,1	15
IPR005111	51	0,6	151	1,76	4
IPR000550	57	0,6	203	2,14	4
IPR020561	57	0,6	212	2,21	4
IPR026599	46	0,6	186	2,44	3
IPR006549	81	0,6	187	1,38	4
IPR006221	70	0,6	299	2,56	4
IPR020476	195	0,6	218	0,67	5
IPR002205	125	0,6	277	1,32	4
IPR006070	104	0,6	257	1,47	4
IPR015273	51	0,6	38	0,45	0



IPR010230	42	0,6	0	0	0
IPR000191	40	0,6	0	0	0
IPR025598	10	0,6	60	3,57	0
IPR015003	6	0,6	0	0	0
IPR008884	5	0,6	1	0,12	0
IPR018714	5	0,6	46	5,54	0
IPR014262	1	0,6	0	0	0
IPR014783	1	0,6	2	1,19	0
IPR011241	1	0,59	166	98,22	4
IPR013860	4	0,59	667	97,94	14
IPR002529	129	0,59	896	4,13	47
IPR022761	193	0,59	723	2,22	22
IPR000049	37	0,59	146	2,34	4
IPR018357	240	0,59	410	1,01	20
IPR004467	48	0,59	325	3,99	4
IPR014361	22	0,59	170	4,57	2
IPR020562	55	0,59	199	2,15	4
IPR010978	174	0,59	440	1,5	8
IPR024185	107	0,59	208	1,15	3
IPR000715	100	0,59	203	1,2	4
IPR000312	96	0,59	202	1,25	4
IPR018220	51	0,59	143	1,66	2
IPR004733	49	0,59	192	2,31	2
IPR025121	52	0,59	1	0,01	0
IPR001333	15	0,59	0	0	0
IPR008593	10	0,59	1	0,06	0
IPR009311	2	0,59	66	19,47	0
IPR018780	1	0,59	1	0,59	0
IPR022845	1	0,59	0	0	0
IPR028290	1	0,59	0	0	0
IPR021937	1	0,59	0	0	0
IPR006680	212	0,58	1016	2,79	49
IPR000304	65	0,58	326	2,9	13
IPR001674	53	0,58	190	2,06	5
IPR005855	60	0,58	250	2,43	4
IPR003583	443	0,58	782	1,02	22
IPR010280	92	0,58	214	1,34	3
IPR001207	80	0,58	7	0,05	0
IPR004498	44	0,58	0	0	0
IPR020055	41	0,58	0	0	0
IPR015944	36	0,58	0	0	0
IPR014434	25	0,58	88	2,03	0
IPR013966	1	0,57	172	98,85	5
IPR015289	1	0,57	78	44,57	3
IPR014307	7	0,57	74	6	4
IPR006056	57	0,57	415	4,13	14
IPR005999	43	0,57	236	3,15	8
IPR017849	402	0,57	1995	2,81	67
IPR008278	105	0,57	613	3,36	12
IPR025777	54	0,57	192	2,03	5

IPR027368	48	0,57	194	2,3	4
IPR026904	47	0,57	192	2,32	4
IPR004413	36	0,57	128	2,01	3
IPR001754	83	0,57	342	2,34	6
IPR005843	144	0,57	549	2,16	8
IPR011991	6789	0,57	10123	0,86	245
IPR012280	103	0,57	246	1,36	4
IPR000385	48	0,57	122	1,44	2
IPR011033	79	0,57	1	0,01	0
IPR004389	48	0,57	0	0	0
IPR018063	44	0,57	0	0	0
IPR024109	38	0,57	48	0,72	0
IPR024107	37	0,57	18	0,28	0
IPR020936	29	0,57	0	0	0
IPR006212	25	0,57	27	0,61	0
IPR002153	6	0,57	2	0,19	0
IPR000607	2	0,57	1	0,29	0
IPR007565	1	0,57	0	0	0
IPR004404	43	0,56	310	4,06	8
IPR018948	47	0,56	188	2,25	4
IPR017958	36	0,56	137	2,13	3
IPR004529	51	0,56	200	2,19	4
IPR000115	51	0,56	200	2,18	4
IPR006390	56	0,56	188	1,89	3
IPR025669	103	0,56	130	0,71	3
IPR000121	118	0,56	32	0,15	0
IPR013825	87	0,56	13	0,08	0
IPR013519	17	0,56	28	0,92	0
IPR023900	2	0,56	0	0	0
IPR012996	1	0,56	0	0	0
IPR002499	1	0,56	0	0	0
IPR014915	1	0,56	0	0	0
IPR027326	1	0,56	39	21,67	0
IPR026886	1	0,55	156	85,25	5
IPR016340	1	0,55	182	99,45	3
IPR009783	6	0,55	103	9,46	4
IPR015223	6	0,55	105	9,65	4
IPR020621	18	0,55	160	4,88	4
IPR001917	100	0,55	550	3,04	14
IPR005849	32	0,55	190	3,28	4
IPR016066	129	0,55	556	2,37	8
IPR011034	80	0,55	55	0,38	4
IPR022695	39	0,55	39	0,55	2
IPR013758	113	0,55	273	1,32	4
IPR022998	70	0,55	182	1,44	2
IPR012347	263	0,55	205	0,43	7
IPR023970	119	0,55	4	0,02	0
IPR020612	102	0,55	4	0,02	0
IPR006645	76	0,55	19	0,14	0
IPR005064	61	0,55	1	0,01	0

IPR020594	47	0,55	1	0,01	0
IPR003682	46	0,55	0	0	0
IPR024904	45	0,55	0	0	0
IPR004771	44	0,55	21	0,26	0
IPR005720	36	0,55	21	0,32	0
IPR006573	3	0,55	1	0,18	0
IPR003119	2	0,55	1	0,27	0
IPR027842	1	0,54	183	99,46	4
IPR001248	56	0,54	1465	14,03	68
IPR004119	10	0,54	116	6,3	7
IPR006905	10	0,54	98	5,24	3
IPR015518	56	0,54	226	2,18	8
IPR018206	34	0,54	123	1,95	4
IPR019897	59	0,54	179	1,64	6
IPR000447	57	0,54	257	2,46	5
IPR004416	44	0,54	188	2,3	4
IPR006132	113	0,54	403	1,92	9
IPR024176	60	0,54	51	0,46	4
IPR010722	56	0,54	184	1,76	4
IPR003607	406	0,54	823	1,1	20
IPR014776	157	0,54	399	1,38	8
IPR000631	49	0,54	204	2,26	3
IPR002792	130	0,54	145	0,6	0
IPR001505	125	0,54	457	1,97	1
IPR005839	84	0,54	3	0,02	0
IPR002903	48	0,54	3	0,03	0
IPR003453	47	0,54	0	0	0
IPR010998	43	0,54	152	1,91	0
IPR013597	23	0,54	8	0,19	0
IPR024530	16	0,54	0	0	0
IPR010136	5	0,54	0	0	0
IPR019577	4	0,54	0	0	0
IPR024559	2	0,54	0	0	0
IPR007158	2	0,54	0	0	0
IPR007153	2	0,54	0	0	0
IPR018526	1	0,54	0	0	0
IPR010730	27	0,53	5098	99,4	369
IPR005605	1	0,53	188	99,47	4
IPR025975	2	0,53	51	13,53	1
IPR001762	14	0,53	182	6,93	4
IPR027477	123	0,53	686	2,98	17
IPR013749	92	0,53	473	2,72	9
IPR014780	47	0,53	209	2,35	4
IPR011538	60	0,53	176	1,57	4
IPR003560	15	0,53	16	0,57	1
IPR002637	52	0,53	221	2,23	3
IPR012094	48	0,53	139	1,53	3
IPR004520	44	0,53	164	1,99	2
IPR012795	47	0,53	92	1,03	1
IPR017968	43	0,53	64	0,79	1

IPR002059	168	0,53	34	0,11	0
IPR003489	61	0,53	0	0	0
IPR020599	57	0,53	2	0,02	0
IPR015864	49	0,53	2	0,02	0
IPR000238	46	0,53	1	0,01	0
IPR005765	39	0,53	3	0,04	0
IPR012983	3	0,53	0	0	0
IPR004519	2	0,53	56	14,81	0
IPR018687	2	0,53	0	0	0
IPR027740	1	0,53	0	0	0
IPR001265	1	0,53	2	1,06	0
IPR023339	1	0,53	1	0,53	0
IPR013786	279	0,52	1708	3,15	49
IPR005110	49	0,52	177	1,88	7
IPR008909	76	0,52	277	1,91	8
IPR011607	117	0,52	619	2,76	12
IPR025867	43	0,52	180	2,17	4
IPR003837	33	0,52	56	0,89	3
IPR002082	56	0,52	196	1,84	4
IPR005146	60	0,52	235	2,05	4
IPR019844	137	0,52	8	0,03	0
IPR008189	52	0,52	0	0	0
IPR017918	45	0,52	0	0	0
IPR023799	45	0,52	1	0,01	0
IPR002583	44	0,52	0	0	0
IPR020815	22	0,52	0	0	0
IPR008858	4	0,52	1	0,13	0
IPR004245	3	0,52	0	0	0
IPR019928	1	0,52	0	0	0
IPR021350	1	0,52	0	0	0
IPR022019	1	0,52	0	0	0
IPR022065	1	0,52	0	0	0
IPR008350	1	0,52	13	6,74	0
IPR025702	1	0,51	93	47,69	9
IPR018810	1	0,51	195	99,49	4
IPR018564	1	0,51	192	97,96	3
IPR004352	3	0,51	123	20,85	3
IPR002151	6	0,51	150	12,86	1
IPR000534	109	0,51	475	2,22	12
IPR006089	139	0,51	523	1,93	14
IPR004607	43	0,51	177	2,1	4
IPR001636	42	0,51	195	2,36	4
IPR010139	38	0,51	189	2,54	3
IPR008180	68	0,51	271	2,02	4
IPR003135	60	0,51	219	1,88	4
IPR000489	85	0,51	236	1,42	4
IPR017459	78	0,51	172	1,13	3
IPR028082	736	0,51	16	0,01	0
IPR023151	95	0,51	25	0,13	0
IPR008880	49	0,51	2	0,02	0

IPR011619	39	0,51	1	0,01	0
IPR020939	36	0,51	0	0	0
IPR006633	8	0,51	0	0	0
IPR001337	3	0,51	3	0,51	0
IPR017848	3	0,51	0	0	0
IPR022843	2	0,51	0	0	0
IPR012430	2	0,51	0	0	0
IPR002951	1	0,51	0	0	0
IPR021393	1	0,51	0	0	0
IPR024129	1	0,51	0	0	0
IPR022234	1	0,5	201	99,5	4
IPR016712	1	0,5	201	99,5	4
IPR011658	15	0,5	607	20,21	27
IPR018225	64	0,5	305	2,39	10
IPR021130	44	0,5	210	2,38	4
IPR004739	44	0,5	180	2,04	4
IPR004803	43	0,5	107	1,24	4
IPR020557	172	0,5	614	1,78	11
IPR000878	168	0,5	413	1,24	8
IPR002187	52	0,5	0	0	0
IPR002372	21	0,5	8	0,19	0
IPR022147	7	0,5	5	0,36	0
IPR019359	1	0,5	0	0	0
IPR021332	1	0,5	0	0	0
IPR021549	1	0,5	0	0	0
IPR026712	2	0,49	343	83,66	8
IPR019413	1	0,49	193	95,07	3
IPR027038	2	0,49	215	52,96	4
IPR013658	31	0,49	528	8,41	25
IPR003953	145	0,49	866	2,9	33
IPR004097	19	0,49	201	5,21	3
IPR002218	59	0,49	243	2,03	4
IPR010918	152	0,49	403	1,3	7
IPR006700	48	0,49	0	0	0
IPR023397	43	0,49	3	0,03	0
IPR003524	42	0,49	0	0	0
IPR020053	35	0,49	0	0	0
IPR003142	32	0,49	64	0,98	0
IPR028348	12	0,49	0	0	0
IPR001800	4	0,49	0	0	0
IPR003647	3	0,49	139	22,9	0
IPR002568	1	0,49	0	0	0
IPR026765	1	0,49	0	0	0
IPR023993	1	0,49	0	0	0
IPR023923	1	0,49	0	0	0
IPR019402	6	0,48	414	33,44	10
IPR016137	26	0,48	1176	21,52	42
IPR006175	117	0,48	985	4,06	53
IPR004136	51	0,48	736	6,98	20
IPR016201	22	0,48	87	1,89	5

IPR004104	129	0,48	631	2,37	26
IPR003382	81	0,48	471	2,79	11
IPR005861	40	0,48	185	2,24	4
IPR008284	55	0,48	140	1,23	4
IPR001555	52	0,48	92	0,85	4
IPR010994	265	0,48	627	1,12	16
IPR006027	78	0,48	0	0	0
IPR001304	57	0,48	19	0,16	0
IPR026906	37	0,48	20	0,26	0
IPR010970	35	0,48	0	0	0
IPR004800	34	0,48	1	0,01	0
IPR005247	31	0,48	0	0	0
IPR010297	5	0,48	5	0,48	0
IPR027309	3	0,48	0	0	0
IPR021692	1	0,48	0	0	0
IPR023808	1	0,48	0	0	0
IPR015047	1	0,48	0	0	0
IPR024982	1	0,47	196	91,59	4
IPR015374	2	0,47	279	65,65	5
IPR002051	5	0,47	162	15,28	4
IPR001261	106	0,47	623	2,74	30
IPR018085	38	0,47	198	2,47	4
IPR001352	53	0,47	214	1,88	4
IPR010971	45	0,47	190	1,96	4
IPR001792	53	0,47	102	0,9	3
IPR022955	35	0,47	154	2,05	2
IPR004651	31	0,47	140	2,1	2
IPR016188	146	0,47	401	1,3	7
IPR011605	40	0,47	0	0	0
IPR003091	31	0,47	27	0,41	0
IPR024499	8	0,47	0	0	0
IPR018301	6	0,47	5	0,4	0
IPR010127	3	0,47	0	0	0
IPR007743	2	0,47	47	11,06	0
IPR008518	1	0,47	0	0	0
IPR003590	1	0,47	0	0	0
IPR018851	1	0,46	131	60,09	4
IPR005036	4	0,46	357	40,71	4
IPR014311	16	0,46	280	8	9
IPR011048	86	0,46	267	1,43	14
IPR002931	55	0,46	334	2,79	8
IPR001131	52	0,46	285	2,51	4
IPR015875	63	0,46	257	1,87	4
IPR018951	57	0,46	225	1,82	4
IPR014777	147	0,46	400	1,25	7
IPR006638	455	0,46	712	0,72	14
IPR001241	137	0,46	313	1,05	4
IPR019307	44	0,46	0	0	0
IPR011961	38	0,46	0	0	0
IPR019980	38	0,46	0	0	0

