

groupID	featureID	exonBaseMean
ENSG00000006125	E020	24.46022803
ENSG00000006125	E021	22.01353803
ENSG00000006634	E021	340.4274984
ENSG00000044115	E103	138.7350301
ENSG00000058063	E006	2.54766014
ENSG00000059769+ENSG00000244115+ENSG00000242616	E008	1012.369716
ENSG00000059769+ENSG00000244115+ENSG00000242616	E009	1289.699283
ENSG00000059769+ENSG00000244115+ENSG00000242616	E012	2563.281246
ENSG00000059769+ENSG00000244115+ENSG00000242616	E013	1126.664556
ENSG00000068028	E007	112.6564263
ENSG00000070081	E064	297.3441275
ENSG00000072062	E004	209.347913
ENSG00000076108	E067	8.072846694
ENSG00000085449+ENSG00000286239+ENSG00000152056	E015	3.459792413
ENSG00000089685	E017	289.4291262
ENSG00000089685	E018	211.8419425
ENSG00000091640	E016	197.6332392
ENSG00000091640	E017	125.9676233
ENSG00000096996	E013	5.199589667
ENSG00000099341	E023	266.5425158
ENSG00000099821	E019	724.5938406
ENSG00000100097	E007	538.3756959
ENSG00000100097	E013	2019.460301
ENSG00000100142	E036	12.54094862
ENSG00000100162	E012	207.3452941
ENSG00000100211	E015	153.5147765
ENSG00000100416	E003	1625.898855
ENSG00000100593	E001	1.946528359
ENSG00000101473	E011	130.2715744
ENSG00000103202+ENSG00000242612	E083	147.3003644
ENSG00000103202+ENSG00000242612	E084	191.4322257
ENSG00000103254	E006	377.3459108
ENSG00000104671+ENSG00000104660	E022	4.559541233
ENSG00000105669+ENSG00000051128+ENSG00000268193	E011	15.20363446
ENSG00000105755	E009	679.8765348
ENSG00000105963+ENSG00000240230	E007	145.0823712
ENSG00000105963+ENSG00000240230	E047	642.3374938
ENSG00000105971	E039	375.1773246
ENSG00000106244	E011	35.50400418
ENSG00000106683	E002	160.8362813
ENSG00000108298	E006	150.1210226
ENSG00000108298	E007	628.5002484
ENSG00000109743+ENSG00000237765	E039	554.3299904
ENSG00000111678+ENSG00000238923	E007	108.5894169
ENSG00000111678+ENSG00000238923	E008	372.6562462
ENSG00000112306	E004	793.7575696

ENSG00000113387	E022	689.8566202
ENSG00000114268+ENSG00000145040	E040	721.8609879
ENSG00000115053	E029	73.8125904
ENSG00000116350+ENSG00000277916	E024	174.6072366
ENSG00000116750	E010	58.8639865
ENSG00000117899+ENSG00000259649+ENSG00000259546	E012	82.43234122
ENSG00000119383	E035	65.32634596
ENSG00000119471	E012	32.69989374
ENSG00000119559	E022	26.00196537
ENSG00000120159	E009	32.68556529
ENSG00000120265	E011	33.5178241
ENSG00000121897	E032	27.49215912
ENSG00000122068	E011	40.49372281
ENSG00000122565	E016	500.7796124
ENSG00000124602+ENSG00000124596	E027	32.01462068
ENSG00000125351	E014	46.55744212
ENSG00000125835+ENSG00000088876+ENSG00000256566	E008	535.3690329
ENSG00000125835+ENSG00000088876+ENSG00000256566	E009	529.2072698
ENSG00000131143	E019	143.8262794
ENSG00000131370	E021	5.276137316
ENSG00000131871	E001	271.0676072
ENSG00000131871	E002	367.709074
ENSG00000135392+ENSG00000257390+ENSG00000205323	E002	285.9567458
ENSG00000136527	E034	1859.205634
ENSG00000136888	E003	59.54714204
ENSG00000136936	E004	139.4374648
ENSG00000140319	E009	154.4502921
ENSG00000141759	E009	403.9995226
ENSG00000142230	E030	166.4843958
ENSG00000142657	E010	12.20310127
ENSG00000143321	E016	364.5692309
ENSG00000143498	E001	126.343763
ENSG00000144118	E013	26.13233933
ENSG00000144306	E024	24.58069373
ENSG00000144306	E025	26.04850226
ENSG00000144746	E006	10.13650718
ENSG00000145996	E008	243.1899548
ENSG00000146833+ENSG00000244623	E005	474.363205
ENSG00000148120+ENSG00000284459	E021	595.8019968
ENSG00000148908	E008	49.82462598
ENSG00000149716	E028	279.1360519
ENSG00000153044	E013	311.9310169
ENSG00000153774+ENSG00000166822+ENSG00000261717	E005	53.72507421
ENSG00000153774+ENSG00000166822+ENSG00000261717	E013	70.96144947
ENSG00000154710+ENSG00000243335+ENSG00000284461	E022	610.0843544
ENSG00000156110+ENSG00000226253	E008	23.36923744
ENSG00000159210	E020	69.84570504
ENSG00000159714	E011	6.04055247
ENSG00000162959+ENSG00000162961	E030	42.85438374

