

Modification	Fold change	p-value
H3K27me3	1.2	0.558
H4K20me3	0.9	0.821
H3K9ac	0.64	0.388
H3K18ac	1.32	0.755
H3K4me3	1.07	0.975

## Gene List WT H3K14ac Control Diet

chromoson	feature sta	feature enc	feature	chromosome	region start	region end
1	1.95E+08	1.95E+08	NM_00805	chr1	194977910	194978505
1	1.95E+08	1.95E+08	NM_00828	chr1	194964920	194965420
1	1.94E+08	1.94E+08	NM_02372	chr1	193674735	193675795
1	1.93E+08	1.93E+08	BC058403	chr1	192540153	192540610
1	1.91E+08	1.91E+08	BC056167	chr1	190978197	190979576
1	1.9E+08	1.9E+08	NM_01193	chr1	189696142	189696864
1	1.89E+08	1.89E+08	NM_03307	chr1	188657816	188658492
1	1.87E+08	1.87E+08	NM_19865	chr1	187032314	187033135
1	1.87E+08	1.87E+08	BC028441	chr1	186515046	186516940
1	1.82E+08	1.82E+08	BC120654	chr1	182324168	182325418
1	1.82E+08	1.82E+08	NM_19947	chr1	182171231	182171862
2	1.82E+08	1.82E+08	NM_01101	chr2	181646447	181647113
2	1.82E+08	1.82E+08	NM_01101	chr2	181638441	181638816
2	1.81E+08	1.81E+08	BC052532	chr2	181166842	181167310
2	1.81E+08	1.81E+08	BC052532	chr2	181160554	181161142
2	1.81E+08	1.81E+08	BC016112	chr2	180940276	180941173
2	1.8E+08	1.8E+08	NM_01876	chr2	180430180	180430777
2	1.8E+08	1.8E+08	NM_01876	chr2	180428267	180429087
2	1.8E+08	1.8E+08	NM_14893	chr2	180389539	180390296
2	1.8E+08	1.8E+08	NM_17303	chr2	180218465	180219236
1	1.8E+08	1.8E+08	NM_02707	chr1	179565888	179566623
1	1.77E+08	1.77E+08	NM_01020	chr1	177468232	177468918
1	1.77E+08	1.77E+08	NM_13380	chr1	177468232	177468918
1	1.76E+08	1.76E+08	NM_14676	chr1	176267579	176268283
1	1.76E+08	1.76E+08	NM_14671	chr1	175882172	175882815
1	1.76E+08	1.76E+08	NM_14671	chr1	175876552	175877241
1	1.75E+08	1.75E+08	NM_00101	chr1	175294669	175295259
1	1.75E+08	1.75E+08	NM_05319	chr1	175206781	175207929
1	1.75E+08	1.75E+08	BC029659	chr1	175180604	175181426
1	1.75E+08	1.75E+08	NM_01004	chr1	175174401	175175026
1	1.75E+08	1.75E+08	NM_01004	chr1	175172638	175173309
1	1.75E+08	1.75E+08	NM_01018	chr1	175066306	175066866
1	1.75E+08	1.75E+08	NM_01018	chr1	175062970	175063637
1	1.75E+08	1.75E+08	NM_00876	chr1	174793089	174793753
1	1.75E+08	1.75E+08	NM_01131	chr1	174729385	174730060
1	1.74E+08	1.74E+08	NM_17859	chr1	174341525	174342118
2	1.74E+08	1.74E+08	NM_02553	chr2	174120073	174120671
1	1.74E+08	1.74E+08	NM_01106	chr1	174042982	174043702
2	1.74E+08	1.74E+08	NM_17267	chr2	173715270	173715854
1	1.73E+08	1.73E+08	NM_14453	chr1	173495221	173495665
1	1.73E+08	1.73E+08	NM_00100	chr1	173225159	173225752
1	1.73E+08	1.73E+08	NM_00100	chr1	173221293	173222254
1	1.73E+08	1.73E+08	NM_02789	chr1	173206980	173207619
2	1.73E+08	1.73E+08	BC050790	chr2	173166757	173167392

1	1.73E+08	1.73E+08	NM_01391	chr1	173121654	173122257
1	1.73E+08	1.73E+08	AY304481	chr1	173031015	173031529
2	1.73E+08	1.73E+08	NM_02139	chr2	172866466	172867059
2	1.73E+08	1.73E+08	NM_01204	chr2	172623132	172623759
2	1.73E+08	1.73E+08	NM_01204	chr2	172620714	172621333
2	1.72E+08	1.72E+08	BC024393	chr2	172204438	172205011
1	1.72E+08	1.72E+08	NM_02256	chr1	171950586	171951170
1	1.72E+08	1.72E+08	BC005656	chr1	171530278	171531146
1	1.71E+08	1.71E+08	NM_02328	chr1	171370263	171371038
1	1.69E+08	1.69E+08	NM_02556	chr1	169232005	169232598
2	1.67E+08	1.67E+08	NM_00896	chr2	166936770	166937400
2	1.67E+08	1.67E+08	NM_00896	chr2	166929154	166929766
2	1.66E+08	1.66E+08	NM_02807	chr2	165848758	165849355
2	1.66E+08	1.66E+08	AY101177	chr2	165823775	165824371
2	1.65E+08	1.65E+08	BC012446	chr2	165481137	165481724
2	1.65E+08	1.65E+08	U71208	chr2	165317602	165318308
2	1.65E+08	1.65E+08	NM_17070	chr2	164747196	164747947
1	1.64E+08	1.64E+08	NM_01086	chr1	164475074	164475889
2	1.64E+08	1.64E+08	NM_00101	chr2	164333905	164334589
2	1.64E+08	1.64E+08	NM_00101	chr2	164304965	164305569
2	1.64E+08	1.64E+08	AY757956	chr2	164304965	164305569
2	1.64E+08	1.64E+08	NM_00103	chr2	164280815	164281677
2	1.64E+08	1.64E+08	NM_00903	chr2	164089036	164089626
2	1.64E+08	1.64E+08	NM_00930	chr2	164025343	164026463
2	1.64E+08	1.64E+08	NM_02136	chr2	163979144	163979780
2	1.64E+08	1.64E+08	NM_01739	chr2	163930375	163931367
2	1.64E+08	1.64E+08	NM_01875	chr2	163686266	163687771
1	1.64E+08	1.64E+08	BC057865	chr1	163568156	163568754
1	1.64E+08	1.64E+08	BC057865	chr1	163562768	163563637
2	1.64E+08	1.64E+08	NM_01687	chr2	163508799	163509481
2	1.63E+08	1.63E+08	NM_01110	chr2	163381963	163382816
2	1.63E+08	1.63E+08	NM_01110	chr2	163381043	163381668
X	1.62E+08	1.62E+08	NM_01939	chrX	161928487	161929234
1	1.6E+08	1.6E+08	NM_20758	chr1	160194197	160194919
1	1.6E+08	1.6E+08	NM_00749	chr1	160194197	160194919
X	1.6E+08	1.6E+08	NM_00975	chrX	159601561	159602287
1	1.59E+08	1.59E+08	NM_02833	chr1	158669640	158670208
1	1.59E+08	1.59E+08	NM_14541	chr1	158557533	158558164
1	1.58E+08	1.58E+08	NM_00923	chr1	158302743	158303327
3	1.58E+08	1.58E+08	NM_14595	chr3	157859974	157860571
3	1.57E+08	1.58E+08	NM_01119	chr3	157502471	157503107
1	1.57E+08	1.57E+08	NM_01127	chr1	157181879	157182699
2	1.57E+08	1.57E+08	M31658	chr2	157032415	157033060
2	1.56E+08	1.56E+08	NM_02666	chr2	156240787	156241404
2	1.56E+08	1.56E+08	NM_02666	chr2	156238466	156239077
1	1.55E+08	1.55E+08	NM_02874	chr1	155315071	155315778
X	1.55E+08	1.55E+08	NM_02138	chrX	155046827	155047512