IPR000436	32	0,46	1	0,01	0
IPR005675	5	0,46	0	0	0
IPR002321	5	0,46	0	0	0
IPR021327	3	0,46	0	0	0
IPR009218	3	0,46	4	0,61	0
IPR025424	2	0,46	2	0,46	0
IPR014918	2	0,46	0	0	0
IPR010929	7	0,45	1414	90,58	59
IPR014980	3	0,45	157	23,79	7
IPR023389	3	0,45	162	24,29	7
IPR010960	10	0,45	274	12,46	7
IPR013813	124	0,45	1067	3,88	55
IPR006101	46	0,45	208	2,03	17
IPR007247	12	0,45	186	6,95	3
IPR024088	46	0,45	192	1,88	4
IPR001093	70	0,45	284	1,82	4
IPR024567	52	0,45	213	1,85	4
IPR004636	44	0,45	180	1,84	3
IPR013221	250	0,45	536	0,97	12
IPR013759	117	0,45	290	1,12	4
IPR005905	58	0,45	60	0,46	3
IPR008279	115	0,45	31	0,12	0
IPR007214	95	0,45	95	0,45	0
IPR003834	56	0,45	1	0,01	0
IPR001295	47	0,45	165	1,58	0
IPR019614	45	0,45	0	0	0
IPR005667	38	0,45	0	0	0
IPR019813	30	0,45	0	0	0
IPR014047	10	0,45	17	0,77	0
IPR026838	4	0,45	0	0	0
IPR008795	2	0,45	1	0,22	0
IPR019230	1	0,45	0	0	0
IPR026088	1	0,45	0	0	0
IPR025223	1	0,45	0	0	0
IPR022745	1	0,44	224	99,56	4
IPR013950	1	0,44	162	70,74	4
IPR010451	5	0,44	130	11,32	8
IPR010300	7	0,44	173	10,96	6
IPR002220	91	0,44	696	3,4	41
IPR002734	58	0,44	224	1,69	8
IPR000106	43	0,44	188	1,91	4
IPR002052	324	0,44	694	0,94	19
IPR009010	210	0,44	653	1,36	12
IPR023485	71	0,44	209	1,29	4
IPR006171	304	0,44	492	0,71	8
IPR004027	67	0,44	1	0,01	0
IPR000887	43	0,44	1	0,01	0
IPR002676	36	0,44	0	0	0
IPR012223	14	0,44	2	0,06	0
IPR007136	3	0,44	0	0	0

IPR012496	3	0,44	0	0	0
IPR010622	2	0,44	0	0	0
IPR003133	2	0,44	0	0	0
IPR010751	1	0,44	0	0	0
IPR022587	1	0,44	0	0	0
IPR008441	3	0,43	83	12,01	12
IPR013240	1	0,43	169	71,91	4
IPR012198	3	0,43	200	28,69	5
IPR019564	2	0,43	203	44,13	3
IPR014084	3	0,43	68	9,66	4
IPR000533	7	0,43	240	14,77	4
IPR000802	23	0,43	100	1,87	5
IPR005483	60	0,43	406	2,93	11
IPR013651	21	0,43	189	3,86	4
IPR004737	17	0,43	132	3,32	3
IPR025202	106	0,43	541	2,22	12
IPR001453	112	0,43	374	1,43	11
IPR026564	47	0,43	172	1,56	4
IPR004527	42	0,43	169	1,72	4
IPR012255	42	0,43	197	2	4
IPR003691	46	0,43	206	1,94	3
IPR007197	551	0,43	956	0,75	20
IPR004101	221	0,43	511	1,01	10
IPR001221	53	0,43	30	0,24	1
IPR000310	53	0,43	0	0	0
IPR019774	9	0,43	8	0,38	0
IPR000435	5	0,43	0	0	0
IPR014187	3	0,43	0	0	0
IPR009654	3	0,43	0	0	0
IPR023163	3	0,43	0	0	0
IPR024007	3	0,43	0	0	0
IPR021913	1	0,43	0	0	0
IPR013394	1	0,43	0	0	0
IPR020420	1	0,43	0	0	0
IPR021259	1	0,43	0	0	0
IPR017628	1	0,43	0	0	0
IPR019344	1	0,43	1	0,43	0
IPR025524	1	0,43	0	0	0
IPR020843	11	0,42	749	28,43	53
IPR019449	1	0,42	228	95,8	4
IPR002112	2	0,42	136	28,87	6
IPR025789	2	0,42	198	41,34	4
IPR010349	4	0,42	36	3,81	3
IPR018229	7	0,42	104	6,17	4
IPR012577	9	0,42	145	6,79	4
IPR011059	281	0,42	1684	2,49	98
IPR000581	59	0,42	447	3,19	16
IPR003789	48	0,42	290	2,52	9
IPR005793	48	0,42	93	0,82	4
IPR003694	39	0,42	146	1,56	4



IPR006847	38	0,42	141	1,55	4
IPR026563	48	0,42	175	1,53	3
IPR002876	48	0,42	176	1,53	4
IPR023404	206	0,42	226	0,46	3
IPR011127	50	0,42	5	0,04	0
IPR008925	46	0,42	159	1,44	0
IPR004390	39	0,42	0	0	0
IPR001566	38	0,42	7	0,08	0
IPR000884	35	0,42	0	0	0
IPR016478	17	0,42	17	0,42	0
IPR003844	13	0,42	0	0	0
IPR004379	10	0,42	0	0	0
IPR001322	10	0,42	19	0,79	0
IPR017670	1	0,42	0	0	0
IPR022053	1	0,42	0	0	0
IPR028116	1	0,41	122	50,41	12
IPR024368	1	0,41	240	98,36	7
IPR002685	4	0,41	944	96,23	18
IPR011425	1	0,41	153	62,2	4
IPR013901	4	0,41	315	31,95	16
IPR021668	1	0,41	154	62,86	3
IPR026910	2	0,41	7	1,42	1
IPR000683	175	0,41	1585	3,69	72
IPR011330	203	0,41	1676	3,39	79
IPR003033	55	0,41	242	1,79	6
IPR000728	123	0,41	395	1,32	6
IPR000445	76	0,41	180	0,98	4
IPR013506	122	0,41	294	0,99	4
IPR020751	45	0,41	133	1,22	1
IPR023616	1320	0,41	1078	0,33	2
IPR003043	49	0,41	130	1,09	0
IPR005761	37	0,41	1	0,01	0
IPR005358	36	0,41	1	0,01	0
IPR022450	35	0,41	3	0,04	0
IPR004573	25	0,41	0	0	0
IPR014769	15	0,41	0	0	0
IPR020050	10	0,41	0	0	0
IPR000800	3	0,41	0	0	0
IPR016331	2	0,41	0	0	0
IPR016104	2	0,41	0	0	0
IPR024032	1	0,41	0	0	0
IPR007972	1	0,41	0	0	0
IPR011975	1	0,41	0	0	0
IPR022211	1	0,41	0	0	0
IPR000898	3	0,4	527	71,12	23
IPR022596	1	0,4	235	94	7
IPR021264	1	0,4	246	99,6	4
IPR006275	39	0,4	367	3,74	7
IPR014731	40	0,4	203	2,05	4
IPR011335	234	0,4	640	1,08	12

IPR013760	185	0,4	302	0,66	4
IPR011095	51	0,4	30	0,23	1
IPR000883	1303	0,4	1085	0,34	2
IPR000291	47	0,4	9	0,08	0
IPR005733	35	0,4	0	0	0
IPR008168	15	0,4	0	0	0
IPR009613	2	0,4	0	0	0
IPR011094	2	0,4	0	0	0
IPR020354	1	0,4	0	0	0
IPR024501	1	0,4	0	0	0
IPR008555	1	0,4	27	10,93	0
IPR015708	1	0,4	0	0	0
IPR021233	1	0,4	0	0	0
IPR015045	1	0,4	0	0	0
IPR005154	2	0,39	64	12,55	4
IPR000342	18	0,39	925	20	28
IPR008352	3	0,39	332	43,57	3
IPR006400	2	0,39	21	4,14	2
IPR003807	21	0,39	1004	18,59	19
IPR020558	54	0,39	424	3,1	12
IPR016155	67	0,39	271	1,56	8
IPR014730	76	0,39	401	2,06	8
IPR023165	39	0,39	140	1,4	4
IPR018522	94	0,39	252	1,05	4
IPR001450	266	0,39	354	0,52	8
IPR016454	51	0,39	69	0,52	1
IPR007627	295	0,39	6	0,01	0
IPR006009	35	0,39	0	0	0
IPR026593	35	0,39	0	0	0
IPR005904	31	0,39	3	0,04	0
IPR005502	23	0,39	127	2,13	0
IPR003368	11	0,39	1	0,04	0
IPR015899	10	0,39	0	0	0
IPR027791	8	0,39	0	0	0
IPR005775	4	0,39	0	0	0
IPR018768	4	0,39	0	0	0
IPR025592	2	0,39	1	0,19	0
IPR009334	2	0,39	0	0	0
IPR018634	2	0,39	0	0	0
IPR016741	1	0,39	0	0	0
IPR027881	1	0,39	0	0	0
IPR026831	1	0,39	0	0	0
IPR006881	1	0,39	0	0	0
IPR011680	1	0,39	0	0	0
IPR008891	1	0,39	0	0	0
IPR025359	1	0,39	0	0	0
IPR013968	30	0,38	1562	19,88	120
IPR013956	1	0,38	181	69,08	4
IPR013636	1	0,38	141	53,82	3
IPR027377	2	0,38	72	13,51	5

IPR011008	314	0,38	2068	2,48	102
IPR002307	41	0,38	415	3,9	8
IPR004358	704	0,38	1843	1	50
IPR024946	130	0,38	414	1,21	11
IPR000801	75	0,38	288	1,44	5
IPR011005	79	0,38	233	1,12	4
IPR004559	33	0,38	1	0,01	0
IPR019196	6	0,38	1	0,06	0
IPR000562	4	0,38	0	0	0
IPR011030	4	0,38	5	0,47	0
IPR019195	3	0,38	9	1,14	0
IPR019912	2	0,38	0	0	0
IPR025282	2	0,38	0	0	0
IPR021312	2	0,38	0	0	0
IPR012434	2	0,38	0	0	0
IPR013015	1	0,38	1	0,38	0
IPR022205	1	0,38	1	0,38	0
IPR009567	1	0,37	139	51,67	4
IPR014430	1	0,37	190	70,63	4
IPR014043	79	0,37	2608	12,28	175
IPR016036	71	0,37	2141	11,04	150
IPR012681	7	0,37	431	22,97	10
IPR011576	59	0,37	556	3,52	14
IPR024654	96	0,37	396	1,54	17
IPR004036	42	0,37	183	1,6	4
IPR028261	57	0,37	196	1,28	4
IPR012080	44	0,37	183	1,55	3
IPR013325	302	0,37	5	0,01	0
IPR006194	45	0,37	3	0,02	0
IPR016914	29	0,37	1	0,01	0
IPR004172	5	0,37	3	0,22	0
IPR016471	3	0,37	2	0,24	0
IPR018708	2	0,37	0	0	0
IPR013524	2	0,37	0	0	0
IPR014519	2	0,37	1	0,18	0
IPR010531	2	0,37	0	0	0
IPR022915	1	0,37	0	0	0
IPR014741	1	0,37	0	0	0
IPR012662	1	0,37	0	0	0
IPR021234	1	0,37	0	0	0
IPR027713	2	0,36	316	56,73	9
IPR001370	5	0,36	223	16,03	12
IPR001227	81	0,36	2898	12,93	185
IPR004686	3	0,36	191	22,66	4
IPR001608	95	0,36	415	1,58	13
IPR011250	164	0,36	349	0,77	20
IPR011856	67	0,36	450	2,43	8
IPR016195	106	0,36	438	1,47	10
IPR005144	68	0,36	256	1,36	4
IPR014284	286	0,36	4	0,01	0

IPR003148	97	0,36	2	0,01	0
IPR005496	57	0,36	3	0,02	0
IPR007694	48	0,36	4	0,03	0
IPR008286	44	0,36	0	0	0
IPR005794	31	0,36	30	0,35	0
IPR005712	31	0,36	0	0	0
IPR005215	31	0,36	0	0	0
IPR011542	22	0,36	0	0	0
IPR007803	9	0,36	1	0,04	0
IPR001174	3	0,36	0	0	0
IPR019251	2	0,36	19	3,44	0
IPR010606	2	0,36	0	0	0
IPR024651	1	0,36	0	0	0
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IPR000254	6	0,35	1611	94,76	76
IPR018712	7	0,35	698	34,55	37
IPR018593	1	0,35	180	63,83	4
IPR019095	1	0,35	162	56,64	4
IPR011683	4	0,35	106	9,32	8
IPR001734	90	0,35	542	2,11	17
IPR004399	32	0,35	172	1,89	3
IPR006674	225	0,35	651	1	16
IPR003156	90	0,35	136	0,53	4
IPR014016	124	0,35	295	0,84	5
IPR011129	154	0,35	26	0,06	0
IPR016186	55	0,35	18	0,12	0
IPR027275	42	0,35	0	0	0
IPR023940	29	0,35	0	0	0
IPR028325	23	0,35	25	0,38	0
IPR017582	8	0,35	0	0	0
IPR008533	8	0,35	0	0	0
IPR008707	4	0,35	0	0	0
IPR021904	2	0,35	0	0	0
IPR012290	1	0,35	0	0	0
IPR021266	1	0,35	0	0	0
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IPR018531	3	0,34	161	18,13	13
IPR003378	4	0,34	257	21,95	9
IPR008313	7	0,34	282	13,79	12
IPR013529	8	0,34	58	2,5	5
IPR005000	50	0,34	488	3,28	26
IPR001308	30	0,34	193	2,2	4
IPR006935	126	0,34	559	1,51	16
IPR009051	165	0,34	439	0,91	8
IPR006311	373	0,34	63	0,06	1
IPR016184	19	0,34	0	0	0
IPR013424	11	0,34	0	0	0
IPR001273	7	0,34	6	0,29	0

IPR004156	5	0,34	0	0	0
IPR000079	2	0,34	7	1,18	0
IPR009569	2	0,34	0	0	0
IPR022606	1	0,34	0	0	0
IPR022134	1	0,34	0	0	0
IPR006757	1	0,34	43	14,43	0
IPR003306	1	0,34	4	1,37	0
IPR020916	1	0,34	0	0	0
IPR000334	1	0,33	163	53,97	5
IPR002018	38	0,33	2615	22,81	160
IPR019791	6	0,33	209	11,52	12
IPR024671	8	0,33	361	15,01	5
IPR010621	8	0,33	26	1,09	4
IPR005480	49	0,33	394	2,62	9
IPR005122	69	0,33	401	1,91	8
IPR018483	61	0,33	280	1,51	8
IPR013324	294	0,33	15	0,02	1
IPR002421	40	0,33	0	0	0
IPR003711	38	0,33	0	0	0
IPR022880	25	0,33	18	0,24	0
IPR004491	19	0,33	0	0	0
IPR011869	9	0,33	0	0	0
IPR015390	2	0,33	1	0,17	0
IPR006862	2	0,33	0	0	0
IPR006933	1	0,33	1	0,33	0
IPR007386	1	0,33	0	0	0
IPR007929	1	0,33	0	0	0
IPR007786	1	0,33	0	0	0
IPR020362	1	0,33	0	0	0
IPR027939	12	0,32	187	4,98	4
IPR013342	73	0,32	423	1,83	21
IPR012136	16	0,32	117	2,31	4
IPR022310	59	0,32	379	2,08	9
IPR020825	55	0,32	170	0,99	4
IPR011014	68	0,32	0	0	0
IPR008965	18	0,32	0	0	0
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IPR024690	2	0,32	0	0	0
IPR016662	2	0,32	0	0	0
IPR005077	2	0,32	0	0	0
IPR027039	2	0,32	0	0	0
IPR010896	2	0,32	127	20,42	0
IPR007555	1	0,32	0	0	0
IPR009160	1	0,31	292	91,82	5
IPR001139	6	0,31	192	10,01	10
IPR011566	4	0,31	196	15,28	4
IPR004030	4	0,31	19	1,48	4
IPR014105	8	0,31	83	3,18	4
IPR008009	5	0,31	95	5,83	2
IPR020821	11	0,31	203	5,77	4