ENSG00000163584	E008	718.3769289
ENSG00000163584	E009	654.2499155
ENSG00000163808	E049	76.41907331
ENSG00000163812	E002	1068.388357
ENSG00000163815+ENSG00000075914	E026	402.6617288
ENSG00000163815+ENSG00000075914	E027	213.9034403
ENSG00000164253	E001	12.99105025
ENSG00000164576	E010	258.0542542
ENSG00000164733	E064	876.7849659
ENSG00000164733	E065	773.6606571
ENSG00000165637	E017	200.1587487
ENSG00000165637	E018	236.6242115
ENSG00000166130	E005	568.1628405
ENSG00000166130	E006	71.70979248
ENSG00000166441+ENSG00000200983	E010	179.5621349
ENSG00000166441+ENSG00000200983	E011	148.6179171
ENSG00000166922	E005	32.67824076
ENSG00000167380	E016	31.3296684
ENSG00000167515	E040	1399.901967
ENSG00000168564	E006	123.6863894
ENSG00000168701	E021	340.2417402
ENSG00000170846	E007	114.0432107
ENSG00000170906	E029	70.40832245
ENSG00000171056+ENSG00000258724+ENSG00000254093	E010	214.4042205
ENSG00000171490	E021	15.02685507
ENSG00000171502	E059	11.42121433
ENSG00000171735	E026	315.4795803
ENSG00000171763	E013	79.36070998
ENSG00000171763	E014	74.32650098
ENSG00000172927	E028	786.3523116
ENSG00000173660	E008	2174.276803
ENSG00000173933+ENSG00000239306+ENSG00000248643	E043	509.9505495
ENSG00000174775	E007	827.1858579
ENSG00000175792	E011	24.91582098
ENSG00000175866	E061	31.19467347
ENSG00000176273	E013	537.3865042
ENSG00000177425	E013	606.5446346
ENSG00000178078	E008	11.33704669
ENSG00000182648	E031	25.60770946
ENSG00000182903+ENSG00000251595	E010	2794.937343
ENSG00000183684	E005	160.0442829
ENSG00000183684	E006	226.1348899
ENSG00000183684	E007	156.6360644
ENSG00000184110	E022	7.213167187
ENSG00000184220	E011	115.6849027
ENSG00000187994	E008	3.814641226
ENSG00000188690	E012	277.4995642
ENSG00000196154	E003	391.8630872
ENSG00000196154	E005	1073.679203