	3	1.55E+08	1.55E+08	NM_02893	chr3	155022852	155023703
	4	1.55E+08	1.55E+08	BC064021	chr4	155017790	155018849
X		1.55E+08	1.55E+08	NM_02543	chrX	154710832	154711435
	3	1.54E+08	1.54E+08	BC068154	chr3	154190195	154190802
	2	1.54E+08	1.54E+08	NM_00102	chr2	153999106	154000238
	3	1.54E+08	1.54E+08	AY351591	chr3	153820803	153821647
	3	1.54E+08	1.54E+08	AY351589	chr3	153806387	153807412
	4	1.54E+08	1.54E+08	NM_17893	chr4	153776833	153777606
	1	1.54E+08	1.54E+08	BC022177	chr1	153657592	153658415
	2	1.54E+08	1.54E+08	NM_02959	chr2	153567029	153567977
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	2	1.54E+08	1.54E+08	NM_02959	chr2	153564516	153565892
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	2	1.54E+08	1.54E+08	NM_02959	chr2	153561060	153562095
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	4	1.54E+08	1.54E+08	NM_02851	chr4	153510528	153511425
	4	1.53E+08	1.53E+08	BC039980	chr4	153106949	153107782
	4	1.53E+08	1.53E+08	BC039980	chr4	153103629	153104221
	4	1.53E+08	1.53E+08	BC066045	chr4	152945009	152945680
	3	1.53E+08	1.53E+08	NM_01202	chr3	152923944	152924524
	4	1.53E+08	1.53E+08	NM_00103	chr4	152885667	152886480
	2	1.53E+08	1.53E+08	NM_01040	chr2	152798614	152799269
	3	1.53E+08	1.53E+08	BC047203	chr3	152673396	152674005
	2	1.52E+08	1.52E+08	NM_14515	chr2	152275443	152276030
	2	1.52E+08	1.52E+08	NM_17765	chr2	152104978	152105574
	2	1.52E+08	1.52E+08	NM_17512	chr2	152104978	152105574
	3	1.52E+08	1.52E+08	NM_00896	chr3	151778848	151779417
	5	1.51E+08	1.51E+08	NM_14625	chr5	151458983	151459946
	3	1.51E+08	1.51E+08	NM_13322	chr3	151376572	151377184
	4	1.51E+08	1.51E+08	BC098195	chr4	151219434	151220099
	4	1.51E+08	1.51E+08	BC098195	chr4	151217626	151218582
	4	1.51E+08	1.51E+08	BC098195	chr4	151216327	151216932
	4	1.51E+08	1.51E+08	NM_00823	chr4	151134311	151134923
	2	1.51E+08	1.51E+08	NM_20720	chr2	150699170	150699764
	2	1.5E+08	1.5E+08	NM_18126	chr2	149831495	149832098
	5	1.5E+08	1.5E+08	BC120819	chr5	149703718	149704920
	5	1.49E+08	1.49E+08	NM_00101	chr5	149490331	149490925
	2	1.48E+08	1.48E+08	NM_03005	chr2	148465637	148466600
	4	1.48E+08	1.48E+08	NM_02305	chr4	148428598	148429576
	6	1.48E+08	1.48E+08	NM_19896	chr6	148406127	148406735
	5	1.48E+08	1.48E+08	NM_02787	chr5	148209778	148210393
	4	1.48E+08	1.48E+08	NM_00774	chr4	147970187	147970843
X		1.48E+08	1.48E+08	NM_02983	chrX	147690749	147691386
X		1.48E+08	1.48E+08	NM_02983	chrX	147688220	147688873
	4	1.47E+08	1.47E+08	NM_00103	chr4	147347689	147348494
	5	1.47E+08	1.47E+08	BC049274	chr5	147068974	147069785
	5	1.47E+08	1.47E+08	NM_00101	chr5	146899936	146900877

	4	1.47E+08	1.47E+08	NM_00872	chr4	146826130	146826764
	6	1.47E+08	1.47E+08	NM_17230	chr6	146760559	146761151
	6	1.47E+08	1.47E+08	NM_02531	chr6	146597107	146597724
	3	1.47E+08	1.47E+08	BC075661	chr3	146539486	146539972
	3	1.47E+08	1.47E+08	NM_00947	chr3	146531230	146531937
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X		1.46E+08	1.46E+08	NM_00100	chrX	145994294	145995568
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	2	1.46E+08	1.46E+08	NM_02582	chr2	145631365	145632009
	5	1.45E+08	1.45E+08	NM_17857	chr5	145425626	145426215
	5	1.45E+08	1.45E+08	NM_13373	chr5	145425626	145426215
	6	1.45E+08	1.45E+08	NM_00100	chr6	145344296	145345016
	7	1.45E+08	1.45E+08	NM_20349	chr7	145121497	145122202
	7	1.45E+08	1.45E+08	NM_20349	chr7	145119223	145119829
	5	1.44E+08	1.44E+08	NM_01080	chr5	144438994	144439591
	7	1.44E+08	1.44E+08	BC006062	chr7	144422269	144422875
	7	1.44E+08	1.44E+08	NM_00780	chr7	144282860	144283479
	4	1.44E+08	1.44E+08	NM_01130	chr4	144161612	144162186
	5	1.44E+08	1.44E+08	NM_13335	chr5	143635891	143636566
	7	1.43E+08	1.44E+08	NM_02429	chr7	143497414	143498440
	7	1.43E+08	1.43E+08	NM_00104	chr7	143284612	143285254
	6	1.43E+08	1.43E+08	NM_01137	chr6	142919421	142920029
	7	1.43E+08	1.43E+08	NM_02027	chr7	142909328	142909983
	6	1.43E+08	1.43E+08	NM_17731	chr6	142573894	142574228
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	7	1.42E+08	1.42E+08	BC025150	chr7	142387017	142387755
	7	1.42E+08	1.42E+08	NM_01162	chr7	142309659	142310368
	7	1.42E+08	1.42E+08	NM_01162	chr7	142304789	142305398
	7	1.42E+08	1.42E+08	NM_01084	chr7	141601059	141601651
	7	1.42E+08	1.42E+08	NM_18172	chr7	141504670	141505560
	4	1.41E+08	1.41E+08	BC022941	chr4	141486293	141487201
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	7	1.41E+08	1.41E+08	BC046399	chr7	141194591	141195237
	7	1.41E+08	1.41E+08	NM_02779	chr7	141179981	141180599
	7	1.41E+08	1.41E+08	NM_01687	chr7	141179981	141180599
	7	1.41E+08	1.41E+08	NM_00787	chr7	141144161	141144897
	4	1.41E+08	1.41E+08	NM_00101	chr4	140896990	140897752
	4	1.41E+08	1.41E+08	AF513359	chr4	140867291	140867936
	5	1.41E+08	1.41E+08	NM_00849	chr5	140861693	140862695
	7	1.41E+08	1.41E+08	NM_02537	chr7	140861039	140861847
	1	1.41E+08	1.41E+08	NM_18134	chr1	140775376	140776001
	5	1.41E+08	1.41E+08	NM_00863	chr5	140584113	140585134
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	7	1.41E+08	1.41E+08	NM_14696	chr7	140519049	140519728
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	4	1.4E+08	1.4E+08	NM_17786	chr4	140362207	140362706
	7	1.4E+08	1.4E+08	NM_14651	chr7	140228337	140228934