IPR003781	76	0,31	608	2,51	15
IPR003500	31	0,31	118	1,18	6
IPR004042	6	0,31	160	8,37	1
IPR020595	34	0,31	193	1,79	4
IPR027277	22	0,31	184	2,61	3
IPR003399	59	0,31	0	0	0
IPR011557	29	0,31	0	0	0
IPR004441	27	0,31	62	0,71	0
IPR022935	14	0,31	0	0	0
IPR014818	9	0,31	1	0,03	0
IPR023862	3	0,31	0	0	0
IPR011791	2	0,31	0	0	0
IPR000769	2	0,31	0	0	0
IPR010394	2	0,31	0	0	0
IPR021754	1	0,31	0	0	0
IPR019615	1	0,31	0	0	0
IPR013211	1	0,31	0	0	0
IPR025495	1	0,31	0	0	0
IPR011118	4	0,3	607	45,71	56
IPR017153	1	0,3	164	48,96	4
IPR001522	2	0,3	276	41,63	5
IPR008220	11	0,3	454	12,39	11
IPR005930	10	0,3	228	6,77	5
IPR016187	73	0,3	228	0,92	8
IPR001054	315	0,3	252	0,24	5
IPR019462	41	0,3	0	0	0
IPR001188	38	0,3	1	0,01	0
IPR003339	38	0,3	0	0	0
IPR005759	33	0,3	29	0,26	0
IPR004659	27	0,3	0	0	0
IPR005118	27	0,3	0	0	0
IPR006463	21	0,3	1	0,01	0
IPR006141	11	0,3	105	2,82	0
IPR009722	8	0,3	1	0,04	0
IPR028201	4	0,3	36	2,69	0
IPR000663	1	0,3	4	1,21	0
IPR014991	1	0,3	0	0	0
IPR009207	1	0,3	25	7,4	0
IPR002620	1	0,3	0	0	0
IPR013616	2	0,29	684	97,99	14
IPR024071	3	0,29	191	18,17	15
IPR018228	42	0,29	318	2,23	9
IPR019554	59	0,29	172	0,83	4
IPR001920	42	0,29	36	0,25	3
IPR003695	30	0,29	178	1,71	2
IPR010916	37	0,29	43	0,34	0
IPR027299	33	0,29	194	1,7	0
IPR005218	25	0,29	0	0	0
IPR016153	20	0,29	0	0	0
IPR000397	20	0,29	0	0	0

IPR007691	15	0,29	0	0	0
IPR005323	5	0,29	0	0	0
IPR023181	2	0,29	0	0	0
IPR014986	1	0,29	0	0	0
IPR003436	1	0,29	0	0	0
IPR018684	1	0,29	0	0	0
IPR021341	1	0,29	0	0	0
IPR007568	5	0,28	1784	99,44	86
IPR010318	3	0,28	199	18,51	17
IPR027479	3	0,28	194	18,34	15
IPR006964	1	0,28	122	34,56	4
IPR000038	9	0,28	1337	41,32	24
IPR006218	54	0,28	455	2,33	9
IPR020817	56	0,28	127	0,64	5
IPR004556	36	0,28	95	0,75	2
IPR028002	2	0,28	7	0,99	0
IPR024534	2	0,28	2	0,28	0
IPR023384	1	0,28	0	0	0
IPR005268	1	0,28	0	0	0
IPR000335	1	0,28	0	0	0
IPR024161	1	0,28	0	0	0
IPR025451	1	0,28	119	32,96	0
IPR009970	1	0,28	8	2,22	0
IPR025773	1	0,28	0	0	0
IPR028011	1	0,28	0	0	0
IPR010551	1	0,28	1	0,28	0
IPR014861	1	0,28	0	0	0
IPR019826	22	0,27	1927	23,96	118
IPR001083	1	0,27	362	97,05	5
IPR003421	3	0,27	27	2,43	4
IPR013694	4	0,27	127	8,65	5
IPR014440	3	0,27	119	10,77	3
IPR020806	19	0,27	433	6,04	18
IPR004840	77	0,27	2459	8,49	67
IPR015637	6	0,27	171	7,62	4
IPR017860	18	0,27	270	4,06	7
IPR001590	12	0,27	190	4,22	4
IPR014017	87	0,27	245	0,75	4
IPR024925	23	0,27	5	0,06	0
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IPR016154	18	0,27	0	0	0
IPR003198	17	0,27	15	0,24	0
IPR010292	8	0,27	0	0	0
IPR025421	4	0,27	0	0	0
IPR003645	3	0,27	6	0,53	0
IPR017510	3	0,27	1	0,09	0
IPR025693	2	0,27	0	0	0
IPR018705	1	0,27	0	0	0
IPR014184	1	0,27	1	0,27	0
IPR022516	1	0,27	0	0	0

IPR000420	1	0,27	363	99,45	0
IPR000654	1	0,27	0	0	0
IPR000948	1	0,27	3	0,82	0
IPR021815	1	0,27	0	0	0
IPR005556	1	0,26	381	99,74	8
IPR020842	17	0,26	1318	19,9	109
IPR026829	1	0,26	174	45,19	5
IPR002642	3	0,26	753	65,19	13
IPR025700	6	0,26	225	9,84	5
IPR001466	73	0,26	1127	4,07	52
IPR002654	11	0,26	120	2,8	8
IPR013096	105	0,26	1005	2,44	54
IPR008964	38	0,26	12	0,08	2
IPR003115	63	0,26	65	0,27	0
IPR006691	44	0,26	0	0	0
IPR005666	10	0,26	0	0	0
IPR025156	7	0,26	0	0	0
IPR008619	4	0,26	0	0	0
IPR018745	4	0,26	0	0	0
IPR007184	4	0,26	20	1,32	0
IPR021760	2	0,26	1	0,13	0
IPR004232	2	0,26	0	0	0
IPR025235	2	0,26	0	0	0
IPR025336	2	0,26	0	0	0
IPR018724	2	0,26	29	3,81	0
IPR003457	2	0,26	1	0,13	0
IPR013428	1	0,26	0	0	0
IPR025395	1	0,26	0	0	0
IPR017518	1	0,26	0	0	0
IPR026705	1	0,25	180	45,8	5
IPR025633	1	0,25	65	16,33	4
IPR004206	1	0,25	236	58,56	4
IPR017939	3	0,25	125	10,62	7
IPR019019	1	0,25	66	16,71	1
IPR001303	55	0,25	554	2,48	28
IPR000771	43	0,25	412	2,35	20
IPR001604	11	0,25	202	4,51	4
IPR004472	20	0,25	112	1,41	3
IPR003749	33	0,25	92	0,69	4
IPR008867	13	0,25	7	0,13	1
IPR010663	36	0,25	47	0,33	2
IPR025662	98	0,25	266	0,68	0
IPR017770	4	0,25	8	0,49	0
IPR019795	3	0,25	0	0	0
IPR020008	2	0,25	1	0,13	0
IPR013662	2	0,25	1	0,12	0
IPR014821	2	0,25	1	0,13	0
IPR025325	2	0,25	0	0	0
IPR005090	2	0,25	1	0,13	0
IPR024385	1	0,25	0	0	0



IPR013042	1	0,25	0	0	0
IPR023388	1	0,25	0	0	0
IPR022050	1	0,25	0	0	0
IPR002633	1	0,25	0	0	0
IPR019257	3	0,24	254	20,34	8
IPR013993	1	0,24	78	18,53	2
IPR001354	55	0,24	451	1,96	22
IPR015942	41	0,24	252	1,49	14
IPR005511	9	0,24	161	4,3	2
IPR002288	43	0,24	0	0	0
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IPR011970	7	0,24	0	0	0
IPR004484	7	0,24	0	0	0
IPR028087	4	0,24	0	0	0
IPR009492	3	0,24	0	0	0
IPR021373	3	0,24	0	0	0
IPR000699	2	0,24	1	0,12	0
IPR021676	1	0,24	0	0	0
IPR009830	1	0,24	0	0	0
IPR007477	1	0,24	0	0	0
IPR005317	1	0,23	232	52,37	4
IPR000383	10	0,23	295	6,7	29
IPR001031	24	0,23	586	5,67	32
IPR018110	29	0,23	274	2,14	11
IPR003370	14	0,23	153	2,52	5
IPR024605	11	0,23	115	2,37	4
IPR001759	3	0,23	18	1,38	1
IPR005322	7	0,23	28	0,93	2
IPR013022	115	0,23	657	1,32	23
IPR004481	11	0,23	20	0,43	2
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IPR002586	91	0,23	7	0,02	0
IPR002549	61	0,23	0	0	0
IPR018496	50	0,23	0	0	0
IPR006667	16	0,23	54	0,78	0
IPR006415	12	0,23	28	0,54	0
IPR006385	9	0,23	0	0	0
IPR019302	1	0,23	0	0	0
IPR003531	1	0,23	0	0	0
IPR020726	1	0,23	3	0,7	0
IPR025904	1	0,23	0	0	0
IPR025058	1	0,23	0	0	0
IPR003515	1	0,23	0	0	0
IPR021331	1	0,23	67	15,33	0
IPR025748	1	0,23	0	0	0
IPR025460	1	0,23	0	0	0

IPR013397	1	0,23	0	0	0
IPR013994	1	0,22	341	75,78	28
IPR002974	1	0,22	446	99,78	7
IPR005674	6	0,22	281	10,37	27
IPR008757	4	0,22	70	3,82	6
IPR004841	90	0,22	3398	8,38	105
IPR022765	4	0,22	113	6,13	4
IPR003848	39	0,22	115	0,64	11
IPR002563	37	0,22	431	2,54	11
IPR005260	22	0,22	58	0,57	4
IPR018114	43	0,22	154	0,77	4
IPR000292	26	0,22	163	1,37	1
IPR011049	19	0,22	1	0,01	0
IPR004609	16	0,22	0	0	0
IPR003836	8	0,22	0	0	0
IPR001315	5	0,22	5	0,22	0
IPR017947	4	0,22	0	0	0
IPR014833	3	0,22	0	0	0
IPR022301	3	0,22	0	0	0
IPR017806	2	0,22	0	0	0
IPR014940	2	0,22	0	0	0
IPR011111	2	0,22	0	0	0
IPR002200	1	0,22	0	0	0
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IPR021804	1	0,22	0	0	0
IPR010626	1	0,22	0	0	0
IPR023157	1	0,22	0	0	0
IPR018715	1	0,22	0	0	0
IPR006970	1	0,22	35	7,68	0
IPR021260	1	0,22	0	0	0
IPR018754	1	0,22	0	0	0
IPR022459	1	0,22	0	0	0
IPR021817	1	0,22	0	0	0
IPR018466	2	0,21	882	94,53	21
IPR004886	2	0,21	883	92,95	20
IPR003492	1	0,21	200	41,32	8
IPR017785	1	0,21	107	22,77	4
IPR025863	1	0,21	106	22,27	4
IPR024989	2	0,21	72	7,57	6
IPR000651	7	0,21	867	26,59	16
IPR026956	4	0,21	211	10,96	9
IPR006993	1	0,21	81	16,77	2
IPR025979	3	0,21	51	3,5	5
IPR018508	5	0,21	105	4,48	4
IPR028357	16	0,21	93	1,21	8
IPR026255	10	0,21	99	2,06	4
IPR007138	36	0,21	229	1,36	10
IPR021886	20	0,21	201	2,07	2
IPR000212	72	0,21	241	0,7	4
IPR008969	68	0,21	0	0	0

IPR026020	27	0,21	0	0	0
IPR004919	15	0,21	65	0,91	0
IPR024002	14	0,21	91	1,34	0
IPR007345	11	0,21	13	0,25	0
IPR011822	11	0,21	2	0,04	0
IPR016473	9	0,21	4	0,09	0
IPR018968	3	0,21	0	0	0
IPR019500	2	0,21	0	0	0
IPR000126	2	0,21	2	0,21	0
IPR008023	2	0,21	0	0	0
IPR011718	1	0,21	0	0	0
IPR021254	1	0,21	0	0	0
IPR025983	1	0,21	0	0	0
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IPR009470	1	0,21	0	0	0
IPR000532	1	0,21	0	0	0
IPR011811	1	0,21	0	0	0
IPR015073	1	0,21	1	0,21	0
IPR014547	1	0,21	0	0	0
IPR021795	1	0,21	0	0	0
IPR012903	1	0,21	0	0	0
IPR014142	1	0,21	0	0	0
IPR014558	1	0,21	0	0	0
IPR008427	3	0,2	1484	99,8	96
IPR005198	4	0,2	1094	53,76	39
IPR015366	3	0,2	681	44,74	21
IPR018307	1	0,2	199	40,2	4
IPR019039	1	0,2	212	42,66	4
IPR024689	1	0,2	204	40,72	4
IPR005965	1	0,2	77	15,25	4
IPR004923	9	0,2	358	7,86	9
IPR024607	22	0,2	375	3,36	19
IPR005888	19	0,2	120	1,28	9
IPR018958	12	0,2	239	3,91	5
IPR019900	31	0,2	220	1,4	9
IPR018159	8	0,2	13	0,32	1
IPR001173	168	0,2	433	0,51	8
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IPR000064	57	0,2	47	0,16	0
IPR005170	52	0,2	0	0	0
IPR027304	52	0,2	0	0	0
IPR001314	34	0,2	112	0,66	0
IPR016134	8	0,2	0	0	0
IPR002049	8	0,2	17	0,43	0
IPR015933	7	0,2	0	0	0
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IPR024731	6	0,2	0	0	0
IPR013703	6	0,2	0	0	0
IPR010229	4	0,2	0	0	0
IPR000327	3	0,2	1	0,07	0

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IPR001802	3	0,2	2	0,13	0
IPR018638	2	0,2	0	0	0
IPR014735	2	0,2	0	0	0
IPR024457	2	0,2	0	0	0
IPR011101	2	0,2	0	0	0
IPR010466	2	0,2	0	0	0
IPR009522	1	0,2	0	0	0
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IPR021969	1	0,2	0	0	0
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IPR014199	1	0,2	0	0	0
IPR013398	1	0,2	0	0	0
IPR010836	1	0,2	1	0,2	0
IPR025508	1	0,2	0	0	0
IPR017253	1	0,2	0	0	0
IPR011070	1	0,2	0	0	0
IPR025938	1	0,2	0	0	0
IPR010497	3	0,19	509	32,03	21
IPR007361	3	0,19	182	11,56	10
IPR016286	4	0,19	73	3,52	5
IPR010281	4	0,19	34	1,6	4
IPR005159	3	0,19	5	0,31	2
IPR013341	35	0,19	320	1,78	14
IPR003812	32	0,19	122	0,72	8
IPR007272	16	0,19	131	1,58	4
IPR011529	14	0,19	176	2,39	4
IPR011040	107	0,19	514	0,93	18
IPR006225	36	0,19	207	1,07	4
IPR005743	18	0,19	0	0	0
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IPR026046	9	0,19	0	0	0
IPR002557	8	0,19	31	0,73	0
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IPR010048	6	0,19	0	0	0
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IPR001827	4	0,19	5	0,24	0
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IPR010069	4	0,19	1	0,05	0
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IPR002369	2	0,19	1	0,1	0
IPR011435	2	0,19	0	0	0
IPR021733	2	0,19	0	0	0
IPR016772	2	0,19	0	0	0