ENSG00000196154	E006	1407.228766
ENSG00000196154	E007	359.4193195
ENSG00000196312	E016	40.94023699
ENSG00000197124	E015	5.51158372
ENSG00000197756	E028	288.6122303
ENSG00000197756	E029	283.6822121
ENSG00000197756	E030	244.4201292
ENSG00000197858	E046	261.3540933
ENSG00000197958	E014	1911.148329
ENSG00000198015+ENSG00000243015	E009	83.53364284
ENSG00000200354+ENSG00000201512+ENSG00000225091+E	E020	92.42500891
ENSG00000200354+ENSG00000201512+ENSG00000225091+E	E055	129.5251923
ENSG00000200354+ENSG00000201512+ENSG00000225091+E	E075	16.01487974
ENSG00000203875+ENSG00000275072	E059	146.2904129
ENSG00000203875+ENSG00000275072	E060	143.1289131
ENSG00000204628+ENSG00000264549+ENSG00000272296	E065	603.8124388
ENSG00000204745	E012	41.43604661
ENSG00000213614+ENSG00000140488+ENSG00000273025+E	E117	1132.608644
ENSG00000213654+ENSG00000204301	E042	16.85954044
ENSG00000213654+ENSG00000204301	E048	10.27770837
ENSG00000213741+ENSG00000244270	E002	261.7111207
ENSG00000214135	E009	125.798647
ENSG00000214253	E019	271.4801844
ENSG00000214765	E009	51.1678637
ENSG00000215712	E001	559.6149846
ENSG00000221983	E037	871.9007825
ENSG00000223482	E041	92.62596907
ENSG00000223482	E042	132.7114342
ENSG00000227036	E151	30.79110608
ENSG00000234741	E014	2171.867943
ENSG00000234741	E016	1616.103801
ENSG00000234741	E017	1163.264161
ENSG00000234741	E019	753.5609797
ENSG00000235552	E002	283.985251
ENSG00000236901+ENSG00000283941+ENSG00000165209	E029	114.9169322
ENSG00000236901+ENSG00000283941+ENSG00000165209	E030	112.2415938
ENSG00000239672+ENSG00000243678+ENSG00000011052	E021	152.4623521
ENSG00000244405+ENSG00000058866	E069	14.86429102
ENSG00000244462+ENSG00000272897+ENSG00000214078+E	E014	468.1376742
ENSG00000244462+ENSG00000272897+ENSG00000214078+E	E015	476.7131919
ENSG00000245694	E017	12.20156564
ENSG00000248993+ENSG00000204257+ENSG00000242574	E024	11.16212525
ENSG00000257086+ENSG00000173457	E011	54.85179685
ENSG00000259522+ENSG00000260669+ENSG00000213920+E	E088	524.4413118
ENSG00000264293+ENSG00000242485	E004	349.9966013
ENSG00000267120+ENSG00000161265+ENSG00000126246	E011	156.2965496
ENSG00000267120+ENSG00000161265+ENSG00000126246	E012	119.0064394
ENSG00000267120+ENSG00000161265+ENSG00000126246	E013	91.00968174
ENSG00000267120+ENSG00000161265+ENSG00000126246	E014	165.0666882

ENSG00000268400+ENSG00000229833+ENSG00000076944	E018	492.8471919
ENSG00000272888+ENSG00000279765+ENSG00000284324+E	E017	2693.959253
ENSG00000272921+ENSG00000010219+ENSG00000139180+E	E077	18.6094248
ENSG00000274072+ENSG00000278217+ENSG00000251562	E059	85.20312411
ENSG00000274309+ENSG00000174365+ENSG00000199266	E048	67.97827998
ENSG00000274322+ENSG00000125775+ENSG00000088832+E	E016	17.05657132
ENSG00000274769+ENSG00000237651+ENSG00000162929	E047	25.4740335
ENSG00000275895	E024	66.85622485
ENSG00000275994+ENSG00000269893	E004	7161.713396
ENSG00000275994+ENSG00000269893	E005	7108.33909
ENSG00000275994+ENSG00000269893	E006	10680.1701
ENSG00000275994+ENSG00000269893	E009	208.7981801
ENSG00000275994+ENSG00000269893	E010	250.5042347
ENSG00000275994+ENSG00000269893	E011	237.4833943
ENSG00000275994+ENSG00000269893	E013	264.2666995
ENSG00000277370+ENSG00000175061+ENSG00000277108+E	E049	361.1974271
ENSG00000277370+ENSG00000175061+ENSG00000277108+E	E050	356.8390689
ENSG00000277370+ENSG00000175061+ENSG00000277108+E	E051	502.1005961
ENSG00000277370+ENSG00000175061+ENSG00000277108+E	E052	525.2206377
ENSG00000278274+ENSG00000274582+ENSG00000197989+E	E006	236.5159204
ENSG00000281808+ENSG00000274998+ENSG00000280496+E	E009	248.8528526
ENSG00000281808+ENSG00000274998+ENSG00000280496+E	E015	600.6437705
ENSG00000281808+ENSG00000274998+ENSG00000280496+E	E016	318.1854085
ENSG00000281808+ENSG00000274998+ENSG00000280496+E	E017	404.785637
ENSG00000281808+ENSG00000274998+ENSG00000280496+E	E018	204.2130774
ENSG00000284031+ENSG00000093010	E020	33.83314786
ENSG00000284149+ENSG00000173272	E002	494.6294293
ENSG00000284431+ENSG00000100359+ENSG00000239900	E040	51.34271669
ENSG00000285959+ENSG00000218510+ENSG00000219073+E	E031	39.18175345