7	1.4E+08	1.4E+08	NM_14695	chr7	140174983	140175828
4	1.4E+08	1.4E+08	NM_01106	chr4	140081735	140082344
7	1.4E+08	1.4E+08	NM_00101	chr7	140059158	140060059
7	1.4E+08	1.4E+08	NM_14651	chr7	140025640	140026429
7	1.4E+08	1.4E+08	NM_01083	chr7	139904388	139905191
7	1.4E+08	1.4E+08	NM_01083	chr7	139901700	139902426
2	1.4E+08	1.4E+08	NM_02709	chr2	139859414	139860052
6	1.4E+08	1.4E+08	NM_01108	chr6	139804916	139805384
7	1.4E+08	1.4E+08	BC056493	chr7	139687177	139687864
7	1.4E+08	1.4E+08	BC060951	chr7	139515487	139516182
3	1.39E+08	1.39E+08	NM_19865	chr3	139143997	139144751
5	1.39E+08	1.39E+08	BC004044	chr5	139047355	139048379
7	1.39E+08	1.39E+08	NM_01199	chr7	138935904	138936497
4	1.39E+08	1.39E+08	NM_03187	chr4	138926811	138927649
5	1.38E+08	1.38E+08	NM_00101	chr5	138459969	138460587
5	1.38E+08	1.38E+08	NM_00101	chr5	138454057	138454587
6	1.38E+08	1.38E+08	BC057086	chr6	138390558	138391787
4	1.38E+08	1.38E+08	NM_00867	chr4	138370414	138370897
4	1.38E+08	1.38E+08	NM_02985	chr4	138238628	138239278
6	1.38E+08	1.38E+08	NM_01994	chr6	138101443	138102062
4	1.38E+08	1.38E+08	NM_01204	chr4	138032053	138032667
3	1.38E+08	1.38E+08	NM_17786	chr3	138009778	138010728
3	1.38E+08	1.38E+08	NM_01675	chr3	137801983	137802648
5	1.38E+08	1.38E+08	NM_01579	chr5	137796338	137796972
5	1.38E+08	1.38E+08	NM_01014	chr5	137581514	137582377
6	1.37E+08	1.37E+08	U37465	chr6	137376169	137376800
3	1.37E+08	1.37E+08	NM_01688	chr3	137275682	137276300
1	1.37E+08	1.37E+08	BC025914	chr1	137255192	137256040
1	1.37E+08	1.37E+08	NM_15377	chr1	137251333	137252547
7	1.37E+08	1.37E+08	NM_01009	chr7	137156607	137157329
4	1.37E+08	1.37E+08	NM_00743	chr4	137073796	137074353
6	1.37E+08	1.37E+08	NM_00748	chr6	136898537	136899262
3	1.37E+08	1.37E+08	NM_00891	chr3	136606292	136606909
5	1.37E+08	1.37E+08	U46684	chr5	136590315	136590908
1	1.36E+08	1.36E+08	NM_00930	chr1	136460743	136461338
5	1.36E+08	1.36E+08	NM_02807	chr5	136419711	136420698
5	1.36E+08	1.36E+08	NM_02789	chr5	136419711	136420698
X	1.36E+08	1.36E+08	NM_03018	chrX	136251633	136252300
1	1.36E+08	1.36E+08	NM_02058	chr1	136180762	136181506
1	1.36E+08	1.36E+08	NM_03118	chr1	136102048	136102933
1	1.36E+08	1.36E+08	NM_03118	chr1	136100810	136101493
X	1.36E+08	1.36E+08	NM_01184	chrX	136006685	136007391
1	1.36E+08	1.36E+08	AY536287	chr1	135949386	135949977
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13	1.16E+08	1.16E+08	NM_00103 chr13	116227416	116228028
3	1.16E+08	1.16E+08	NM_02138 chr3	115993496	115994352
6	1.16E+08	1.16E+08	NM_14538 chr6	115898211	115899808
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11	1.16E+08	1.16E+08	NM_17256 chr11	115840015	115840685
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11	1.15E+08	1.15E+08	NM_17803 chr11	115115024	115115999
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7	1.14E+08	1.15E+08	NM_01698 chr7	114498711	114499340
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12	1.11E+08	1.11E+08	NM_17211 chr12	110722066	110722679
9	1.11E+08	1.11E+08	NM_14622 chr9	110694504	110695158
9	1.11E+08	1.11E+08	NM_14622 chr9	110691826	110692466
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7	1.11E+08	1.11E+08	NM_00966 chr7	110565636	110566323
7	1.11E+08	1.11E+08	NM_00103 chr7	110565636	110566323
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8	1.1E+08	1.1E+08	NM_00922 chr8	109818259	109818912
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9	1.1E+08	1.1E+08	NM_18313 chr9	109672827	109673287
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9	1.09E+08	1.09E+08	NM_17707 chr9	109336860	109337559
8	1.09E+08	1.09E+08	NM_01176 chr8	109299283	109300256
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11	1.09E+08	1.09E+08	NM_01126 chr11	109112534	109113512
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	7	1.05E+08	1.05E+08	NM_14704 chr7	104522441	104523304
	7	1.04E+08	1.04E+08	NM_14637 chr7	104459703	104460295
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	5	1.04E+08	1.04E+08	NM_19803 chr5	104222581	104223231
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	3	1.04E+08	1.04E+08	NM_01362 chr3	104096991	104098191
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3	1.03E+08	1.03E+08	NM_01360 chr3	102599848	102600534
7	1.03E+08	1.03E+08	NM_14709 chr7	102573809	102574456
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4	1.02E+08	1.02E+08	NM_02610 chr4	102480461	102481445
7	1.02E+08	1.02E+08	NM_14675 chr7	102462650	102463465
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15	1.02E+08	1.02E+08	NM_00958 chr15	102344201	102345319
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3	1.02E+08	1.02E+08	NM_00981 chr3	102211211	102211843
3	1.02E+08	1.02E+08	NM_17877 chr3	102137054	102137817
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15	1.02E+08	1.02E+08	NM_03117 chr15	101833648	101834233
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12	1.02E+08	1.02E+08	NM_17302 chr12	101806500	101806966
15	1.02E+08	1.02E+08	NM_00100 chr15	101696660	101697419
15	1.02E+08	1.02E+08	NM_21372 chr15	101619102	101619837
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13	1.02E+08	1.02E+08	NM_02201 chr13	101592332	101593325
15	1.02E+08	1.02E+08	NM_00847 chr15	101525446	101526422
15	1.02E+08	1.02E+08	NM_00847 chr15	101521367	101522830
15	1.01E+08	1.01E+08	NM_13335 chr15	101402586	101403446
15	1.01E+08	1.01E+08	NM_01066 chr15	101299409	101299784
12	1.01E+08	1.01E+08	NM_17549 chr12	101286722	101287572
15	1.01E+08	1.01E+08	NM_02548 chr15	101270846	101271449
7	1.01E+08	1.01E+08	NM_19809 chr7	101266163	101266758
11	1.01E+08	1.01E+08	NM_17256 chr11	101235461	101235885
9	1.01E+08	1.01E+08	BC031532 chr9	101003812	101004471
4	1.01E+08	1.01E+08	BC064460 chr4	100989305	100990128
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19	12363676	12372175	NM_14668	chr19	12365946	12366540
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	11	3268880	3277395	NM_17305	chr11	3274115	3274708
	15	3214767	3223505	NM_00104	chr15	3218480	3219105
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gene overlap percent	region overlap percent	length(bps)	probes in r	p-value(region)	Fraction of	
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0.0589412		1	501	14	0.0312671	0
0.122475		1	1061	26	0.0283187	0
0.0538824		1	458	13	0.0477922	0
0.162353		1	1380	35	0.0365636	0
0.0842854		1	723	19	0.033624	0
0.0439382		1	677	18	0.0441553	0
0.0964449		1	822	19	0.0294045	0
0.121249		1	1895	47	0.0171166	0
0.145313		1	1251	32	0.0111315	0
0.0743529		1	632	18	0.0499638	0
0.0722018		1	667	12	0.0302784	0
0.0407014		1	376	11	0.0480571	0
0.0238071		1	469	13	0.0449762	0
0.0298985		1	589	16	0.0370933	0
0.105647		1	898	21	0.0186702	0
0.0703529		1	598	17	0.049902	0
0.0965882		1	821	23	0.0344362	0
0.057446		1	758	22	0.0187055	0
0.0903558		1	772	18	0.0483925	0
0.0865882		1	736	21	0.0335623	0
0.00376028	0.0465793		687	19	0.0493371	0
0.0808235		1	687	19	0.0493371	0
0.0829412		1	705	19	0.0416218	0
0.038012		1	644	18	0.040483	0
0.0407272		1	690	13	0.0338624	0
0.0695294		1	591	12	0.0495224	0
0.133682		1	1149	31	0.0229692	0
0.0968235		1	823	18	0.0151834	0
0.071715		1	626	17	0.0486485	0
0.0769848		1	672	19	0.0418866	0
0.0658296		1	561	12	0.0446232	0
0.0783854		1	668	19	0.0173108	0
0.0782353		1	665	19	0.0370138	0
0.0786778		1	676	19	0.0352483	0
0.0437666		1	594	17	0.0417983	0
0.0704706		1	599	12	0.0397592	0
0.0427487		1	721	18	0.0431931	0
0.0688235		1	585	14	0.0420102	0
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0.0853888	1	727	18	0.035522	0
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0.120706	1	1026	21	0.0368461	0
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0.0969412	1	824	21	0.0472538	0
0.111647	1	949	19	0.0168076	0
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0.162	1	1377	37	0.0353631	0
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0.105647	1	898	26	0.031991	0
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0.0957647	1	814	23	0.0342685	0
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0.0732769	1	623	13	0.0362547	0
0.0543006	1	500	14	0.0496107	0
0.0703529	1	598	16	0.030658	0