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IPR021893	1	0,19	0	0	0
IPR003469	1	0,19	0	0	0
IPR011795	1	0,19	0	0	0
IPR010426	1	0,19	0	0	0
IPR019026	1	0,19	27	5,2	0
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IPR025350	1	0,19	0	0	0
IPR023206	1	0,18	198	36,33	12
IPR013646	1	0,18	161	29,06	4
IPR025628	19	0,18	475	4,43	27
IPR006411	6	0,18	214	6,39	3
IPR001347	117	0,18	438	0,68	11
IPR007848	34	0,18	52	0,27	1
IPR011010	196	0,18	606	0,56	4
IPR009042	29	0,18	0	0	0
IPR005762	16	0,18	2	0,02	0
IPR018257	14	0,18	0	0	0
IPR004223	10	0,18	2	0,04	0
IPR005224	7	0,18	0	0	0
IPR012827	5	0,18	0	0	0
IPR012768	3	0,18	1	0,06	0
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IPR019742	2	0,18	6	0,53	0
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IPR017819	1	0,18	0	0	0
IPR010331	1	0,18	0	0	0
IPR018740	1	0,18	0	0	0
IPR025500	1	0,18	0	0	0
IPR018988	1	0,18	0	0	0
IPR009465	1	0,18	4	0,71	0
IPR027245	1	0,18	28	4,94	0
IPR021184	1	0,18	0	0	0
IPR023411	1	0,18	0	0	0
IPR005109	1	0,17	536	93,54	12
IPR019261	1	0,17	260	43,26	12
IPR027317	1	0,17	202	33,61	5
IPR004203	1	0,17	262	45,57	4
IPR011045	18	0,17	122	1,13	2
IPR004013	49	0,17	206	0,72	4
IPR008946	16	0,17	1	0,01	0
IPR005758	15	0,17	5	0,06	0
IPR015269	11	0,17	0	0	0
IPR001021	8	0,17	0	0	0
IPR006000	7	0,17	1	0,02	0
IPR008557	7	0,17	3	0,07	0
IPR020901	4	0,17	0	0	0

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IPR016866	1	0,17	1	0,17	0
IPR001562	1	0,17	0	0	0
IPR010385	1	0,17	0	0	0
IPR021280	1	0,17	0	0	0
IPR019270	1	0,17	0	0	0
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IPR014112	1	0,17	0	0	0
IPR018195	1	0,17	0	0	0
IPR002117	1	0,17	0	0	0
IPR004834	2	0,16	1189	95,96	202
IPR002975	1	0,16	597	97,71	17
IPR011021	4	0,16	822	32,29	15
IPR006235	9	0,16	282	4,99	15
IPR014033	4	0,16	234	9,33	6
IPR024884	5	0,16	195	6,11	4
IPR028359	9	0,16	79	1,38	7
IPR000713	45	0,16	5	0,02	0
IPR003141	39	0,16	4	0,02	0
IPR006059	30	0,16	3	0,02	0
IPR024370	25	0,16	24	0,15	0
IPR001110	12	0,16	232	3,13	0
IPR002763	9	0,16	0	0	0
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IPR011294	3	0,16	0	0	0
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IPR004012	3	0,16	1	0,05	0
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IPR010539	2	0,16	0	0	0
IPR014988	1	0,16	25	3,99	0
IPR011615	1	0,16	0	0	0
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IPR007251	1	0,16	63	10,23	0
IPR019503	1	0,16	2	0,32	0
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IPR017595	1	0,16	0	0	0
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IPR006271	1	0,16	1	0,16	0
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IPR016292	2	0,15	335	24,58	12
IPR019558	1	0,15	194	29,13	4
IPR008251	1	0,15	138	20,57	4
IPR001242	28	0,15	1625	8,42	106
IPR003096	2	0,15	164	12,08	4
IPR013606	1	0,15	20	2,97	1
IPR014774	3	0,15	60	2,97	2
IPR008334	25	0,15	495	2,89	15
IPR011944	2	0,15	4	0,31	1
IPR003379	10	0,15	219	3,31	4
IPR015868	9	0,15	22	0,37	1
IPR008258	47	0,15	67	0,21	0
IPR011817	14	0,15	0	0	0
IPR006726	13	0,15	4	0,05	0
IPR000859	11	0,15	1	0,01	0
IPR022374	7	0,15	0	0	0
IPR004137	6	0,15	0	0	0
IPR016099	6	0,15	0	0	0
IPR004406	5	0,15	0	0	0
IPR002870	5	0,15	17	0,51	0
IPR005884	4	0,15	2	0,08	0
IPR024064	4	0,15	4	0,15	0
IPR021647	4	0,15	0	0	0
IPR018126	4	0,15	0	0	0
IPR001064	3	0,15	8	0,4	0
IPR015315	3	0,15	6	0,3	0
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IPR007446	2	0,15	0	0	0
IPR012794	2	0,15	0	0	0
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IPR013587	2	0,15	1	0,07	0
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IPR027789	1	0,15	6	0,91	0
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IPR010905	8	0,14	470	8,05	33
IPR010473	2	0,14	394	27,38	8
IPR025163	4	0,14	286	9,83	11
IPR027399	5	0,14	80	2,24	7
IPR008000	5	0,14	97	2,8	4
IPR017856	46	0,14	167	0,51	3
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IPR017929	13	0,14	0	0	0
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IPR002409	1	0,13	796	99,87	27
IPR007889	3	0,13	723	30,91	59
IPR013736	5	0,13	295	7,41	28
IPR002558	1	0,13	244	32,28	4
IPR000697	2	0,13	212	14,25	4
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IPR005656	6	0,13	282	6,31	7
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IPR027474	15	0,13	292	2,49	13
IPR019109	4	0,13	84	2,79	3
IPR006179	24	0,13	503	2,79	16
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IPR010225	4	0,13	0	0	0
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IPR005297	1	0,13	0	0	0
IPR011519	1	0,13	0	0	0
IPR009562	1	0,13	1	0,13	0
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IPR005560	1	0,13	0	0	0
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IPR005084	3	0,12	88	3,55	6
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IPR023648	6	0,12	84	1,73	3
IPR005627	6	0,12	83	1,72	3
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IPR023065	3	0,12	0	0	0
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IPR025385	1	0,12	0	0	0
IPR006714	1	0,12	0	0	0
IPR016007	1	0,11	102	10,86	11
IPR008628	1	0,11	225	25,83	4
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IPR006584	1	0,11	36	3,83	2
IPR019760	10	0,11	145	1,55	4
IPR015168	15	0,11	267	1,88	4
IPR000415	40	0,11	257	0,72	7

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IPR000531	90	0,11	6	0,01	0
IPR027785	14	0,11	29	0,23	0
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IPR010372	10	0,11	4	0,04	0
IPR005325	7	0,11	0	0	0
IPR004268	7	0,11	0	0	0
IPR005949	7	0,11	5	0,08	0
IPR004620	6	0,11	1	0,02	0
IPR011895	5	0,11	0	0	0
IPR019456	5	0,11	0	0	0
IPR008209	4	0,11	2	0,06	0
IPR012854	4	0,11	0	0	0
IPR003766	4	0,11	0	0	0
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IPR018736	2	0,11	0	0	0
IPR008391	2	0,11	1	0,06	0
IPR023169	2	0,11	2	0,11	0
IPR012702	2	0,11	0	0	0
IPR017748	1	0,11	0	0	0
IPR017740	1	0,11	0	0	0
IPR018891	1	0,11	0	0	0
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IPR012798	1	0,11	0	0	0
IPR004020	1	0,11	0	0	0
IPR013207	1	0,11	6	0,65	0
IPR003514	1	0,11	0	0	0
IPR025105	1	0,11	0	0	0
IPR001545	1	0,11	0	0	0
IPR026001	1	0,11	0	0	0
IPR010247	1	0,11	0	0	0
IPR021797	1	0,11	0	0	0
IPR006538	1	0,11	3	0,32	0
IPR007961	1	0,11	0	0	0
IPR010100	1	0,11	0	0	0
IPR015018	1	0,11	0	0	0
IPR019290	1	0,11	1	0,11	0
IPR000603	1	0,11	0	0	0
IPR018750	1	0,1	136	14,09	10
IPR010080	2	0,1	438	21,73	17
IPR008253	3	0,1	812	25,89	25
IPR005052	1	0,1	414	39,47	8
IPR010856	2	0,1	281	14,69	14

IPR013752	10	0,1	832	8,24	24
IPR013332	10	0,1	754	7,24	24
IPR018959	2	0,1	163	8,13	4
IPR014063	1	0,1	65	6,47	2
IPR014144	1	0,1	59	5,65	2
IPR002509	37	0,1	1352	3,66	68
IPR011511	5	0,1	370	7,34	9
IPR027473	11	0,1	320	2,79	13
IPR006330	5	0,1	135	2,72	5
IPR003767	7	0,1	109	1,56	6
IPR005545	9	0,1	223	2,59	7
IPR000917	44	0,1	713	1,63	32
IPR017953	7	0,1	153	2,19	3
IPR001991	26	0,1	71	0,27	6
IPR004380	5	0,1	22	0,45	1
IPR009061	80	0,1	440	0,55	8
IPR001387	142	0,1	230	0,16	4
IPR013762	105	0,1	465	0,45	0
IPR001036	44	0,1	5	0,01	0
IPR003423	33	0,1	0	0	0
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IPR004548	7	0,1	0	0	0
IPR006668	7	0,1	0	0	0
IPR005760	7	0,1	0	0	0
IPR010611	7	0,1	0	0	0
IPR001791	7	0,1	2	0,03	0
IPR015910	5	0,1	39	0,76	0
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IPR014015	5	0,1	1	0,02	0
IPR014736	5	0,1	0	0	0
IPR010583	4	0,1	0	0	0
IPR018148	4	0,1	0	0	0
IPR018077	4	0,1	68	1,71	0
IPR012894	4	0,1	0	0	0
IPR023650	4	0,1	1	0,02	0
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IPR013573	3	0,1	0	0	0
IPR015985	3	0,1	0	0	0
IPR003644	3	0,1	0	0	0
IPR010662	3	0,1	0	0	0
IPR026042	2	0,1	0	0	0
IPR006829	2	0,1	0	0	0
IPR009228	2	0,1	0	0	0
IPR024686	2	0,1	0	0	0
IPR024674	2	0,1	0	0	0
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IPR011626	2	0,1	0	0	0
IPR001423	2	0,1	112	5,73	0
IPR006482	1	0,1	0	0	0
IPR015020	1	0,1	0	0	0

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IPR010389	1	0,1	0	0	0
IPR013570	1	0,1	0	0	0
IPR003533	1	0,1	5	0,49	0
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IPR010415	1	0,1	0	0	0
IPR000072	1	0,1	1	0,1	0
IPR013432	1	0,1	0	0	0
IPR010954	1	0,1	0	0	0
IPR016828	1	0,1	6	0,58	0
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IPR016709	1	0,1	0	0	0
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IPR011681	1	0,1	0	0	0
IPR014309	1	0,1	0	0	0
IPR025436	1	0,1	0	0	0
IPR018680	1	0,1	0	0	0
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IPR013362	1	0,1	0	0	0
IPR018721	1	0,1	8	0,81	0
IPR026353	1	0,1	0	0	0
IPR011072	1	0,09	404	35,85	8
IPR004302	3	0,09	182	5,68	15
IPR006644	1	0,09	144	13,26	4
IPR017804	1	0,09	104	9,79	3
IPR003965	2	0,09	311	14,29	5
IPR000718	5	0,09	127	2,33	9
IPR019626	3	0,09	98	2,96	5
IPR026869	4	0,09	203	4,5	5
IPR005532	8	0,09	188	2,22	8
IPR008142	4	0,09	83	1,9	4
IPR020569	6	0,09	209	3,3	5
IPR023865	11	0,09	116	0,96	6
IPR012338	109	0,09	1173	0,98	53
IPR004372	10	0,09	115	1,04	4
IPR019931	36	0,09	79	0,21	7
IPR027475	9	0,09	142	1,44	2
IPR028081	17	0,09	0	0	0
IPR002201	13	0,09	0	0	0
IPR017583	10	0,09	0	0	0
IPR007055	10	0,09	2	0,02	0
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IPR018000	5	0,09	1	0,02	0
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IPR011623	4	0,09	0	0	0
IPR003187	3	0,09	0	0	0
IPR012693	3	0,09	0	0	0
IPR025296	3	0,09	1	0,03	0
IPR027546	3	0,09	26	0,78	0
IPR003159	2	0,09	38	1,72	0
IPR025962	2	0,09	0	0	0
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IPR017508	2	0,09	0	0	0
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IPR007891	2	0,09	0	0	0
IPR004867	2	0,09	0	0	0
IPR022441	2	0,09	11	0,52	0
IPR027961	2	0,09	4	0,18	0
IPR005898	2	0,09	0	0	0
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IPR008622	2	0,09	0	0	0
IPR027056	1	0,09	0	0	0
IPR022300	1	0,09	0	0	0
IPR018470	1	0,09	0	0	0
IPR010195	1	0,09	1	0,09	0
IPR025833	1	0,09	0	0	0
IPR008807	1	0,09	0	0	0
IPR012533	1	0,09	3	0,28	0
IPR020011	1	0,09	0	0	0
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IPR011969	1	0,09	0	0	0
IPR014121	1	0,09	0	0	0
IPR024456	1	0,09	0	0	0
IPR014146	1	0,09	0	0	0
IPR006077	1	0,09	2	0,18	0
IPR018657	1	0,09	2	0,18	0
IPR018659	1	0,09	0	0	0
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IPR008902	2	0,08	458	17,54	37
IPR011022	2	0,08	893	35,41	13
IPR003673	12	0,08	687	4,37	34
IPR000763	3	0,08	109	2,94	8
IPR023606	13	0,08	693	4,35	34