dispersion	stat	pvalue	padj	Neg_siRNA	UPF2_siRNA	log2fold_UPF2 _siRNA_Neg_s iRNA
0.01710065	22.2039764	2.45E-06	0.0082899	6.27526102	9.805072977	1.617641399
0.01825495	20.8868736	4.87E-06	0.0142942	5.98178035	9.498739538	1.65195135
0.00442953	43.8149635	3.61E-11	1.11E-06	19.0960338	17.03633147	-0.694714287
0.00580798	38.4385434	5.65E-10	1.02E-05	12.9073181	15.72195708	0.994220855
0.04766719	20.265864	6.74E-06	0.01804662	0.02955422	4.355553785	14.52221864
0.0137231	26.739092	2.33E-07	0.00127277	21.261927	24.14743567	0.952057031
0.00945961	52.3195405	4.72E-13	3.76E-08	21.7578268	25.40670508	1.201447719
0.00568269	20.0533711	7.53E-06	0.01905591	27.9108489	26.32670584	-0.518692777
0.00365784	22.9211164	1.69E-06	0.00601304	24.2663278	22.62542217	-0.540336838
0.01511631	20.9643975	4.68E-06	0.01388816	14.9895541	12.5042743	-0.887277293
0.00657488	18.8426662	1.42E-05	0.03061635	16.6171554	18.1800943	0.530011403
0.02794918	18.7769123	1.47E-05	0.03135132	14.3657649	17.8656851	1.20412977
0.04032946	21.4748536	3.58E-06	0.01153555	2.65289994	6.822531942	2.962676549
0.04978774	18.0119514	2.20E-05	0.04261944	1.05679586	4.747920946	4.465422341
0.0223732	26.9818527	2.05E-07	0.00117063	15.2615782	18.84716185	1.221013739
0.02033648	34.7842227	3.68E-09	4.45E-05	13.6458768	17.60220288	1.37045101
0.02624343	35.0085579	3.28E-09	4.09E-05	12.1972812	17.40835183	1.83116212
0.01377695	36.1365638	1.84E-09	2.47E-05	11.4671261	15.17666967	1.338980188
0.03754788	19.8512166	8.37E-06	0.02061727	5.47197563	1.953539221	-3.130071734
0.01016719	23.0916035	1.54E-06	0.00575094	15.6359972	18.05563825	0.825129998
0.00398146	18.6229871	1.59E-05	0.03327532	22.0487036	20.85653389	-0.394808837
0.01368954	37.209748	1.06E-09	1.76E-05	17.9840805	21.33922898	1.120451134
0.00581981	19.9143673	8.10E-06	0.02019668	24.8606502	26.68127667	0.597061804
0.0402491	34.2168591	4.93E-09	5.74E-05	2.49475243	7.324772489	3.391810173
0.00792107	19.8912179	8.20E-06	0.02031575	14.7770253	16.73067803	0.674505133
0.01931425	17.7383976	2.53E-05	0.04638978	12.9678771	15.97864908	1.060708446
0.00374892	21.4475839	3.64E-06	0.01160717	25.8642326	24.28692464	-0.51778547
0.06404838	18.337467	1.85E-05	0.03712573	4.3163815	0.789868123	-5.009923712
0.00909253	18.9447367	1.35E-05	0.02933841	12.7007901	14.7709637	0.738951844
0.00617283	24.545974	7.26E-07	0.00314679	13.4324306	15.44136196	0.70757557
0.00890029	22.3918619	2.22E-06	0.00758146	14.3626807	16.63048215	0.785806753
0.00618565	18.5003574	1.70E-05	0.03530153	17.482238	18.98989317	0.507791193
0.03549693	19.8331311	8.45E-06	0.02068557	1.08987331	4.71726476	4.355620621
0.05531204	17.6590983	2.64E-05	0.04792489	4.10770698	7.921927298	2.167636301
0.01069098	18.3707556	1.82E-05	0.03701477	22.389793	20.19478698	-0.72742621
0.00703881	19.4292029	1.04E-05	0.02421795	15.4334094	13.75920239	-0.587942707
0.00684268	25.0776146	5.51E-07	0.00258497	18.8505748	21.69351613	0.946318086
0.00446099	17.8333104	2.41E-05	0.04504807	17.5695768	19.26862562	0.571521976
0.01711437	20.2427187	6.82E-06	0.0181445	7.36864916	10.52929417	1.355009687
0.00485673	30.9901668	2.59E-08	0.00021558	13.8987282	16.46210156	0.892442113
0.02749264	23.7567949	1.09E-06	0.00431823	12.3689056	15.95419641	1.271234464
0.02616511	18.2814158	1.91E-05	0.03782692	18.949348	21.95923204	1.001086788
0.01328928	17.8435727	2.40E-05	0.04504807	21.4782461	19.23446736	-0.746483051
0.04043148	19.7580719	8.79E-06	0.02125328	10.9211394	14.53998489	1.325275356
0.03447019	23.5749034	1.20E-06	0.00460937	16.0185917	19.7986966	1.277564194
0.01314831	39.4593073	3.35E-10	6.68E-06	19.7551327	23.04294978	1.089383864