0.0995294	1	846	24	0.0268004	0
0.0717647	1	610	11	0.0376935	0
0.106118	1	902	25	0.0253174	0
0.0929412	1	790	23	0.034904	0
0.0945882	1	804	19	0.0193411	0
0.0855294	1	727	19	0.0345156	0
0.0730202	1	639	17	0.0489486	0
0.0538276	1	469	13	0.0207359	0
0.0471265	1	688	19	0.0243993	0
0.0818438	1	696	20	0.0358574	0
0.0888235	1	755	21	0.0333857	0
0.120588	1	1025	23	0.0493282	0
0.0695062	1	594	17	0.0423103	0
0.0987059	1	839	18	0.022519	0
0.0728235	1	619	12	0.0496901	0
0.0624706	1	531	12	0.0487015	0
0.144706	1	1230	33	0.0478982	0.75
0.0307966	1	484	14	0.0384968	0
0.0350226	1	651	12	0.0481453	0
0.03968	1	620	10	0.0431666	0
0.0715283	1	615	17	0.0475186	0
0.111882	1	951	26	0.0355396	0
0.0563977	1	666	14	0.027842	0
0.0660083	1	635	18	0.0414011	0
0.0979481	1	864	24	0.0337476	0
0.0743529	1	632	16	0.0229163	0
0.072474	1	619	14	0.0466358	0
0.0998823	1	849	24	0.0347805	0
0.142105	1	1215	32	0.015916	0
0.080701	1	723	21	0.0360516	0
0.0655237	1	558	16	0.0451705	0
0.0441633	1	726	16	0.0357162	0
0.072171	1	618	16	0.0444466	0
0.0698824	1	594	13	0.0495489	0
0.0701176	1	596	17	0.0407655	0
0.088793	1	988	23	0.0328825	0
0.115246	1	988	23	0.0328825	0
0.0782935	1	668	13	0.0311347	0
0.0869109	1	745	16	0.0308346	0
0.10382	1	886	24	0.0341537	0
0.08015	1	684	19	0.03644	0
0.0831765	1	707	20	0.0483219	0
0.0696471	1	592	17	0.0443671	0
0.116847	1	996	23	0.0175756	0
0.0643529	1	547	15	0.0434844	0
0.108706	0.93712	986	17	0.0446673	0
0.0894118	1	760	21	0.0344538	0