IPR008753	4	0,08	126	2,48	9
IPR003534	1	0,08	74	6,07	2
IPR013653	1	0,08	56	4,21	2
IPR003833	5	0,08	153	2,34	8
IPR013655	15	0,08	500	2,55	21
IPR005850	4	0,08	186	3,54	4
IPR004511	4	0,08	198	4,19	4
IPR004730	4	0,08	231	4,67	4
IPR024320	4	0,08	154	3,01	4
IPR008143	5	0,08	104	1,59	4
IPR004430	5	0,08	201	3,11	4
IPR018234	6	0,08	228	3,05	4
IPR015919	10	0,08	183	1,52	4
IPR006042	14	0,08	188	1,09	3
IPR025877	14	0,08	31	0,17	3
IPR000653	13	0,08	35	0,21	1
IPR010982	187	0,08	310	0,13	8
IPR023109	48	0,08	159	0,25	0
IPR002491	27	0,08	0	0	0
IPR000748	18	0,08	0	0	0
IPR013839	8	0,08	0	0	0
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IPR004614	7	0,08	0	0	0
IPR007895	6	0,08	0	0	0
IPR014358	6	0,08	0	0	0
IPR025200	6	0,08	1	0,01	0
IPR003414	5	0,08	1	0,02	0
IPR011167	5	0,08	0	0	0
IPR025198	5	0,08	1	0,02	0
IPR012838	4	0,08	2	0,04	0
IPR003200	4	0,08	0	0	0
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IPR003709	4	0,08	2	0,04	0
IPR000871	4	0,08	0	0	0
IPR010810	4	0,08	0	0	0
IPR003876	3	0,08	1	0,03	0
IPR004995	3	0,08	1	0,03	0
IPR018649	3	0,08	1	0,03	0
IPR009362	3	0,08	0	0	0
IPR018039	3	0,08	1	0,03	0
IPR001434	3	0,08	2	0,05	0
IPR009594	3	0,08	1	0,03	0
IPR007280	3	0,08	0	0	0
IPR019565	2	0,08	0	0	0
IPR007833	2	0,08	1	0,04	0
IPR000274	2	0,08	0	0	0
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IPR006448	2	0,08	0	0	0
IPR025991	2	0,08	0	0	0
IPR020051	1	0,08	0	0	0
IPR002822	1	0,08	0	0	0
IPR012912	1	0,08	22	1,66	0
IPR014847	1	0,08	0	0	0
IPR011834	1	0,08	0	0	0
IPR018764	1	0,08	1	0,08	0
IPR002475	1	0,08	3	0,25	0
IPR008318	1	0,08	0	0	0
IPR018550	1	0,08	0	0	0
IPR005876	1	0,08	0	0	0
IPR017145	1	0,08	0	0	0
IPR003112	1	0,08	0	0	0
IPR013691	1	0,08	0	0	0
IPR026866	1	0,08	0	0	0
IPR002860	1	0,08	16	1,27	0
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IPR012042	1	0,08	0	0	0
IPR011539	1	0,08	2	0,16	0
IPR022936	1	0,08	0	0	0
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IPR018116	1	0,08	1	0,08	0
IPR010550	1	0,08	1	0,08	0
IPR017778	1	0,08	0	0	0
IPR017779	1	0,08	0	0	0
IPR021104	1	0,08	0	0	0
IPR021812	1	0,08	0	0	0
IPR020807	3	0,07	1197	27,59	107
IPR009799	1	0,07	408	29,52	25
IPR013737	1	0,07	177	11,7	14
IPR010111	1	0,07	211	14,42	8
IPR018306	2	0,07	239	8,85	6
IPR022790	1	0,07	66	4,76	3
IPR008397	2	0,07	166	5,86	5
IPR016270	2	0,07	217	8,06	4
IPR002656	19	0,07	509	1,96	32
IPR027369	9	0,07	163	1,27	13
IPR004431	5	0,07	207	3,07	5
IPR001185	5	0,07	69	0,98	4
IPR023168	5	0,07	50	0,75	4
IPR006184	5	0,07	231	3,01	4
IPR019079	3	0,07	19	0,47	1
IPR016047	24	0,07	0	0	0
IPR001482	19	0,07	13	0,05	0
IPR001264	18	0,07	1	0	0
IPR006158	11	0,07	4	0,02	0
IPR002505	10	0,07	0	0	0



IPR006260	10	0,07	4	0,03	0
IPR010723	9	0,07	0	0	0
IPR004184	9	0,07	10	0,08	0
IPR000060	8	0,07	1	0,01	0
IPR004807	7	0,07	1	0,01	0
IPR024759	6	0,07	0	0	0
IPR006543	5	0,07	1	0,01	0
IPR024953	5	0,07	1	0,01	0
IPR002181	4	0,07	1	0,02	0
IPR007310	4	0,07	31	0,56	0
IPR018378	3	0,07	6	0,14	0
IPR001160	3	0,07	1	0,02	0
IPR018704	3	0,07	5	0,12	0
IPR017585	3	0,07	0	0	0
IPR005586	3	0,07	0	0	0
IPR023218	3	0,07	0	0	0
IPR007551	3	0,07	0	0	0
IPR000527	3	0,07	0	0	0
IPR005498	3	0,07	1	0,02	0
IPR025878	3	0,07	0	0	0
IPR005598	3	0,07	2	0,05	0
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IPR001479	2	0,07	0	0	0
IPR022920	2	0,07	0	0	0
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IPR022415	2	0,07	0	0	0
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IPR011302	2	0,07	0	0	0
IPR007690	2	0,07	0	0	0
IPR012289	2	0,07	0	0	0
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IPR010380	2	0,07	0	0	0
IPR005572	2	0,07	0	0	0
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IPR011882	1	0,07	0	0	0
IPR006052	1	0,07	0	0	0
IPR022627	1	0,07	0	0	0
IPR018647	1	0,07	36	2,46	0
IPR024267	1	0,07	0	0	0
IPR013445	1	0,07	0	0	0
IPR017648	1	0,07	0	0	0
IPR010624	1	0,07	0	0	0
IPR025978	1	0,07	0	0	0
IPR021333	1	0,07	0	0	0

IPR008713	1	0,07	0	0	0
IPR013230	1	0,07	0	0	0
IPR016179	1	0,07	2	0,15	0
IPR014353	1	0,07	0	0	0
IPR012569	1	0,07	0	0	0
IPR005104	1	0,07	0	0	0
IPR013092	1	0,07	0	0	0
IPR016129	1	0,07	1	0,07	0
IPR020365	1	0,07	0	0	0
IPR018774	1	0,07	0	0	0
IPR008894	1	0,07	0	0	0
IPR007963	1	0,07	3	0,22	0
IPR007801	1	0,07	1	0,07	0
IPR024027	1	0,07	0	0	0
IPR010743	1	0,07	1	0,07	0
IPR010239	1	0,07	1	0,07	0
IPR013319	1	0,06	787	46,05	48
IPR016624	1	0,06	148	8,74	15
IPR019405	5	0,06	485	6,05	24
IPR010044	1	0,06	175	9,88	3
IPR003778	4	0,06	153	2,32	8
IPR008256	3	0,06	63	1,17	6
IPR019004	3	0,06	159	3,28	5
IPR023028	2	0,06	82	2,53	3
IPR024747	2	0,06	136	3,74	3
IPR018246	3	0,06	199	3,73	4
IPR005624	3	0,06	197	3,63	4
IPR013118	8	0,06	166	1,24	8
IPR024775	4	0,06	159	2,35	4
IPR013615	1	0,06	1	0,06	1
IPR019752	7	0,06	184	1,63	4
IPR002869	7	0,06	181	1,61	4
IPR023198	20	0,06	413	1,26	8
IPR001667	13	0,06	233	1,07	4
IPR010290	6	0,06	4	0,04	1
IPR012910	50	0,06	2	0	0
IPR006037	18	0,06	0	0	0
IPR002559	15	0,06	6	0,02	0
IPR013656	14	0,06	31	0,14	1
IPR023630	14	0,06	1	0	0
IPR000119	14	0,06	1	0	0
IPR004010	10	0,06	0	0	0
IPR001150	10	0,06	9	0,05	0
IPR001989	8	0,06	2	0,02	0
IPR010131	8	0,06	0	0	0
IPR004437	8	0,06	0	0	0
IPR006530	8	0,06	27	0,21	0
IPR004846	7	0,06	0	0	0
IPR004150	6	0,06	0	0	0
IPR003122	6	0,06	0	0	0

IPR018239	6	0,06	0	0	0
IPR001679	5	0,06	0	0	0
IPR002053	5	0,06	72	0,88	0
IPR023347	5	0,06	80	0,94	0
IPR001775	5	0,06	0	0	0
IPR018093	5	0,06	1	0,01	0
IPR000100	5	0,06	5	0,06	0
IPR007831	4	0,06	0	0	0
IPR003752	4	0,06	0	0	0
IPR003869	4	0,06	5	0,07	0
IPR018383	4	0,06	2	0,03	0
IPR000067	3	0,06	0	0	0
IPR004385	3	0,06	0	0	0
IPR012893	3	0,06	0	0	0
IPR022488	3	0,06	0	0	0
IPR010809	3	0,06	0	0	0
IPR006300	3	0,06	0	0	0
IPR010953	3	0,06	1	0,02	0
IPR010086	3	0,06	0	0	0
IPR007560	3	0,06	2	0,04	0
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IPR002371	3	0,06	0	0	0
IPR016026	3	0,06	1	0,02	0
IPR012351	3	0,06	0	0	0
IPR007438	3	0,06	9	0,17	0
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IPR023177	2	0,06	0	0	0
IPR006233	2	0,06	17	0,51	0
IPR017734	2	0,06	0	0	0
IPR023155	2	0,06	7	0,2	0
IPR006144	2	0,06	0	0	0
IPR007813	2	0,06	0	0	0
IPR023212	2	0,06	0	0	0
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IPR008766	2	0,06	2	0,06	0
IPR004799	2	0,06	0	0	0
IPR017517	2	0,06	0	0	0
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IPR018445	2	0,06	1	0,03	0
IPR021728	1	0,06	0	0	0
IPR010204	1	0,06	0	0	0
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IPR001287	1	0,06	39	2,31	0
IPR011716	1	0,06	11	0,61	0
IPR013229	1	0,06	0	0	0
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IPR017797	1	0,06	0	0	0
IPR000082	1	0,06	3	0,18	0
IPR012425	1	0,06	0	0	0
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IPR012690	1	0,06	0	0	0
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IPR014910	1	0,06	2	0,11	0
IPR017739	1	0,06	0	0	0
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IPR013595	1	0,05	450	20,88	38
IPR008937	2	0,05	828	20	16
IPR001895	2	0,05	932	21,58	16
IPR019432	1	0,05	242	12,57	7
IPR018299	2	0,05	237	6,15	8
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IPR002884	1	0,05	239	11,2	4
IPR010699	2	0,05	322	7,31	8
IPR004533	2	0,05	178	4,88	5
IPR012782	1	0,05	24	1,15	3
IPR005145	2	0,05	219	5,34	4
IPR010923	2	0,05	203	5,18	4
IPR008929	3	0,05	250	3,94	5
IPR000951	4	0,05	81	1,11	5
IPR003507	3	0,05	22	0,36	4

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IPR002880	5	0,05	117	1,14	4
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IPR001670	16	0,05	415	1,3	9
IPR018060	63	0,05	93	0,07	0
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IPR003331	5	0,05	2	0,02	0
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IPR000260	4	0,05	17	0,2	0
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IPR025164	2	0,05	0	0	0
IPR020953	2	0,05	1	0,03	0
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IPR007448	1	0,05	0	0	0
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IPR018006	1	0,05	0	0	0
IPR004220	1	0,05	0	0	0
IPR001873	1	0,05	0	0	0
IPR009725	1	0,05	40	2,06	0
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IPR013199	1	0,05	4	0,18	0
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IPR010496	1	0,05	15	0,79	0

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IPR015889	2	0,04	733	13,17	45
IPR023578	2	0,04	985	21,09	16
IPR010071	7	0,04	1236	6,87	60
IPR008794	1	0,04	99	3,92	8
IPR011829	1	0,04	118	5,2	7
IPR024688	3	0,04	361	4,99	19
IPR010424	1	0,04	66	2,91	6
IPR018497	2	0,04	123	2,53	9
IPR011786	1	0,04	70	2,9	4
IPR005152	1	0,04	356	13,85	4
IPR012791	2	0,04	254	5,38	7
IPR019779	1	0,04	181	6,35	4

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IPR013107	2	0,04	71	1,26	5
IPR000175	4	0,04	97	0,85	9
IPR003702	2	0,04	145	2,79	4
IPR000669	4	0,04	150	1,43	7
IPR018052	2	0,04	145	2,66	4
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IPR008816	4	0,04	93	1,03	5
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IPR008462	3	0,04	166	2,24	4
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IPR011206	3	0,04	121	1,59	4
IPR006146	4	0,04	55	0,49	4
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IPR005925	2	0,04	18	0,39	1
IPR003313	13	0,04	6	0,02	2
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IPR003660	59	0,04	447	0,33	5
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IPR018211	10	0,04	112	0,43	0
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IPR018713	1	0,03	287	8,48	12
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IPR001952	2	0,03	362	6,29	16
IPR014388	1	0,03	237	6,64	7
IPR005128	1	0,03	73	2,24	5
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IPR027843	1	0,03	38	1,05	4
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IPR007111	1	0,02	1101	24,1	48
IPR000627	1	0,02	685	12,79	41
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IPR001766	1	0,02	834	15,8	18
IPR000159	1	0,02	516	12,27	14
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IPR018122	1	0,02	615	13,22	11
IPR007074	1	0,02	371	9,06	8
IPR001447	1	0,02	283	6,7	8
IPR008967	1	0,02	454	7,29	12
IPR012792	1	0,02	206	4,36	8
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IPR026888	1	0,02	142	2,89	4
IPR003779	3	0,02	298	1,68	13
IPR001719	1	0,02	210	3,73	4
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IPR014942	1	0,02	39	0,94	2
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sorted by the frequency of appearance in plants, fungi and genus *Colletotrichum* . The total number of appe

% in <i>Colletotrichum</i>	Total
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0,75	398
0,67	6404
0,43	1859
0,79	505
0,35	1127
0,45	17250
0	287
1,37	292
0	146
0,5	808
0,2	1529
0,07	11440
0,45	893
0	205
0	210
1,19	337
0,94	425
0,06	12476
0	557
0,71	2801
0,74	538
2,21	181
1,09	367
0,43	935
0	245

1	402
0,39	12365
0	260
0,51	791
0	182
0	187
1,05	478
0,23	1715
1,13	355
0,93	429
0,8	1509
0,25	3205
0	1263
0,62	2400
1,56	257
1,17	257
0,92	435
1,04	386
0	193
0,74	2847
0	124
0	273
0	159
0,37	4572
0	323
0,48	1249
0	204
0,4	8016
0,17	13371
0,17	2301
0	269
0	743
0,64	1098
0,4	4302
0,65	614
1,36	440
0,82	490
0,24	3330
0	120
0	15
1,01	691
0,61	4091
0,47	11922
0,28	1418
0	241
0,89	447
0,29	1030
1,2	3998
0,6	1331
1,02	394

0,99	404
0	101
1,03	2628
0,48	1664
0,32	2848
0,74	542
0,1	2077
0,77	1044
1,46	274
0	340
0	66
0,42	1910
0,86	930
0	178
0	275
0,86	464
0,49	816
0,23	3844
1,59	439
1,3	1618
0,99	1409
1,07	373
0	179
0,37	12378
1,18	169
0	169
0	292
0,64	2040
1,05	380
0,04	10855
0	226
0,32	2487
0,69	581
0,3	7633
0	144
0,87	458
0,11	947
0	175
0	361
0	196
0,83	480
0,53	377
0	305
0	823
0	207
0,93	430
0,72	2233
0	804
0,82	1833
1,05	478

0	187
0	208
0	489
0,49	13907
0	755
0	151
0,67	600
0	819
0,7	569
0,52	769
0,62	1927
0,62	650
1,56	257
0	194
0,99	404
0	184
0,72	1115
0,66	606
0,74	543
0	390
0	153
0,55	12115
1,57	254
0,57	2097
0,69	2311
0,54	739
0,51	792
1,08	2229
0	250
0,63	639
0,99	405
0,84	357
0,77	2078
0	3860
0,93	540
0,71	567
0,61	653
0,7	568
0,88	456
0,62	1295
0,59	677
1,25	1285
0	215
0,51	1571
0,22	1824
0	156
0,26	265375
0,11	11242
0	296
1,15	1045

0	264
1,95	205
0,68	2341
1,18	340
1,35	297
0	216
1,42	281
0,86	465
0,8	498
0,59	677
0	1511
0,8	499
0,47	56617
0,66	608
0,45	896
0,53	7205
0,74	544
0,03	12657
1,02	392
0	98
0,94	425
0,12	845
1,53	262
0	399
0,55	5102
1,21	580
1,28	312
0,56	717
0,39	761
1,14	263
0,73	548
0,03	54458
1,03	1546
0	384
0	780
0,14	2950
1,4	286
0,79	253
0,78	1529
0	308
0	242
0,6	666
0,58	694
0,7	573
0,66	606
0,44	909
0	248
0,44	916
0	298
0,35	1154