0.01076406	39.470724	3.33E-10	6.68E-06	19.3564276	22.31904367	0.983714799
0.01318034	40.1133886	2.40E-10	5.62E-06	22.7888387	20.17140501	-0.866886123
0.02663882	32.5183232	1.18E-08	0.00010956	9.3507057	13.83481565	1.70406022
0.00732406	22.5179287	2.08E-06	0.00722332	14.2251142	16.37771935	0.747893417
0.01085134	36.4167298	1.59E-09	2.45E-05	8.80358975	12.26934223	1.368010507
0.0141804	26.7459286	2.32E-07	0.00127277	10.3559498	13.39283841	1.138813813
0.01653541	24.6844006	6.75E-07	0.00296086	9.43529912	12.91841518	1.339605714
0.03362302	27.2633626	1.78E-07	0.00104176	6.04555079	10.68351398	2.091366706
0.01096505	21.5395634	3.47E-06	0.01124346	9.56526167	6.701221921	-1.297452638
0.01515413	25.5087308	4.40E-07	0.00222422	6.75692746	10.15683714	1.508594435
0.01853483	36.1190847	1.86E-09	2.47E-05	6.13442744	10.31981858	1.89986829
0.04410597	23.9996296	9.64E-07	0.00388336	10.7212988	6.086864761	-2.083457494
0.01274001	28.887909	7.67E-08	0.00050999	7.65016841	11.25832087	1.504088046
0.01414595	33.0632861	8.92E-09	8.90E-05	17.7611794	21.39090438	1.212840964
0.03104186	22.9680096	1.65E-06	0.00592099	10.9946754	7.051256211	-1.689937369
0.00845278	29.3030616	6.19E-08	0.00044904	11.847387	8.142751543	-1.501169976
0.02687924	18.9670691	1.33E-05	0.02915633	17.8893924	21.03165843	1.050457675
0.02457424	20.4514856	6.12E-06	0.01692923	17.8412538	20.97655288	1.048435689
0.0167765	25.4761608	4.48E-07	0.00222841	12.333933	15.49460022	1.125462096
0.04031806	20.187846	7.02E-06	0.01821462	1.96071768	5.807511686	3.31365978
0.01988889	28.4728606	9.50E-08	0.0005924	14.3481913	18.42225313	1.397882389
0.0068954	58.8727121	1.68E-14	1.68E-09	16.2265503	19.51521049	1.111508704
0.00498209	24.8961276	6.05E-07	0.00274329	16.2547877	18.1357083	0.639091853
0.03617095	19.1156165	1.23E-05	0.02742484	22.1709203	26.94570187	1.569319143
0.01916369	19.9998369	7.74E-06	0.01943521	9.21980661	12.08447281	1.123085596
0.02496641	24.4324752	7.70E-07	0.00326671	11.8602156	15.9984796	1.475275596
0.01242588	17.8959097	2.33E-05	0.04433108	13.5552966	15.63661871	0.7311107056
0.02424874	19.6500063	9.30E-06	0.02222042	16.2776311	19.68409398	1.150372683
0.00973234	33.4496352	7.31E-09	7.89E-05	13.4370858	16.60330694	1.105596808
0.01881032	19.5831695	9.63E-06	0.0228745	4.1688186	7.497835195	1.924963403
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19	14092844	14093042	199	-	206
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19	18076297	18076327	31	-	7
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19	619227	619296	70	-	1018
22	37676856	37676985	130	+	354
22	37678393	37678482	90	+	1503
22	38041107	38041915	809	+	2
22	41946497	41946688	192	-	136
22	38670767	38670883	117	+	74
22	46333082	46333699	618	+	1551
14	77474394	77475248	855	-	2
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16	411890	411928	39	+	109
16	411929	411976	48	+	140
16	721437	721597	161	+	213
8	30156319	30156368	50	+	1
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19	43526201	43526349	149	-	797
7	898778	898916	139	-	148
7	973181	973292	112	-	335
7	116500659	116501286	628	+	275
7	99403511	99403525	15	-	19
7	74083804	74083990	187	+	140
17	39200350	39200478	129	+	86
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4	15687463	15688550	1088	+	735
12	6943834	6943878	45	+	62
12	6943879	6944021	143	+	203
6	132815089	132815224	136	+	441