0.0810588	1	689	19	0.0433432	0
0.0851765	1	724	16	0.0499638	0
0.0724706	1	616	11	0.0449321	0
0.124765	1	1062	29	0.0363871	0
0.0663442	1	919	26	0.0150421	0
0.0720319	1	614	15	0.0434579	0
0.0499104	1	585	16	0.0472979	0
0.0688235	1	585	16	0.0472979	0
0.0982353	1	835	23	0.0314525	0
0.0785882	1	668	17	0.0458325	0
0.0798127	1	699	20	0.0313642	0
0.123202	1	1079	18	0.0126587	0
0.0497361	1	688	14	0.036696	0
0.069401	1	599	13	0.0315672	0
0.0695294	1	591	14	0.0396444	0
0.0383387	1	384	10	0.0399887	0
0.0399347	1	612	17	0.0479953	0
0.0719661	1	612	17	0.0479953	0
0.0775294	1	659	17	0.039256	0
0.0527553	1	606	17	0.0483925	0
0.0817647	1	695	20	0.0308964	0
0.0703364	1	598	17	0.0432725	0
0.0680086	1	598	17	0.0432725	0
0.0978824	1	832	24	0.0243993	0
0.0831867	1	709	20	0.0478011	0
0.0661384	1	651	19	0.0452499	0
0.0992584	1	977	28	0.0234283	0
0.103312	1	889	25	0.0209477	0
0.041248	1	665	19	0.0355396	0
0.0831897	1	1158	33	0.00533183	0
0.0863529	1	734	21	0.0489486	0
0.0784706	1	667	19	0.0484808	0
0.090824	1	776	16	0.0344715	0
0.0527848	1	562	15	0.0335623	0
0.0722594	1	615	15	0.0404919	0
0.0572941	1	487	12	0.0475539	0
0.0602422	1	607	11	0.0391324	0
0.0844706	1	718	21	0.0344627	0
0.0688359	1	586	12	0.0439611	0
0.101529	1	863	21	0.00571141	0
0.115529	1	982	27	0.026871	0
0.036378	1	826	18	0.0218834	0
0.0388003	1	881	18	0.0279391	0
0.0347926	1	790	20	0.0230222	0
0.0728235	1	619	16	0.0492223	0
0.0845882	1	719	16	0.0488957	0
0.097035	1	828	23	0.0309758	0

0.0979841	1	836	17	0.0242934	0
0.0743529	1	632	18	0.0347893	0
0.0946406	1	807	18	0.0185819	0
0.0724706	1	616	16	0.0478982	0
0.110654	1	942	25	0.0179993	0
0.071629	1	1200	27	0.00606451	0
0.0442906	1	742	21	0.0295634	0
0.0702353	1	597	17	0.0498402	0
0.0791634	1	704	19	0.0376494	0
0.0856471	1	728	14	0.0366695	0
0.104093	1	885	25	0.032141	0
0.0716471	1	609	16	0.0374287	0
0.0982353	1	835	24	0.0330591	0
0.087845	1	748	21	0.0249731	0
0.120353	1	1023	27	0.0286365	0
0.118235	1	1005	23	0.029325	0
0.0709984	1	613	11	0.0384439	0
0.0532731	1	625	15	0.00931304	0
0.0511422	1	600	17	0.0477922	0
0.0696471	1	592	17	0.0471831	0
0.123059	1	1046	28	0.0341449	0
0.102961	1	897	24	0.0357691	0
0.0719991	1	613	17	0.0455765	0
0.0744706	1	633	11	0.0461856	0
0.118941	1	1011	26	0.0436786	0
0.136253	1	1173	31	0.00637347	0
0.0915321	1	788	22	0.0484102	0
0.120471	1	1024	25	0.0353807	0
0.072664	1	626	18	0.0406684	0
0.0963529	1	819	21	0.0290161	0
0.0897647	1	763	17	0.0346745	0
0.0290896	1	648	18	0.0382673	0
0.0404649	1	470	14	0.04796	0
0.0946391	1	805	18	0.0403683	0
0.0885886	1	767	17	0.0464946	0
0.0839892	1	843	24	0.0482336	0
0.0505882	1	430	12	0.0435639	0
0.0742494	0.992284	648	16	0.0226867	0
0.0755294	1	642	18	0.0227838	0
0.0976471	1	830	23	0.035981	0
0.147176	1	1251	29	0.0240197	0
0.0445882	1	379	11	0.0417277	0
0.10402	1	885	22	0.0340125	0
0.100035	1	853	24	0.0354072	0
0.0882353	1	750	19	0.0329796	0
0.0572128	1	491	14	0.0359987	0
0.0666593	1	603	12	0.0459649	0



0.0705744	1	602	14	0.0473509	0
0.0709412	1	603	17	0.0423721	0
0.0742592	1	639	16	0.0346657	0
0.0752941	1	640	18	0.0397945	0
0.080727	1	1146	31	0.0184584	0
0.0930359	1	855	21	0.0285747	0
0.0970588	1	825	21	0.0253438	0
0.17996	1	1532	38	0.0241786	0.384615
0.0692941	1	589	12	0.0494165	0
0.0376965	1	868	16	0.0390088	0
0.119008	0.977799	1036	28	0.0345156	0
0.109529	0.898649	1036	28	0.0345156	0
0.0416385	1	617	13	0.0468124	0
0.0409821	1	666	19	0.041048	0
0.0702353	1	597	10	0.049443	0
0.144353	1	1227	26	0.00916297	0
0.100585	1	860	21	0.0344185	0
0.0870588	1	740	20	0.0353542	0
0.0825629	1	1027	27	0.0219187	0
0.0500284	1	705	20	0.0225102	0
0.0913729	1	788	22	0.0469095	0
0.0405756	1	595	16	0.0481718	0
0.0865892	1	738	21	0.0357427	0
0.0693702	1	597	17	0.0487986	0
0.0367301	1	625	17	0.0477746	0
0.0365538	1	622	14	0.0379319	0
0.0854801	1	730	21	0.0321322	0
0.03544	1	586	17	0.0499726	0
0.0708119	1	607	15	0.0450557	0
0.11449	1	979	27	0.0214332	0
0.0858033	1	744	16	0.0254233	0
0.0727844	1	625	18	0.0371551	0
0.0770586	1	656	19	0.0450204	0
0.0873053	1	751	16	0.0221041	0
0.0703529	1	598	17	0.0498402	0
0.0732126	1	639	15	0.035672	0
0.0685123	1	589	17	0.0335887	0
0.0726107	1	623	18	0.0367313	0
0.0720911	1	614	17	0.0445261	0
0.0316626	1	669	18	0.032653	0
0.100224	1	852	22	0.0166222	0
0.0564085	1	485	13	0.0420455	0
0.0697838	1	597	12	0.0337388	0
0.0771489	1	657	18	0.0383291	0
0.0710588	1	604	17	0.0238167	0
0.0645377	1	578	11	0.0353984	0
0.0853286	1	727	20	0.0338624	0