0,69	580
0,49	824
0	354
0,72	559
0,49	819
0,37	8557
0	404
0,88	454
0,41	969
0,65	615
0,6	992
0	194
1,31	610
0,82	1836
1,41	283
0	161
0,91	1978
0,2	2033
0,16	14726
0	756
0	278
0,86	929
0,79	634
0,39	512
0	479
1,89	212
0	67
0,65	1536
0,6	498
0,49	812
0,58	863
0,58	684
0	684
0,95	421
0	292
0,59	674
0,28	3881
0	191
0,25	2754
0	208
0,85	945
0,7	1136
0,39	765
0	270
0	180
0	366
0,58	693
0,83	603
0,79	508
0,73	548

1,44	277
0,67	12338
0,44	13647
3,15	317
1,13	266
0,42	945
0,19	16054
1,18	340
0,66	1354
0,52	3683
0	295
0,87	460
0,5	1585
0,82	489
0,4	1006
2,2	182
1,04	768
0,43	13441
0	182
0,48	1468
1	501
0	382
2,64	4015
1,1	365
0,68	3097
0,63	7456
0	40
0,61	1315
0	223
0,27	1856
1,14	350
0,78	895
0	218
0,81	620
0,51	781
0,49	5700
0	115
0,76	662
0,65	1836
0	265
0,96	415
0,88	8647
0,39	1021
0,76	1056
0,13	3133
0	104
0,9	1771
0,81	492
0,62	1291
1,12	446

0,62	1929
0,78	511
0,64	627
0,81	988
0,98	407
0	186
0,51	1560
0,17	54038
0,59	1188
0,94	426
0,81	496
0	315
0,93	432
1,37	292
0,79	631
0	4405
0,84	836
0	187
1,11	1708
1,71	234
1,21	990
1,59	252
1,18	340
0	340
0	293
0	211
0,34	1179
0,9	446
0,67	593
0	3916
0,7	1434
0	8311
1,15	347
0	347
0,96	418
1,18	424
0,93	430
0,83	483
0,8	1001
0	583
0	212
1,4	3570
1,85	3238
1,01	397
0,84	474
0,63	634
0,62	160
0	320
0	273
0	89

1,05	285
0,79	891
1,18	339
0,88	452
1,2	250
0,57	1762
0,5	3191
0	500
0,7	9178
0,83	484
0,64	466
0	478
0	233
0,79	508
0	496
0,75	670
1,03	389
1	401
0,53	760
0,28	1783
0,87	461
0,79	509
0,51	2338
1,08	372
0,86	348
0	270
0	240
0	96
1,36	295
0	259
0,05	38034
0,8	501
0,57	1231
0	344
0,53	761
1,14	351
0,53	1332
0,93	430
0,75	533
0,47	1714
0	109
1,41	497
0,5	794
0,04	10821
0,7	2856
0,61	655
1,1	637
0,6	668
1,5	535
0,88	456

0	560
0,91	329
0,04	10527
0,75	3580
0,58	695
0,55	726
0,86	464
0,79	507
0,3	3324
1,45	275
0,92	434
1,15	1560
0,88	795
0,59	673
0,68	1029
0,4	73716
0,35	1158
0,48	840
0,46	1735
0,69	577
1,69	295
0,96	418
0,88	455
1,3	308
1,16	345
0,39	770
0	308
1,06	1129
0,55	549
1,12	179
1,01	395
0	432
0	179
0,84	476
0,66	760
0,94	427
0	99
0	5412
1,4	285
1,18	254
0,79	508
0,26	378
0,76	527
0,69	3781
0,61	651
1,01	397
0	211
0,88	907
0,8	497
0,43	52754

0	261
1,04	386
0,82	486
1,37	293
0,61	661
0,2	4563
1,53	262
1,09	368
0,48	624
0	2950
0,26	7773
0	1635
0	256
0,79	381
0,43	5982
0,84	475
0	169
0,94	426
0,32	11127
0,79	508
0,71	565
0,75	1062
0,67	16106
0,43	924
0,35	1138
0	421
1,01	893
0,96	415
0,68	881
1,12	447
0,44	2740
0,85	6334
0,43	939
1,15	347
1,15	347
0	410
0,49	815
1,35	297
0,19	17610
0,59	1355
0,82	488
0,79	2153
0,69	1727
0,27	23972
0	597
1,5	267
1,5	267
0,68	731
0,11	9569
1	401

0,9	446
0,49	823
0	715
0,76	524
0	409
0	115
0,79	505
0,65	614
0,98	2555
0,69	8784
0,56	538
0,89	449
0,67	3150
0	186
0,32	1245
0	308
0,73	546
0	366
0,23	1748
1	502
0,71	2394
1,44	277
0,85	471
0,76	529
0,09	2265
0,25	26483
0,65	614
1,37	582
0,64	621
0	1145
0,63	1269
1,49	402
1,13	441
1,47	954
0,06	18493
0	5177
1,03	390
0,11	33316
0	377
0	351
0	39
0,68	592
0,4	748
0,43	690
0	293
0,8	1499
0,8	502
1,46	274
1	803
0,56	718

0,51	777
0,99	405
0,74	405
0,46	863
0	157
0,87	458
0,78	1021
0,47	7257
0	216
0,99	2523
0,79	1016
0	511
1,35	223
0,9	446
0,89	899
0,68	584
0,91	440
0	151
0,98	1728
0,92	874
0,33	1209
0	427
0	539
0,82	487
0,6	500
1,4	2857
0,68	586
0,76	527
0	257
0,87	3686
0,85	468
0,77	653
0,74	2441
0,5	1398
1,04	383
0,5	799
0,04	10350
0,93	430
0,81	496
0,09	5867
0,78	510
0,93	19128
0	338
0,93	431
0,57	704
0,53	757
0	312
3,46	492
0,07	5412
0	359



1,12	3914
0	233
0,81	493
0,28	6453
0	100
0,86	467
1,15	434
0,7	574
0,46	861
1,07	374
0,87	461
0,85	234
0,55	723
0,36	844
1,17	342
0,73	550
0,63	631
1,11	450
0,93	19538
0,53	571
0,73	1103
0,56	713
0,53	761
0,41	6911
1,1	364
0,75	13539
0,88	452
0,75	533
1,35	297
0,47	1492
0	124686
1,12	358
1,02	392
0,44	28348
0,81	494
0,58	690
0,85	352
0,74	1632
0	149
0,51	779
1,09	366
0	1085
0,85	468
0,12	1730
1,23	9232
0,95	421
0,8	1005
0,73	550
0,69	1446
0,83	2540

0,04	10829
0,02	10079
0,94	1809
0,47	2987
0,31	1272
0,88	456
0,4	7326
0,42	954
1,1	1820
0,4	995
0,75	532
0,55	2933
0,5	46211
1,01	396
0,82	485
0,42	956
1,39	287
1,09	458
1,04	383
0,94	424
1,3	308
0,99	404
0,83	363
1,08	370
0,91	439
0,42	954
1,82	220
0	591
0	564
1,45	344
1,14	351
0,84	358
0	234
0	172
0,93	964
0,9	2108
0,93	324
0,8	751
0,4	5728
0,56	531
0,4	26178
1,07	373
1,26	318
0,57	698
0,46	864
0,26	7648
0,92	436
0,78	512
0	173
1,48	2700

0,98	409
0,85	472
0,84	479
1,82	604
0,65	618
0,99	403
0,91	549
1,41	355
0,39	7738
0,99	404
0,97	411
0,52	766
0	578
0,93	1178
0,53	5128
0,81	495
0,39	774
0	300
1,02	391
0,74	538
1,3	308
1,22	658
1,14	616
0,77	392
0,55	910
0,54	742
0,39	1030
1,17	596
0,74	1080
1,32	379
0,9	442
0,79	379
0,49	71724
0,44	905
0,29	3105
2,34	1280
1,65	3888
0,68	443
1,11	359
1,02	394
0,68	584
0,45	4454
0,81	493
0,68	585
0,37	19151
1	501
0	254
0,73	551
0,61	826
0,72	417

0,43	933
0,22	5377
1,49	269
0,87	460
0	559
0	361
0,5	1586
0,78	383
0	234
1,08	369
0,97	518
0,89	447
0,78	511
0,38	1065
0,67	597
0,89	448
0,81	2227
0,97	413
0,84	356
1	799
0	357
0	1921
0	50
1,17	343
0	193
0,96	415
0	372
0	322
0,47	1053
0,45	51429
0,32	924
1,33	301
0,72	559
0,87	459
0	287
1	402
0,62	25898
0,59	510
0	338
1,36	295
0,99	403
1,03	389
1,07	375
0,5	404
0,48	830
0,52	773
0	470
0,74	1614
0	427
1,49	268

0,99	2636
0,79	507
0,76	659
1,35	297
1,01	297
0,86	928
0,74	544
0,41	486
1,31	305
0,81	2332
0,48	1039
0	2515
0,42	12514
0,92	437
0,91	2097
1,06	379
0,66	605
0,51	787
0,89	336
0,85	351
0,47	3205
0	1792
0,47	849
0,85	586
0,84	359
0,74	542
1,16	345
0,79	1013
0,54	742
0,97	412
0,53	758
0,43	3738
0,34	1185
0,82	486
0	324
0	199
0,85	472
0,29	10853
0	443
0,63	1900
0,06	21580
0	1124
0,69	13015
0	37
0,66	452
1,09	734
1,06	378
0,07	11545
0,84	356
0	319

1,04	386
0,33	1203
0,85	468
0,83	483
0,61	654
0,58	520
0,51	2726
0,74	543
0,43	2798
0,64	1087
0,6	827
0,91	440
0,66	604
0,56	716
0	425
0,82	485
1,05	381
0,89	448
1,03	389
0,53	1503
0	262
1,05	382
0,79	382
0,52	1550
0,82	607
2,05	195
0,89	450
0,54	555
0,96	1246
0,9	443
0	398
1,18	338
0,74	676
0,52	774
0,84	955
0,61	1316
0,49	609
0,59	843
0,22	3648
0,73	4898
1,44	347
0,76	528
0,69	1154
1,1	453
0	166
0,8	499
0,59	2041
0,61	36483
1,02	787
0,98	1128

0,79	507
0,79	507
0,41	492
1,57	1402
0,98	409
0,67	447
0,4	1000
0	841
0	356
1,1	364
1,82	220
1,29	387
0,94	425
0,84	357
0	357
0	334
0	228
1,22	327
1,1	365
1,06	753
0,94	533
0,84	1896
0	419
0,5	3797
0,02	6119
0	381
0,81	984
1,15	435
0,85	588
0,71	565
0,53	756
0,11	7353
0	336
0,32	9265
1,01	795
0,58	45943
1,14	352
0,87	459
0,76	528
0,44	47010
0	880
1,8	222
0,69	582
0	5896
0,93	429
0,64	621
0,56	714
0,93	430
0,89	338
0,13	17197

0,04	20259
0	615
0	269
0,88	454
0,36	1108
0,85	470
0,61	1818
0,57	82256
0,88	455
0,89	895
1,04	386
0,52	3088
0,84	479
0	827
0,29	2731
0	6958
1,67	240
1,2	418
0,94	534
0,37	23407
1,1	364
1,01	395
1,01	395
0,62	643
0,99	403
0	279
1,01	396
0,83	846
0,57	1398
0,67	1804
0,48	840
1,1	724
0,69	576
0,59	677
1,15	522
1,09	366
1,77	226
0,87	460
0,56	1255
1,71	234
1,14	351
0,99	507
0,61	655
0,02	6411
1,33	375
0,8	500
0,73	4124
0,84	477
0,73	1102
0,72	1243



1,76	227
0,97	517
0,87	462
0,68	588
0,59	674
1,34	298
1,01	1490
0,75	400
0,48	1451
0,63	8318
0	259
0,81	495
0,76	21117
0,45	4416
0,36	1101
0,93	535
1,55	7938
0,92	433
0	244
0,89	449
0,94	852
0,49	812
0,64	3915
0,38	1059
1,1	364
0,92	435
0,9	443
0,5	807
0	174
0,83	483
0,97	412
0,63	634
0,25	1585
1,15	349
0,46	2379
0,37	2189
1,57	254
0,54	746
0,28	1421
1,01	397
0,93	540
0,58	1382
0,9	445
0,4	747
0	3292
0,57	700
1,02	1178
0,99	406
1,26	239
0,78	510

0,76	263
0,98	407
0,95	423
0,89	447
0,85	471
0,8	7093
0,4	998
0,15	6032
0,68	591
0,52	1542
1,12	448
1,1	456
1,01	496
0	360
0	144
0,95	1897
0,68	1177
0,59	505
0,91	441
0,83	481
0,72	417
0,22	1806
0,16	6386
0,75	530
0,43	1631
0,41	731
0,34	1189
0,98	410
0,59	1358
0,11	8048
0,79	507
0,6	1336
0,53	2992
0,89	451
0,58	1377
0,1	7627
0,48	830
0,14	12213
1,04	1153
0,58	1371
0,04	20506
0	9907
1,71	234
1,15	347
1,27	315
0,95	420
0,93	428
0,53	751
0	1341
0	404

0,93	429
0,57	90004
0	697
0	154
1,1	365
1,07	373
0,93	430
0,91	438
0,78	1030
0,57	527
0,36	1111
0	73
1,12	357
1,12	357
0,99	406
0,99	406
0,99	406
0,97	414
0,72	138
0,76	528
1,29	309
1,26	1911
1,12	447
1,33	301
1,14	350
1,12	358
0,95	423
0,83	480
0,74	537
0,62	480
0,53	1521
0,46	879
0,4	2012
1,23	326
1,04	383
0,89	4728
1,57	318
0,77	522
0,69	579
0,52	1534
1,56	2367
1	400
0,73	547
0,67	596
0,65	612
0,59	506
0	1094
1,04	384
0,48	112188
1,09	458

0,45	1546
1,19	671
0,98	409
1,02	393
0,7	3285
1,19	336
0,34	1172
0,08	11134
0	2230
3,32	6995
0,83	484
0,83	484
0,52	3495
1,47	2373
0,7	3874
0,57	2783
0,95	419
0,72	419
0,39	1282
0,75	1069
0,61	1308
1,25	321
0,82	486
0,8	503
0,42	956
0,39	1014
0,44	1807
0,07	11297
0	1048
1,2	1578
0,79	504
1,12	356
0,09	4554
1,23	406
0,66	605
0,63	638
0,47	845
1,04	481
0,89	448
0,53	1684
0,25	30824
0,48	839
0	357
0,81	491
1,2	333
0,98	408
0,07	11306
0,84	475
0,89	1351
0,41	976

0,92	434
0,92	434
0	217
1,29	309
0,14	6315
0,94	2132
0,9	443
0,07	11019
1,17	343
0,38	1046
0	159
0,9	444
1,14	1937
1,14	352
0,6	4644
0,03	14261
1,04	386
0,97	411
0,93	428
0,88	453
0,85	470
1,14	790
0,24	17929
1,03	387
0,97	412
0,31	1287
0,99	404
0,86	463
0,7	1717
0,62	2593
0,38	2088
0,88	455
0,67	598
0,47	851
1,13	354
0,97	413
0,93	430
0,69	3027
0,55	2900
1,22	329
0,83	481
1,26	397
0,97	414
0,97	414
0	304
0,93	1928
1,28	313
0,78	516
0,49	406
0,43	702