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2	231463701	231464142	442	-	45
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1	193020382	193020456	75	-	35
15	80947329	80948085	757	-	48
9	129141646	129141918	273	+	42
9	112438743	112438812	70	+	16
19	1478654	1478773	120	-	37
9	26869926	26869977	52	-	14
6	149772048	149772247	200	+	10
4	39469229	39470018	790	+	45
3	197763466	197763638	173	+	31
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6	41069038	41070075	1038	-	39
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20	2467192	2467211	20	-	228
20	2467212	2467315	104	-	229
16	85804540	85804661	122	+	91
3	15304232	15304299	68	-	0
15	101270817	101271416	600	-	138
15	101271417	101271645	229	-	219
12	55752580	55752840	261	-	216
3	185931754	185931852	99	-	966
9	114587921	114588118	198	+	32
9	97682200	97682430	231	-	52
15	40037309	40037348	40	-	96
18	79976718	79976787	70	-	206
19	47180146	47180303	158	+	128
1	10400376	10400392	17	+	6
1	156744501	156744570	70	-	246
1	222557902	222558268	367	-	94
2	120280862	120280907	46	+	10
2	174410082	174410225	144	+	19
2	174410226	174410343	118	+	19
3	69089812	69089960	149	+	1
6	20558542	20559672	1131	+	108
7	99901166	99902174	1009	-	343
9	94931834	94933671	1838	+	683
10	119516334	119516488	155	-	34
11	69671923	69672869	947	-	331
5	69202919	69202970	52	+	345
16	75301757	75301905	149	-	32
16	75391380	75391508	129	-	50
7	66640566	66642281	1716	+	572
10	74176554	74176583	30	+	11
17	48936131	48936169	39	-	47
16	67395567	67395591	25	-	13
2	32021020	32021099	80	-	17

3	170868135	170868181	47	-	589
3	170868182	170868201	20	-	542
3	44873329	44873376	48	+	53
3	44915261	44917408	2148	-	1008
3	45012183	45012253	71	+	290
3	45012254	45012290	37	+	150
5	77425970	77426191	222	-	5
5	154452496	154452499	4	+	156
8	11868001	11868040	40	-	1532
8	11868041	11868052	12	-	1341
10	75217888	75217932	45	+	81
10	75217933	75217991	59	+	112
12	98644789	98644954	166	-	345
12	98644955	98645113	159	-	45
11	8683863	8683960	98	+	118
11	8683961	8684005	45	+	88
15	32643623	32643818	196	+	21
19	44165756	44165756	1	+	46
16	88861416	88862676	1261	+	940
4	183445635	183445665	31	+	181
16	67228632	67228657	26	+	151
4	6674707	6674992	286	+	164
19	54108828	54108894	67	+	46
8	10820193	10820269	77	-	284
16	11849258	11849385	128	-	5
1	86089174	86089227	54	-	4
1	6887866	6888150	285	+	202
15	45415780	45415805	26	+	55
15	45415806	45415809	4	+	53
11	69367416	69367726	311	+	726
1	46309921	46310044	124	+	1383
11	66640290	66641192	903	+	405
11	533277	533358	82	-	370
3	128083602	128084075	474	-	17
17	81106908	81108474	1567	+	49
10	93908028	93909825	1798	+	406
12	79603668	79604721	1054	-	447
19	4324879	4325215	337	-	5
7	156605188	156605380	193	-	19
4	439988	444082	4095	-	2923
17	81888876	81888900	25	-	110
17	81888901	81888987	87	-	162
17	81888988	81888989	2	-	115
16	28720499	28721032	534	+	4
3	100141530	100141645	116	+	39
19	38869573	38869704	132	-	6
10	125789364	125789528	165	-	209
1	153543924	153543939	16	-	199
1	153544810	153544957	148	-	596