0.0798379	1	1064	29	0.0498402	0
0.0587207	1	672	19	0.0364489	0
0.0808961	1	733	20	0.0314878	0
0.0858943	1	1009	20	0.0239403	0
0.0572941	1	487	14	0.0439611	0
0.0689412	1	586	16	0.047598	0
0.0817753	1	866	24	0.0215921	0
0.0692941	1	589	11	0.0423457	0
0.0754118	1	641	12	0.0342067	0
0.0774118	1	658	17	0.0427252	0
0.082282	1	750	20	0.0357162	0
0.09631	1	830	23	0.0114052	0
0.0919158	1	830	23	0.0114052	0
0.0664478	1	587	17	0.0488427	0
0.0874118	1	743	17	0.0410568	0
0.0650053	1	553	15	0.0453029	0
0.108941	1	926	26	0.0251055	0
0.0769412	1	654	14	0.0367049	0
0.0829125	1	706	17	0.032247	0
0.0731421	1	622	14	0.0256175	0
0.0730476	1	622	14	0.0256175	0
0.0744706	1	633	18	0.0353366	0
0.0721176	1	613	17	0.0478275	0
0.125542	1	1071	27	0.0241433	0
0.0976471	1	830	21	0.035928	0
0.0743792	1	641	18	0.0350541	0
0.067446	1	825	22	0.0435727	0
0.0765882	1	651	18	0.0230928	0
0.126685	1	1081	23	0.0103282	0
0.0703859	1	622	18	0.0390795	0
0.0491765	1	418	12	0.0422309	0
0.070967	1	604	17	0.0461944	0
0.0881213	1	750	15	0.0346834	0
0.0738061	1	663	17	0.0481807	0
0.0721968	1	631	18	0.0431666	0
0.059633	0.803487	631	18	0.0431666	0
0.0816829	1	697	16	0.0451175	0
0.0671874	1	714	20	0.0458237	0
0.0580334	1	769	21	0.0494518	0
0.0321566	1	777	22	0.0207976	0
0.109294	1	929	26	0.0290073	0
0.0962353	1	818	23	0.0361311	0
0.0570198	1	768	17	0.0280539	0
0.0397951	1	536	15	0.0453294	0
0.13012	1	1115	30	0.0176904	0
0.0482492	0.369507	1115	30	0.0176904	0
0.0498943	1	425	12	0.0409774	0

0.0344923	1	499	13	0.0497784	0
0.0529481	1	766	21	0.0396179	0
0.0777986	1	663	19	0.0480924	0
0.084517	1	720	21	0.0345951	0
0.0402208	1	634	18	0.0459914	0
0.131412	1	1117	27	0.0134267	0
0.090367	1	879	23	0.0393443	0
0.123927	1	1054	23	0.0426193	0
0.0791765	1	673	17	0.0234636	0
0.119442	1	1018	28	0.0253438	0
0.0909304	1	775	21	0.0498137	0
0.0677389	1	577	11	0.0336329	0
0.0726375	1	618	12	0.0423015	0
0.0723329	1	617	17	0.0361929	0
0.0585375	1	891	25	0.0354513	0
0.0710807	1	613	17	0.049496	0
0.0797979	1	679	19	0.0342331	0
0.108	1	918	26	0.032653	0
0.129765	1	1103	28	0.00606451	0
0.0869412	1	739	20	0.0366784	0
0.0685882	1	583	11	0.0231634	0
0.131529	1	1118	30	0.034701	0
0.0728235	1	619	13	0.0403242	0
0.0698824	1	594	17	0.0434314	0
0.0535957	1	632	18	0.0483572	0
0.068645	1	1152	29	0.0203474	0
0.0945882	1	804	22	0.0368638	0
0.0460653	1	408	12	0.0344097	0
0.0530495	1	648	18	0.0453382	0
0.0698824	1	594	17	0.0241786	0
0.0519694	1	442	10	0.0499638	0
0.0710612	1	608	10	0.0452499	0
0.0797357	1	700	16	0.0449498	0
0.0681293	1	590	17	0.0487898	0
0.119486	1	1051	26	0.0383556	0
0.0791765	1	673	19	0.0464593	0
0.0753964	1	642	18	0.0228103	0
0.0905461	1	771	16	0.0319821	0
0.0435224	1	600	11	0.047854	0
0.0667765	1	608	16	0.0482866	0
0.0562353	1	478	10	0.0434491	0
0.106118	1	902	25	0.0239314	0
0.0822353	1	699	17	0.0234812	0
0.0721176	1	613	16	0.0498844	0
0.0916088	1	857	20	0.0329796	0
0.0742807	1	1598	39	0.00932187	0
0.0435551	1	937	26	0.0231899	0

0.077996	1	671	19	0.0496901	0
0.0329179	0.417288	671	19	0.0496901	0
0.0828868	1	727	19	0.0313907	0
0.0739829	1	631	18	0.0363782	0
0.0634171	1	631	18	0.0363782	0
0.0696284	1	594	15	0.0390971	0
0.0981249	1	853	18	0.00822726	0
0.0989412	1	841	22	0.0219982	0
0.134706	1	1145	27	0.0101517	0
0.114824	1	976	20	0.0315584	0
0.0914118	1	777	22	0.0470154	0
0.0823757	1	724	20	0.0496901	0
0.10198	1	896	25	0.0108314	0
0.0254482	1	467	13	0.0441641	0
0.0196124	0.357602	467	13	0.0441641	0
0.113176	1	962	21	0.0131795	0
0.0795628	1	677	19	0.0176639	0
0.0947221	1	813	22	0.0341096	0
0.118505	1	1008	22	0.0347451	0
0.0738397	1	630	17	0.049902	0
0.0536471	1	456	13	0.0475804	0
0.0778823	1	662	18	0.04796	0
0.0703529	1	598	17	0.0469625	0
0.0574118	1	488	14	0.0306845	0
0.108874	1	930	19	0.0360075	0
0.0723484	1	618	10	0.047704	0
0.10402	1	885	23	0.0353366	0
0.0729412	1	620	10	0.0398122	0
0.0586309	1	895	25	0.0166664	0
0.0845882	1	719	14	0.0324588	0
0.0692046	1	589	16	0.0430254	0
0.074	1	629	18	0.0418866	0
0.105263	1	898	22	0.0188909	0
0.0360335	1	641	18	0.036493	0
0.0785641	1	685	15	0.0464151	0
0.0608862	1	540	12	0.0443671	0
0.0755937	1	643	18	0.0422044	0
0.057246	1	777	22	0.023031	0
0.0785328	1	668	13	0.020983	0
0.0696471	1	592	16	0.0169842	0
0.0856964	1	822	23	0.0358574	0
0.0703053	1	608	15	0.025388	0
0.0991963	1	864	23	0.0301901	0
0.0717647	1	610	14	0.043405	0
0.0821176	1	698	20	0.0321322	0
0.120235	1	1022	28	0.0212832	0
0.0753129	0.940341	704	20	0.0231899	0