0,07	11220
0,86	466
1,9	263
0	797
1,05	382
0,79	1511
0,69	433
2,08	960
1,07	374
0,71	706
1,08	3158
1,04	383
0,96	417
0,42	1676
0,53	562
2,04	196
0,88	341
0,98	410
1,06	376
1,02	393
0,41	966
0,32	624
0,08	14466
0,95	419
0,64	6091
1,58	505
1,2	334
1,02	394
0,85	471
0,75	531
0,68	591
0,56	720
0,46	437
0,7	429
1,08	739
0,76	524
0	292
1,27	473
1,03	387
0,99	404
0,93	430
0,67	748
0,76	396
0,45	895
0,39	8409
0,34	1170
0	327
0,89	448
0,86	465
0,77	517

0,6	500
0,44	905
0,76	397
0,72	276
0,7	1710
0,67	449
1,38	363
1,11	1443
0,93	432
0,87	458
0,54	553
1,78	450
1,18	424
1,08	372
1,08	372
1,08	372
0,26	1540
0,55	1091
0,52	11986
0,42	710
0,41	1939
0,52	6211
0	728
1,25	321
1,15	347
0,59	677
0,96	417
0,96	417
0,78	3320
1,07	374
1,07	374
0,82	487
0	3010
0,04	10125
0	322
1,21	1071
0,88	453
0,98	715
0,98	410
0,9	445
0,52	768
2,2	227
0,56	1249
0,97	411
0,73	31580
0,65	1696
0,1	3960
1,3	385
0,91	875
0,9	446

0,87	1487
1,19	674
0,93	429
0,33	2460
0	219
0,83	482
0,64	622
0	736
1,12	807
1,04	386
0,86	465
0,61	658
0,89	448
2,33	343
0,93	431
0,86	466
0	722
0,8	502
0,72	414
0,61	326
0,8	503
0,7	4890
1,05	2765
0,8	627
0,75	530
0,71	424
0	17558
0	1749
0,64	628
0,96	522
0,92	867
0,43	938
1,1	363
0,92	434
0,92	434
0,74	1346
0,87	461
0,39	1286
0	133
1,17	426
1,1	364
1,05	382
0	364
1,25	560
1	400
0,62	649
0,9	445
0,86	347
0,65	614
0,54	1468



1,04	481
1,04	383
0,88	454
0	463
1,11	722
1,02	392
0,95	419
0,07	10905
0	196
0,74	544
1,07	375
0,97	518
0,79	509
0	634
0,73	545
1,04	868
0,39	1029
0,66	609
0	233
1,35	296
0,98	511
0,88	1704
0,47	9571
1,14	350
1,06	377
0,93	754
0,93	431
0,75	1474
0	701
0,78	2679
2,65	189
1,53	261
1,29	387
1,23	324
1,2	333
1,06	378
0,89	450
0,82	1098
0,82	486
0,81	495
0,69	576
0,43	936
0	189
0	631
1,45	415
1,17	343
1,08	370
1,01	397
0,11	22446
0	406

0,34	1192
0,88	452
0,84	479
0,81	2603
1,16	344
1,1	362
1,03	389
1,23	326
0,99	1313
0,88	453
0,63	1739
1,84	272
0,98	408
0,48	825
0,29	1387
1,58	2214
0,85	472
0,36	2205
1,17	427
0,94	427
0,9	445
0,82	1099
0,98	409
0,77	518
1,1	364
0,71	564
0,92	437
2,12	565
1,29	310
0,88	2389
0,77	392
0,05	20203
0	310
0,53	3743
0,11	31237
1,09	1371
0	667
1,35	1921
1,32	302
0,82	485
1,12	357
0,4	1749
0,05	1832
0,27	37847
0,95	422
0,32	624
1,01	395
0,89	450
0,74	542
0,47	2749

1,64	975
1,27	552
1,09	460
0,82	368
0,87	461
0	544
0	387
0,8	498
0,8	498
0,72	16735
0,83	480
0,69	1154
1,04	1155
0,75	536
0,9	444
1,03	389
0,8	500
0,76	528
0,56	537
0,28	352
0,88	454
0,04	10124
1,12	714
0,77	520
0,84	474
2,39	335
1,34	372
0,77	521
0,09	5312
0,94	847
0,89	447
0,67	596
0,53	3045
0,5	801
0,43	931
0,81	494
1,01	597
0,93	429
1,43	280
0,08	10599
0	84
1,05	1617
0,59	1355
0,66	608
0	3378
0,85	468
0,96	835
0,05	17835
0,93	432
0,86	817

1,12	357
0,55	733
0,37	1071
0,33	921
1,11	452
1,04	386
0,99	405
0,33	5499
1,3	924
0,87	462
0	66
0,78	1151
0,58	519
0,37	1915
0,56	1435
0	538
1,06	378
1,14	350
1	804
0,81	492
0,65	615
1,08	464
0,9	445
0,86	928
0,3	1004
1,56	256
1,06	379
0,92	436
1,99	854
0,37	29364
0,35	863
0,07	5847
1,66	1263
1,05	475
0,96	418
0,62	646
0,43	693
1,08	371
0	390
1,05	762
1	400
0,95	419
1,02	391
0,93	429
0	572
0	534
0,78	2175
0,7	573
0	449
1,26	1979

0,89	564
0,73	545
0,64	1090
0,43	698
0,19	2104
0,89	785
1,1	364
0,77	1034
0,65	613
0,91	441
0	805
0,89	451
0,76	394
1,04	481
0,96	942
0,86	23995
0,8	500
0,74	2703
0,48	1654
0,32	1568
0	577
0,88	568
1,26	713
1,26	318
0,79	636
0,54	5153
0,4	1002
1,3	386
0	454
0,63	474
0,5	793
1,09	368
0,83	484
0,74	542
0,28	1075
0,62	485
0,29	1018
1,01	398
0,94	427
0,46	437
0,06	32798
0	233
1,06	379
0,58	515
0,34	2381
0,88	457
0,83	603
0,24	5914
0	214
0,88	1256

0,85	2942
0,6	662
1,05	380
0,85	468
0,44	916
0,84	478
0,84	478
0,6	9696
0,29	3737
1,09	459
0,98	410
0,58	1377
0,53	6060
0,91	773
0,79	509
0,49	813
0,33	25996
0,21	1910
0,04	10014
0,53	16539
0,93	432
0,74	540
0,97	413
0,83	482
0,77	521
0,5	806
0	354
0	118
1,15	433
0,9	443
0,9	443
0,72	7936
0,57	699
1,06	473
0,68	444
0	138
0,86	464
0,62	1786
0,04	9805
1,23	326
0,87	573
0,84	2489
0,53	761
0	2560
1,1	455
0,59	1355
0,99	812
0,81	495
0,5	802
0,92	436

0,6	664
0,4	1982
1,06	377
0,82	486
0,82	486
0	486
0,94	427
0,94	427
0	1332
1,23	408
1,06	378
0,98	408
0,96	418
0,96	418
0,53	567
0	378
0,87	458
0,63	478
1,01	887
0,09	13686
0,79	630
0,69	580
0,38	790
0,36	11294
1,64	791
0,97	411
0,91	441
0	3889
1,5	602
0,35	1133
0,88	452
0,8	251
0,02	26102
1,18	844
0,67	593
1,1	362
0,83	483
1,18	423
0,97	413
0,84	474
0,81	494
0,39	1018
0,04	10057
0	625
0,94	424
0,86	464
0,66	454
1,64	1223
0,77	1559
0	496

0,52	770
0	395
1,06	1694
0,93	1288
2,27	20517
0	9606
1,36	295
0,82	489
0,73	550
0,65	611
0	1039
1,07	469
0,93	428
0,7	428
0,36	4456
0,29	1356
0,25	2386
1,11	449
0,89	449
0,3	6035
0,54	16222
0,67	594
0,07	5821
0,9	892
0,86	1980
0,04	9771
0,84	596
0	679
0,9	444
0,86	465
0,84	475
0,54	744
0,36	30913
1	4609
0,8	497
0	745
1,12	446
0,9	446
0,76	923
0,75	1069
0,92	436
0,88	457
0,7	571
0,53	758
0	572
0,89	448
0	323
1,37	292
0,74	542
0,68	584



0,61	657
0,04	9332
0	219
0,98	407
1,01	397
0,24	1662
0,02	27676
0	94
0,67	450
0,66	607
1,01	398
0,97	513
0,64	314
0,09	4564
0,34	1164
0,78	514
0	661
0,65	1848
0,09	15186
0	63
0	21
0,6	4333
0,85	2232
0,56	358
0,49	10557
0	821
0,83	843
0,95	422
0	886
0,92	433
1,26	317
1,19	1090
0,92	434
0	445
1,11	361
0,49	817
0	9292
0	690
0,35	1158
0	5654
0,63	638
1,21	330
0,82	490
0,77	522
0,55	724
1,17	256
0,89	448
0,86	928
0,8	501
0,17	1748

0	576
0,96	523
0,59	2721
1,7	235
0,99	406
0,83	481
0,73	684
0	929
0,96	417
0,96	417
0	599
0	2152
1,01	493
0,24	21972
0,31	22916
0,7	569
0,61	2448
1,03	387
0,95	839
0,7	430
0,42	1914
0,77	3133
1,16	431
1,06	377
0,59	4905
0	657
0,7	572
0,66	453
0,72	691
0,4	994
1,34	822
0,46	6949
0,77	1549
0,97	412
0,62	640
0,33	10678
1,05	478
0,54	739
0,66	457
0,61	1306
0,47	1709
0	185
0,97	414
0,4	991
0,71	567
0,59	5416
0,81	492
0	11684
3,9	19690
1,43	700

1,04	383
0,35	1422
0	5874
0,96	832
0,76	526
0,31	1271
1,1	2270
0,26	1919
0,89	450
0,89	450
0,7	571
0,96	835
1,65	242
0,91	440
0,71	704
0	55
0,45	661
0,34	595
0,07	5846
0	617
1,1	364
0,91	441
0,42	474
0	2833
0,74	541
0,07	10667
0	1799
0	320
0,45	663
0	6020
0,93	1939
0,86	465
0,72	2622
0,47	7892
0,46	133047
0,38	1055
0	422
1,2	334
1	401
0,04	9960
0,65	1683
0,11	17060
0,7	569
0,4	993
0	748
0	134
0,77	1690
1,13	886
0,8	2488
0,1	12055

0	157
0,74	539
0,54	1292
0	191
1,35	371
0,7	574
0,09	4611
0,31	6350
0	248
1,01	395
0,84	598
0,72	11835
0,3	666
0,55	9474
0,55	5783
1,14	351
1,1	363
0,73	22737
1,8	5120
0,78	511
0,76	523
0,16	2499
0,47	853
0,72	558
0,33	6685
0,25	4813
0,92	217
0,85	468
0,3	11006
0,02	84643
0,6	665
0,37	1342
0	493
1,09	368
0,81	494
0	437
0,2	9112
0	4911
0,91	438
0,9	334
0	219
0	1984
0,06	12614
0,6	2662
0,76	394
0,52	2897
0,49	823
0,15	1981
0	290
1,19	337

0,29	3810
0,18	10715
0,98	407
0,47	2326
0	93
0,95	419
0,51	792
0,41	4355
0,97	513
0,2	52258
0,6	70909
1,21	2476
1,42	351
0,88	456
0,7	573
0,6	2331
0	3488
0	586
1	1197
0,83	482
0,69	576
0,6	1506
0,85	942
0,67	1189
0,58	4794
0,05	11004
0,65	460
0,06	12532
0,69	580
0,6	497
0,56	711
1,12	356
0,94	427
0,12	12862
0,09	3379
0	451
0,07	16812
0,93	428
0,86	464
1,17	512
0,82	488
0,23	14435
0	1131
0,59	66677
0,49	1013
0	3887
0,95	525
0,73	2195
0,76	920
0,59	682

0,98	407
0,48	839
0,81	492
0,38	4683
0,27	2940
0	156
0	84
0	36
1,42	565
0,88	457
0,83	481
1,01	397
0,45	674
0,54	735
0,49	3048
1,7	2821
0,85	473
0,62	3880
0,73	546
0,27	364
0,43	925
0,56	536
0	7989
1,33	903
1,2	415
0,84	477
0,77	2737
0,91	551
0,46	1506
0,6	662
0,09	32738
1,36	1546
1,09	368
0,37	1067
0,3	1349
0	417
0,4	8538
0	2652
1,2	1082
0,92	1734
0,47	849
0,46	874
0,98	407
0,38	59778
0	6573
0	259
1,82	494
1,5	731
0,91	768
0,2	6071

0,04	10046
0	1004
1,36	1179
0	211
0,08	10506
0,49	6280
0,65	462
0,56	714
0,87	1268
0,84	477
0,47	7252
0,18	3941
0,77	653
0,28	2864
0,07	10476
0,07	10476
0,6	667
0,86	466
0,6	2682
0,41	9232
0,04	61828
0	543
1,4	215
0,2	1985
0,38	1050
0,35	20505
0,22	6306
0,55	722
0,24	1699
0,09	13966
0,05	12554
0,59	1181
0,57	1410
0,31	1602
0,71	560
0,24	1653
0,8	879
0,68	586
0,47	3631
0	907
0,08	10194
0,98	410
0,95	423
0,58	692
0,4	13228
0,33	1205
0,87	693
1,27	630
0,39	71994
1,07	373

1	399
0,28	721
0,37	1069
0,34	20612
0	568
0,98	1537
0,38	3438
0,33	1525
0	168
0	3659
0	1166
0,24	1699
0,04	32569
0,08	29542
0,58	689
0,16	2553
1,32	378
0,6	665
0,41	730
0,05	9722
0	404
0,62	1122
0,46	875
0	4945
0,7	575
0,04	10936
0,14	250874
0,87	459
0,58	865
0,66	1812
0	184
0,28	1408
0,11	26032
0,84	237
0,6	672
0,09	5401
0,42	963
0,06	10825
0	225
0,74	543
0,19	2132
0,94	7864
0,74	1087
0,46	13037
0,46	863
0,2	6894
0	332
0,94	319
0,08	10653
0,3	25119



0,29	9853
0,83	240
0,04	11422
1,04	481
0,65	615
0	762
0	964
0	656
1,01	793
0,32	1237
0,15	14351
0,08	16071
1,54	6217
0,48	2476
0,41	5852
0,35	9613
0	1481
0,46	1078
0	27
0,75	1595
0,1	3135
1,06	284
0,5	595
0,78	1152
0,3	2699
0	1509
0,53	748
0,05	12163
0,4	2515
0	533
0,91	766
0,03	15083
0	6820
0	658
0,71	1127
2,55	19242
0,44	2708
0,16	9618
0,03	8792
0	165
0,65	771
0,61	661
0,06	8789
0,78	510
0,43	938
0,2	7348
0	138
0	69
0,15	10600
0,05	7787

0,88	1024
0,21	2435
0	180
1,2	1498
0,54	1471
0,21	3757
0,21	3751
0	583
0,93	431
0	153
0,12	13308
0,09	4498
0,45	669
0,5	1592
0,54	741
0	126
0	28
8,12	505
0,54	743
0,42	6449
0,32	1248
0	589
0,37	267
1,94	8916
0,15	9706
0,58	692
0	113
0,56	2138
0,24	1659
0,22	1792
0,62	641
0,23	3924
0,06	15857
0,07	12076
0,07	10858
0	7684
0	13638
0,35	1150
0,03	3435
0	5962
1,46	547
0,82	489
0,53	748
0,64	937
0,63	635
0,02	17008
0	12322
0,94	7749
0,07	21420
0,07	12048

0	2138
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0	1865
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0	505
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0	10844
0,45	4265
0	10372
0	232
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0	63
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0	66
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0	308
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0	80
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0	76
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0	48
0	101
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0	115
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0	345
0	1814
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0	45