1	153544958	153545063	106	-	738
1	153545064	153545097	34	-	179
9	96946164	96946221	58	-	61
19	20015838	20015842	5	-	0
2	216529452	216529454	3	+	175
2	216529455	216529484	30	+	169
2	216529485	216529583	99	+	150
8	144084876	144085042	167	+	215
9	127451050	127451280	231	-	1446
12	93470486	93470505	20	+	56
20	38421352	38421392	41	-	107
20	38428225	38428369	145	-	195
20	38431337	38432480	1144	-	22
6	85677493	85677588	96	-	158
6	85677589	85677658	70	-	159
5	181243680	181243691	12	-	429
2	87156280	87156514	235	+	24
15	72349079	72349259	181	-	1290
6	32215226	32215385	160	-	25
6	32220129	32220284	156	-	16
14	49577392	49577794	403	-	109
3	197614982	197615563	582	-	207
7	101251895	101252133	239	-	135
7	45727827	45728177	351	-	54
6	157289386	157292999	3614	-	321
19	18577291	18577550	260	+	637
10	87330892	87330895	4	-	76
10	87330896	87330965	70	-	115
17	72598559	72599088	530	-	30
1	173864305	173864483	179	-	2800
1	173864507	173864630	124	-	2273
1	173864631	173864674	44	-	1684
1	173864705	173864871	167	-	940
18	6462152	6462816	665	-	229
9	123147778	123147870	93	-	175
9	123158012	123158123	112	-	182
17	51161098	51161159	62	+	97
3	186279134	186279850	717	-	20
20	35626804	35626826	23	-	456
20	35626827	35626853	27	-	463
16	54852903	54853437	535	-	14
6	32949400	32949610	211	-	3
11	64248050	64248172	123	-	8
14	24191734	24192170	437	-	421
1	1402257	1402601	345	-	221
19	35739824	35740016	193	-	164
19	35740017	35740086	70	-	151
19	35740087	35740088	2	-	118
19	35740380	35740549	170	-	180

19	7631322	7631472	151	+	235
15	92885515	92885584	70	+	1631
12	4667537	4667654	118	+	10
11	65506174	65506259	86	+	33
20	38449557	38450261	705	+	62
20	1319590	1319659	70	-	6
2	61157862	61158012	151	+	17
21	6493044	6493110	67	-	33
4	118278793	118278933	141	+	2669
4	118278934	118278943	10	+	2626
4	118278944	118279059	116	+	4157
4	118279138	118279189	52	+	289
4	118279190	118279320	131	+	335
4	118279321	118279388	68	+	286
4	118279432	118279623	192	+	265
17	16441210	16441225	16	+	449
17	16441226	16441228	3	+	441
17	16441229	16441298	70	+	612
17	16441299	16441356	58	+	647
1	28579010	28579532	523	-	338
9	136725234	136726103	870	-	235
9	136726417	136726746	330	-	730
9	136726747	136726747	1	-	389
9	136726748	136726879	132	-	489
9	136726880	136726886	7	-	249
22	19964110	19964167	58	+	15
2	131469809	131470205	397	-	214
22	40361636	40361666	31	+	35
1	22025188	22025291	104	+	34

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669	564	1110	1372	1391
700	708	1761	1429	1594
2788	3186	1847	2178	2329
1231	1349	824	960	1011
122	132	50	155	134
213	211	327	355	382
182	85	119	475	315
2	3	4	29	16
1	0	2	12	9
149	157	283	460	527
109	102	217	346	385
68	63	322	274	222
59	44	165	210	159
11	8	3	1	0
187	146	275	454	349
815	910	431	560	663
255	250	705	704	720
1322	1307	2792	1974	1855
2	1	17	25	25
119	129	218	301	307
90	97	151	191	302
1423	1554	1464	1749	1744
4	4	1	0	0
75	79	173	141	149
106	94	149	201	203
126	122	214	251	241
171	321	523	315	442
0	0	8	9	6
5	4	15	36	28
753	502	599	745	620
121	147	119	147	177
299	298	848	819	954
291	274	418	432	430
25	15	30	64	67
144	137	79	276	266
56	76	177	280	193
357	341	688	1033	884
611	692	357	464	475
38	46	155	140	148
139	176	530	454	511
343	499	1084	813	1099