0.0828235	1	704	20	0.0231899	0
0.0529349	1	450	11	0.0431666	0
0.0669333	1	569	16	0.0395561	0
0.0732855	1	623	15	0.0396003	0
0.0559893	1	588	13	0.0499638	0
0.0691765	1	588	17	0.0473332	0
0.0780835	1	735	20	0.0342508	0
0.0695294	1	591	11	0.0358486	0
0.0851765	1	724	21	0.0332268	0
0.0749412	1	637	18	0.0335269	0
0.0728235	1	619	15	0.0457001	0
0.0844706	1	718	20	0.0488427	0
0.0446522	1	597	17	0.0429636	0
0.0719812	1	614	18	0.0497431	0
0.0298256	1	655	18	0.0337123	0
0.0291881	1	641	12	0.039971	0
0.0288238	1	633	13	0.0399004	0
0.0464691	1	762	21	0.0284511	0
0.0526961	1	688	18	0.044579	0
0.0809412	1	688	18	0.044579	0
0.076	1	646	18	0.0493547	0
0.0422832	1	623	13	0.0404301	0
0.09	1	765	21	0.0321499	0
0.00399906	0.0519878	654	18	0.0448703	0
0.0685882	1	583	11	0.0438816	0
0.0541207	1	461	12	0.0446496	0
0.0696173	1	593	13	0.0447644	0
0.0761693	1	684	12	0.0490104	0
0.094	1	799	21	0.0326883	0
0.0483114	1	412	12	0.0446055	0
0.0823529	1	700	15	0.0147684	0
0.114025	1	974	23	0.0246288	0
0.077895	1	672	19	0.0234194	0
0.0685645	1	1067	26	0.0354249	0
0.072171	1	618	13	0.0446496	0
0.114329	1	979	28	0.0359898	0
0.133882	1	1138	31	0.022519	0
0.0782353	1	665	19	0.0448174	0
0.0698824	1	594	17	0.0457001	0
0.0545055	1	620	14	0.0361487	0
0.0932071	1	1073	30	0.0252203	0
0.0627059	0.496738	1073	30	0.0252203	0
0.100059	1	852	24	0.0316114	0
0.0784706	1	667	17	0.0451263	0
0.108566	1	929	26	0.0109991	0
0.102118	1	868	22	0.0419749	0
0.0895294	1	761	21	0.0443936	0

0.0711765	1	605	17	0.0416218	0
0.0624545	1	601	17	0.0405448	0
0.0742353	1	631	18	0.0437139	0
0.0739049	1	631	18	0.0437139	0
0.0695846	1	593	17	0.0436786	0
0.0924706	1	786	20	0.0244876	0
0.125412	1	1066	22	0.0360869	0
0.0554305	1	960	27	0.0188821	0
0.0772596	1	671	12	0.0333416	0
0.0407059	1	346	10	0.0452499	0
0.0690588	1	587	17	0.047598	0
0.114941	1	977	25	0.00878339	0
0.0712941	1	606	15	0.0400593	0
0.0915294	1	778	22	0.0333945	0
0.109793	1	935	26	0.0230928	0
0.11	1	935	26	0.0230928	0
0.0649412	1	552	16	0.02462	0
0.138481	1	1180	33	0.0326265	0
0.0763529	1	649	18	0.0332621	0
0.0712941	1	606	17	0.0427252	0
0.0796636	1	682	19	0.0355396	0
0.0723414	1	617	18	0.0335799	0
0.0744656	1	634	17	0.0492664	0
0.0695764	1	593	17	0.0493371	0
0.0401875	1	626	18	0.0315672	0
0.116	1	986	27	0.0252203	0
0.0711765	1	605	13	0.0464151	0
0.0454567	1	941	26	0.0476775	0
0.07	1	595	13	0.0476863	0
0.0691765	1	588	16	0.0396179	0
0.0879593	0.916753	961	27	0.0219276	0
0.0484864	1	583	16	0.0465652	0
0.0803529	1	683	16	0.0411098	0
0.108235	1	920	22	0.026562	0
0.0614118	1	522	14	0.0225014	0
0.0741176	1	630	18	0.0393443	0
0.0816471	1	694	20	0.0335711	0
0.0850588	1	723	16	0.0274271	0
0.0627929	1	536	15	0.0470331	0
0.0629403	1	536	15	0.0470331	0
0.0732941	1	623	14	0.0252644	0
0.0976471	1	830	20	0.0368461	0
0.0764706	1	650	16	0.049849	0
0.0741176	1	630	18	0.0470154	0
0.0704706	1	599	17	0.0496548	0
0.0710784	1	609	17	0.0427252	0
0.0350451	1	591	17	0.0410568	0

0.0727059	1	618	17	0.0491517	0
0.101529	1	863	24	0.0335093	0
0.042	1	357	10	0.0436609	0
0.0959125	1	833	21	0.0327678	0
0.0925734	1	804	23	0.0166222	0
0.116235	1	988	25	0.0300401	0
0.0907703	1	773	21	0.0361311	0
0.0724706	1	616	17	0.0447026	0
0.0575409	1	921	26	0.0246376	0
0.0604706	1	514	12	0.0430872	0
0.0738824	1	628	17	0.0494443	0
0.0297647	0.349931	723	18	0.0490016	0
0.0850588	1	723	18	0.0490016	0
0.0608235	0.988528	523	15	0.0477922	0
0.0834118	1	709	18	0.0440582	0
0.0790588	1	672	19	0.0253968	0
0.126283	1	1095	25	0.00965731	0
0.0662353	1	563	16	0.0450116	0
0.0541763	1	587	11	0.0464151	0
0.0721176	1	613	16	0.0330767	0
0.118947	1	1012	28	0.0489928	0
0.0662205	1	564	16	0.0353984	0
0.101647	1	864	24	0.0161632	0
0.0357337	1	593	11	0.044632	0
0.059819	1	509	15	0.0447467	0
0.0813858	1	693	20	0.0241786	0
0.0890194	1	758	15	0.034242	0
0.0831871	1	711	18	0.0304461	0
0.0765882	1	651	13	0.0466888	0
0.0863529	1	734	18	0.0356191	0
0.104629	1	895	25	0.0172402	0
0.135921	1	1201	33	0.0188997	0
0.0716471	1	609	16	0.0429018	0
0.0793872	1	684	18	0.0153246	0
0.105765	1	899	26	0.0361487	0
0.0951765	1	809	23	0.0194735	0
0.113647	1	966	23	0.0231281	0
0.136824	1	1163	31	0.0173284	0
0.121875	1	1048	29	0.0186437	0
0.0917647	1	780	22	0.0183436	0
0.040611	1	678	19	0.0359192	0
0.0632871	1	593	11	0.0278597	0
0.0692587	1	611	17	0.0443142	0
0.07	1	595	12	0.0347275	0
0.0769952	1	657	18	0.0474126	0
0.100972	1	862	24	0.0499815	0
0.134941	1	1147	29	0.0252467	0