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0	588
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0	146
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0	79
0	216
0	63
0	161
0	226
0	2128
0	2290
0	1604
0	14
0	2523
0	2717
0	1292
0	4326
0	106

0	1400
0	851
0	659

earances and the relative percentage to the total is showed for each term

**Additional file 3.** Expression data of *C. graminicola* mimicker gene candidates and *Z. may* s imitated gene c

Gen ID (a)	<i>Colletotrichum graminicola</i> (x)					Expression ra
	Normalized read counts (c)				P-value	
	PA	BP	NP	BP/PA		
GLRG_07383T0	4	3	1	-0,1	1	-1,6
GLRG_03516T0	3	5	36	0,6	1	3,7
GLRG_02022T0	181	10	28	-3,7	0	-2,5
GLRG_05578T0	338	390	113	0,4	0,79	-1,5
GLRG_02201T0	34	8	4	-1,5	0,12	-3
GLRG_06086T0	2	1	0	-0,8	1	-2,7
GLRG_02070T0	43	6	1	-2,9	0	-6,3

Gen ID (a)	<i>Colletotrichum graminicola</i> (x)					Expression ra
	Normalized read counts (c)				P-value	
	PA	BP	NP	BP/PA		
GLRG_01658T0	48	20	14	-1,2	0,31	-1,7
GLRG_01795T0	2	2	3	0,2	1	1
GLRG_01826T0	221	30	3	-2,7	0	-5,8
GLRG_02947T0	1500	1944	360	0,5	0,66	-2,1
GLRG_04104T0	37	50	44	0,7	0,61	0,3
GLRG_05347T0	11	9	37	0	1	2,1
GLRG_05368T0	2	2	19	-0,1	1	3,6
GLRG_05395T0	7	24	129	2,1	0,05	4,3
GLRG_05578T0*	338	390	113	0,4	0,79	-1,5

GLRG_05589T0	57	2	0	-4,3	0	-7,6
GLRG_06236T0	176	73	36	-1	0,2	-2,2
GLRG_06664T0	2	1	2	-0,8	1	0,7
GLRG_07065T0	2	1	0	-0,8	1	-2,7
GLRG_07266T0	18	9	7	-0,8	0,79	-1,3
GLRG_07361T0	48	13	18	-1,4	0,09	-1,3
GLRG_08031T0	327	275	240	0	1	-0,4
GLRG_08648T0	312	387	316	0,5	0,67	0,1
GLRG_09115T0	1346	574	91	-1,1	0,11	-3,8
GLRG_10053T0	72	136	123	1,1	0,14	0,8
GLRG_10499T0	2	1	29	-0,8	1	4,2

GLRG_10770T0	3	1	1	-1,1	1	-2,2
GLRG_10984T0	51	115	164	1,3	0,05	1,8
GLRG_11050T0	99	5	2	-3,9	0	-5,6
GLRG_11959T0	32	18	26	-0,6	0,84	-0,1

(x) Data extracted from O'Connell et al., (2012)

(a) Broad Institute identification number (<http://www.broadinstitute.org/annotation/genome/colletotrichu>)

(b) MaizeSequence.org identification number ([http://ensembl.gramene.org/Zea\\_mays/Info/Index](http://ensembl.gramene.org/Zea_mays/Info/Index))

(c) For each fungal developmental stage (PA, *in planta* appressoria; BP, biotrophic phase; NP, necrotrophic

(d) Pairwise expression ratio (log<sub>2</sub>) and associated statistical p-value are presented. -Inf means that the exp

(e) p value adjusted for multiple testing with the Benjamini-Hochberg procedure

	Significantly regulated genes (p-value<0.05)
	Significantly up-regulated genes (>3 log <sub>2</sub> fold-change)
	Significantly up-regulated genes (>2 log <sub>2</sub> fold-change)
	Significantly down-regulated genes (<-3 log <sub>2</sub> fold-change)
	Significantly down-regulated genes (<-2 log <sub>2</sub> fold-change)

\* The transcript GLRG\_05578T0 was the best hit of 77 genes of maize. Only 15 of those transcripts are show ir

## Reference

O'Connell RJ, Thon MR, Hacquard S, Amyotte SG, Kleemann J, et al. (2012) Lifestyle transitions in plant path

andidates under three development stages of infection using RNA-seq.

### Results from the search based on the pathogen

Ratio (log2) (d)			Gen ID (b)	Normalized read counts	
P-value	NP/BP	P-value		PA	BP
0,5	-1,6	0,58	GRMZM2G066120_P01	132	109
0	3,2	0	GRMZM2G106795_P03	101	99
0	1,2	0,13	GRMZM2G110289_P01	199	196
0	-1,9	0	GRMZM2G121293_P01	33	18
0	-1,6	0,18	GRMZM2G143725_P02	415	329
0,5	-1,9	0,57	GRMZM2G150984_P02	1	1
0	-3,4	0,04	GRMZM2G399183_P01	55	59

### Results from the search based on the host

Ratio (log2) (d)			Gen ID (b)	Normalized read counts	
P-value	NP/BP	P-value		PA	BP
0,01	-0,6	0,62	GRMZM2G117942_P01	4023	5490
			GRMZM2G117971_P01	5505	7149
			GRMZM2G169967_P01	1	2
			GRMZM2G303937_P01	-	-
			GRMZM2G374248_P01	-	-
			GRMZM2G450546_P01	4	5
0,83	0,8	0,89	GRMZM2G090652_P01	-	-
0	-3,1	0	GRMZM2G081841_P01	23	17
0	-2,6	0	GRMZM2G168588_P01	-	-
0,78	-0,4	0,72	GRMZM2G012328_P01	29	28
			GRMZM2G043943_P01	0	1
			GRMZM2G120779_P01	-	-
			GRMZM2G177940_P01	0	0
			GRMZM2G177940_P03	0	0
0,01	2,1	0,01	GRMZM2G147780_P01	143	82
			GRMZM2G147780_P02	115	73
0	3,7	0	GRMZM2G312226_P01	2	4
0	2,2	0	GRMZM2G181259_P02	206	199
0	-1,9	0	GRMZM2G121293_P01	33	18
			GRMZM2G031613_P02	37	31
			GRMZM2G147942_P01	14	13
			GRMZM2G163749_P01	649	904
			GRMZM2G091578_P01	3	4
			GRMZM2G145242_P02	354	304
			GRMZM2G414915_P01	1	2
			GRMZM2G429842_P02	1	3
			GRMZM2G120085_P01	18	7

			GRMZM2G047319_P01	0	1
			GRMZM2G004984_P01	-	-
			GRMZM2G023840_P01	0	1
			GRMZM2G024234_P01	207	194
			GRMZM2G040638_P01	6	6
			GRMZM2G042347_P01	14	7
			GRMZM2G043855_P01	6	5
			GRMZM2G044049_P01	-	-
			GRMZM2G061230_P01	7	4
			GRMZM2G063435_P01	0	1
			GRMZM2G073223_P01	6	9
			GRMZM2G430039_P01	6	4
			GRMZM2G013986_P01	83	87
			GRMZM2G354373_P01	0	0
			AC196090.3_FGP006	5	3
0	-3,3	0,2	GRMZM2G068699_P01	-	-
			GRMZM2G076562_P01	40	18
			GRMZM2G095404_P01	13	7
			GRMZM2G095404_P02	11	5
			GRMZM2G108123_P01	-	-
			GRMZM2G108207_P01	10	102
			GRMZM2G108219_P01	1	8
			GRMZM2G116902_P01	406	304
			GRMZM2G122816_P01	1	1
			GRMZM2G133475_P01	-	-
			GRMZM2G136158_P02	0	0
			GRMZM2G144648_P01	7	2
			GRMZM2G177792_P01	28	22
			GRMZM2G427815_P01	4692	1194
0	-1,2	0,09	GRMZM2G054224_P01	3	8
			GRMZM2G168506_P01	193	205
			GRMZM2G459063_P01	74	67
			GRMZM2G459063_P02	78	70
			GRMZM2G459063_P03	72	67
			GRMZM2G520535_P01	109	126
1	1,5	0,75	GRMZM2G014793_P02	44	41
0,5	-1,9	0,57	GRMZM2G006019_P01	3	3
			GRMZM2G006658_P01	17	14
			GRMZM2G343058_P01	7	10
0,17	-0,5	0,84	GRMZM2G090411_P01	40	82
0,06	0,1	0,92	AC233903.1_FGP002	-	-
0,64	-0,4	0,71	GRMZM2G170839_P01	-	-
			GRMZM2G170839_P02	-	-
0,95	-0,4	0,63	GRMZM2G086628_P01	20	18
0	-2,7	0	GRMZM2G105682_P01	0	1
0,23	-0,3	0,83	GRMZM2G031572_P01	697	854
			GRMZM2G082502_P01	276	330
0	5	0	GRMZM2G140448_P01	-	-
			GRMZM2G159353_P01	5	12
			GRMZM2G349187_P02	111	116



			GRMZM5G851862_P01	400	565
0,5	-1,1	0,9	GRMZM2G167637_P02	100	119
0	0,4	0,68	GRMZM2G124307_P01	383	402
0	-1,8	0,22	GRMZM2G019373_P01	4	0
0,92	0,5	0,75	GRMZM5G861077_P01	6	4

um\_group/MultiHome.html)

phase), the mean number of reads measured for three biological replicates are presented. The number  
expression ratio was not possible to calculate

1 this table

1ogenic *Colletotrichum* fungi deciphered by genome and transcriptome analyses. Nat Genet 44: 1060–10

*Zea mays*

ints (c)			Expression ratio (log2) (d)				
NP	BP/PA	padj (e)	NP/PA	padj (e)	NP/BP	padj (e)	
	232	-0,3	1,00	0,8	0,35	1,1	0,09
	205	0,0	1,00	1,0	0,28	1,0	0,32
	159	0,0	1,00	-0,3	0,88	-0,3	0,94
	3	-0,8	0,93	-3,5	0,00	-2,7	0,07
	427	-0,3	1,00	0,0	1,00	0,4	0,86
	3	0,3	1,00	2,2	0,61	1,9	0,66
	15	0,1	1,00	-1,8	0,23	-1,9	0,18

*Zea mays*

ints (c)			Expression ratio (log2) (d)				
NP	BP/PA	padj (e)	NP/PA	padj (e)	NP/BP	padj (e)	
	10634	0,45	0,84	1,40	0,00	0,95	0,07
	13059	0,38	1,00	1,25	0,00	0,87	0,09
	0	1,72	1,00	-0,41	1,00	-2,13	1,00
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
	2	0,26	1,00	-0,67	1,00	-0,93	1,00
-	-	-	-	-	-	-	-
	26	-0,45	1,00	0,12	1,00	0,57	0,78
-	-	-	-	-	-	-	-
	77	-0,05	1,00	1,41	0,36	1,46	0,35
	1	0,27	1,00	1,25	1,00	0,98	1,00
-	-	-	-	-	-	-	-
	0 -Inf		1,00 -Inf		1,00 NA		NA
	0 -Inf		1,00 -Inf		1,00 NA		NA
	254	-0,80	0,21	0,83	0,31	1,63	0,00
	233	-0,66	0,47	1,02	0,19	1,68	0,00
	7	1,36	1,00	2,20	0,44	0,83	1,00
	152	-0,05	1,00	-0,44	0,91	-0,39	1,00
	3	-0,84	0,93	-3,51	0,00	-2,67	0,07
	5	-0,29	1,00	-2,81	0,05	-2,53	0,12
	4	-0,13	1,00	-1,84	0,60	-1,71	0,64
	488	0,48	1,00	-0,41	0,99	-0,89	0,38
	2	0,20	1,00	-0,68	1,00	-0,87	1,00
	184	-0,22	1,00	-0,94	0,14	-0,72	0,41
	1	0,99	1,00	0,36	1,00	-0,63	1,00
	2	1,44	1,00	0,82	1,00	-0,62	1,00
	6	-1,43	0,55	-1,58	0,50	-0,14	1,00

	5	0,93	1,00	3,72	0,92	2,79	1,00
-	-	-	-	-	-	-	-
	0	2,15	1,00 -Inf		1,00 -Inf		1,00
156		-0,09	1,00	-0,41	0,90	-0,32	1,00
	5	0,03	1,00	-0,34	1,00	-0,38	1,00
	17	-1,02	0,99	0,26	1,00	1,28	0,52
	25	-0,31	1,00	2,04	0,11	2,35	0,05
-	-	-	-	-	-	-	-
	0	-0,69	1,00 -Inf		0,12 -Inf		0,30
	0 Inf		1,00 NA	NA	-Inf		1,00
	8	0,63	1,00	0,46	1,00	-0,17	1,00
	2	-0,55	1,00	-1,88	0,79	-1,33	1,00
43		0,08	1,00	-0,95	0,33	-1,03	0,27
	0 Inf		1,00 NA	NA	-Inf		1,00
	3	-0,48	1,00	-0,59	1,00	-0,11	1,00
-	-	-	-	-	-	-	-
	268	-1,12	1,00	2,75	0,52	3,87	0,22
	5	-0,87	1,00	-1,30	0,63	-0,43	1,00
	4	-1,10	0,95	-1,36	0,59	-0,26	1,00
-	-	-	-	-	-	-	-
560		3,28	0,00	5,74	0,00	2,46	0,00
118		2,66	1,00	6,49	0,07	3,83	0,44
92		-0,42	1,00	-2,14	0,00	-1,72	0,00
	1	-0,89	1,00	-0,65	1,00	0,25	1,00
-	-	-	-	-	-	-	-
	0 -Inf		1,00 -Inf		1,00 NA	NA	
	3	-1,61	0,88	-1,40	0,84	0,21	1,00
134		-0,36	1,00	2,24	0,60	2,61	0,45
121		-1,97	0,00	-5,28	0,00	-3,30	0,00
	15	1,57	1,00	2,56	0,69	0,99	1,00
	174	0,09	1,00	-0,15	0,96	-0,24	0,83
	52	-0,15	1,00	-0,50	0,51	-0,35	0,78
	55	-0,15	1,00	-0,50	0,50	-0,35	0,78
	52	-0,12	1,00	-0,46	0,56	-0,34	0,79
	48	0,21	1,00	-1,17	0,15	-1,38	0,06
	30	-0,11	1,00	-0,54	0,90	-0,43	1,00
	2	0,30	1,00	-0,85	1,00	-1,15	1,00
	9	-0,29	1,00	-0,94	1,00	-0,65	1,00
	4	0,39	1,00	-0,82	1,00	-1,21	0,99
446		1,06	1,00	3,49	0,36	2,44	0,71
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
	65	-0,15	1,00	1,72	0,01	1,86	0,01
	1 Inf		1,00 Inf		0,85	0,22	1,00
1387		0,29	1,00	0,99	0,14	0,70	0,51
188		0,26	1,00	-0,55	0,84	-0,81	0,42
-	-	-	-	-	-	-	-
	40	1,27	0,27	3,04	0,00	1,77	0,05
	90	0,07	1,00	-0,29	1,00	-0,37	1,00

1636	0,50	1,00	2,03	0,00	1,53	0,00
93	0,25	1,00	-0,11	1,00	-0,36	1,00
215	0,07	1,00	-0,83	0,26	-0,90	0,20
0 -Inf		0,46	-3,20	0,83	Inf	1,00
2	-0,53	1,00	-1,70	0,82	-1,17	1,00

of reads for each gene in each sample was normalized relative to the total number of mapped reads in

065.

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each sample. The symbol "-" represents the lack of data for the gene and NA represents that the radi







o is not available