371	418	966	761	784
896	872	533	473	536
33	39	49	157	155
131	102	145	304	228
27	27	63	90	105
36	48	86	112	154
47	28	60	125	97
14	9	38	78	39
28	34	16	22	20
20	13	36	58	51
17	8	39	64	59
41	37	8	16	28
21	21	38	65	69
306	314	661	618	508
52	41	8	34	33
47	47	50	32	39
208	294	756	569	818
214	281	744	567	812
53	69	214	163	173
1	3	3	12	16
106	103	423	307	343
155	171	472	462	575
201	186	323	342	355
707	475	3040	2473	2020
38	26	65	100	88
89	73	186	154	205
104	103	168	207	209
167	113	632	604	421
101	101	120	278	321
5	7	9	29	22
188	158	236	777	773
79	72	151	158	158
14	6	26	55	49
11	10	22	45	45
14	11	22	45	51
5	4	12	22	15
100	80	353	364	317
270	220	494	806	682
648	656	413	663	530
31	31	61	54	66
283	267	163	302	395
316	324	294	289	214
40	25	67	68	68
34	38	85	97	99
496	383	442	1007	917
14	11	23	38	43
43	36	95	81	77
12	9	0	3	3
18	22	58	49	70

475	445	981	695	663
439	416	887	621	602
42	34	79	130	117
801	704	850	1733	1483
284	264	491	424	477
130	152	263	237	250
3	5	16	24	22
146	218	336	240	289
1488	1124	197	768	570
1305	964	180	697	529
102	56	188	472	344
129	79	207	529	425
237	376	581	816	987
26	37	87	112	102
73	78	236	251	245
75	50	194	217	210
22	19	36	43	47
44	45	15	19	22
773	767	1769	1722	1813
153	118	69	152	101
154	201	469	431	434
126	143	51	117	117
38	30	98	80	90
227	160	142	268	253
9	4	21	26	18
1	3	23	4	18
196	210	398	369	361
35	56	88	102	119
34	50	81	98	113
602	457	510	1400	1334
1422	1790	2478	2290	2792
355	348	544	705	585
416	566	1099	843	1178
14	9	30	48	26
41	43	11	23	30
360	322	443	870	904
397	371	695	788	751
2	2	21	11	15
12	11	30	41	35
2691	2792	2171	3010	3100
109	95	174	229	208
153	139	251	317	276
98	97	174	220	196
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29	42	225	114	99
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189	200	287	331	388
196	315	580	312	412
531	861	1512	973	1163

645	1023	1962	1450	1659
169	241	505	361	455
39	51	32	26	30
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157	188	421	306	267
155	186	417	298	258
135	151	365	263	210
178	190	259	383	308
1198	1224	2033	2622	2557
42	32	91	155	119
96	90	76	70	104
116	145	72	147	134
19	20	8	21	10
150	132	150	103	130
149	126	142	97	139
331	264	534	1168	1006
17	16	43	78	71
1153	971	810	1439	1265
27	38	0	10	8
19	17	2	6	5
103	87	436	266	334
149	130	43	143	148
108	160	361	311	410
61	50	25	49	84
344	296	676	713	803
564	497	1208	868	892
53	50	87	159	135
94	67	122	211	194
46	55	13	24	18
1728	1762	2024	2394	2031
1373	1259	1220	1923	1835
1005	964	784	1400	1381
694	533	571	942	939
202	253	342	294	234
191	148	33	94	93
190	149	23	99	85
72	97	197	169	205
28	31	1	8	6
358	313	404	653	643
364	321	404	685	653
20	18	7	6	7
6	1	16	20	16
8	5	95	59	107
382	345	589	618	622
196	219	505	325	375
145	138	145	157	159
113	125	90	116	116
84	97	68	91	87
158	167	148	152	151

252	362	731	391	571
1223	1435	3849	2902	3358
9	4	26	27	27
22	20	162	89	87
66	92	53	67	56
6	6	20	44	19
7	12	29	34	49
29	31	75	97	124
2374	4019	11429	7436	8764
2299	4109	11423	7091	8699
3718	6367	17148	10112	12813
160	285	181	132	145
200	322	222	174	178
197	317	206	169	182
293	416	207	140	178
295	303	327	358	390
295	299	324	357	379
430	410	459	502	532
424	423	492	514	570
263	276	136	224	217
213	173	261	308	241
457	554	498	656	688
269	340	230	338	355
333	420	292	444	474
164	200	143	236	257
13	17	50	34	50
235	262	825	452	487
28	26	50	81	88
24	16	35	68	64