0.0823529	1	700	20	0.0317173	0
0.0949412	1	807	18	0.0230575	0
0.0574118	1	488	14	0.0489045	0
0.0788235	1	670	17	0.0362547	0
0.0527547	1	451	12	0.0498844	0
0.054682	1	466	13	0.0328472	0
0.0801177	1	681	17	0.0449056	0
0.0917647	1	780	20	0.0366784	0
0.0533239	1	454	13	0.0233929	0
0.0696471	1	592	17	0.0463534	0
0.0667103	1	612	13	0.0182553	0
0.0827059	1	703	20	0.0365195	0
0.091344	1	802	15	0.0385763	0
0.080795	1	687	20	0.0402977	0
0.0514981	1	648	15	0.0440141	0
0.120432	1	1025	22	0.0324588	0
0.11576	1	985	25	0.03117	0
0.096	1	816	23	0.0416218	0
0.0636114	1	998	25	0.025388	0
0.124942	1	1072	30	0.0167017	0
0.035018	1	1119	30	0.0136915	0
0.131015	1	1119	30	0.0136915	0
0.0741913	1	633	16	0.0444731	0
0.0885181	1	764	22	0.0301284	0
0.0903643	1	769	15	0.0349129	0
0.0476409	0.540962	769	15	0.0349129	0
0.0411721	1	607	17	0.0457619	0
0.0776222	1	726	19	0.0487015	0
0.0768781	1	658	19	0.0491517	0
0.0684659	1	586	15	0.047907	0
0.0710588	1	604	13	0.0496195	0
0.0549412	1	467	13	0.0250172	0
0.0894118	1	760	16	0.0171254	0
0.0865882	1	736	18	0.0198619	0
0.066	1	561	16	0.0393884	0
0.113717	1	994	21	0.0314701	0
0.114941	1	977	23	0.0110785	0
0.172235	1	1464	41	0.0182288	0
0.101294	1	861	19	0.0164545	0
0.0442353	1	376	11	0.0462298	0
0.0997538	1	851	23	0.0333504	0
0.0710087	1	604	17	0.0349835	0
0.0701176	1	596	12	0.0416218	0
0.05	1	425	12	0.049443	0
0.0776471	1	660	12	0.035469	0
0.0969412	1	824	17	0.035469	0
0.0608235	1	517	13	0.0487456	0



0.108123	1	981	28	0.0234812	0
0.0747278	1	851	23	0.0467241	0
0.0629412	1	535	15	0.0449321	0
0.0693972	1	1164	33	0.0048728	0
0.049368	1	664	13	0.0467682	0
0.07012	1	754	21	0.0341007	0
0.109059	1	927	24	0.0246465	0
0.0564912	1	530	15	0.0488604	0
0.0743529	1	632	17	0.0483572	0
0.0729412	1	620	14	0.0342949	0
0.0711944	1	608	12	0.0474126	0
0.0793278	1	675	15	0.0339065	0
0.0810112	1	689	19	0.0319115	0
0.0776553	1	775	20	0.0319821	0
0.0633267	1	632	18	0.0451263	0
0.0784706	1	667	18	0.0423898	0
0.0683529	1	581	13	0.0482601	0
0.104235	1	886	24	0.035981	0
0.113171	1	1880	52	0.0159337	0
0.0367204	1	610	17	0.0441641	0
0.0864279	1	917	25	0.0328472	0
0.0756471	1	643	18	0.0376935	0
0.0630044	1	968	22	0.030967	0
0.0639433	1	911	20	0.0383115	0
0.0815294	1	693	15	0.0236136	0
0.0718401	1	611	17	0.0469978	0
0.0643529	1	547	15	0.0487368	0
0.0821176	1	698	20	0.031479	0
0.0589412	1	501	11	0.044835	0
0.0710588	0.985318	613	13	0.0426193	0
0.102471	1	871	24	0.036696	0
0.0812588	1	692	15	0.0377906	0
0.0696124	1	616	15	0.037058	0
0.110446	1	941	27	0.0237019	0
0.08	1	680	15	0.0160308	0
0.0692651	1	590	17	0.0420543	0
0.0709753	1	604	17	0.0169135	0
0.0880141	1	749	21	0.0348422	0
0.101497	1	902	24	0.0288219	0
0.0703435	1	639	13	0.0205328	0
0.0899693	1	879	19	0.0455942	0
0.105732	1	1033	29	0.0228103	0
0.0959097	1	816	22	0.0249731	0
0.105313	1	896	25	0.0241874	0
0.0578824	1	492	12	0.042328	0
0.072625	1	620	17	0.0244787	0
0.0703529	1	598	17	0.0325294	0

0.0635294	1	540	10	0.0451263	0
0.0498824	1	424	12	0.0449586	0
0.0691315	1	589	14	0.0464946	0
0.0584744	1	660	19	0.0362635	0
0.0674118	1	573	14	0.04796	0
0.0690588	1	587	17	0.0478982	0
0.0857579	1	731	15	0.0212037	0
0.0814118	1	692	19	0.0430342	0
0.0707059	1	601	17	0.0333239	0
0.0808235	1	687	19	0.032653	0
0.0746129	1	636	17	0.0369697	0
0.0486861	1	415	11	0.0444554	0
0.0734118	1	624	12	0.0380908	0
0.0954859	1	844	20	0.0348158	0
0.0898824	1	764	21	0.0368373	0
0.0910588	1	774	22	0.0150951	0
0.113765	1	967	23	0.0107166	0
0.0701176	1	596	17	0.0485867	0
0.0974118	1	828	20	0.0203298	0
0.0441908	1	604	17	0.048216	0
0.0821613	1	701	18	0.0300401	0
0.126271	1	1080	22	0.0225985	0
0.0714452	1	612	10	0.0255998	0
0.0734245	1	628	14	0.0480217	0
0.0747059	1	635	16	0.0288219	0
0.0743821	1	635	16	0.0288219	0
0.074	1	629	14	0.0436168	0
0.0825688	1	702	15	0.0498049	0
0.0825882	1	702	20	0.0319468	0
0.0765882	1	651	18	0.0325294	0
0.0700615	1	604	17	0.0499285	0
0.128588	1	1093	26	0.00914532	0
0.0706076	1	602	17	0.048878	0
0.0761112	1	649	16	0.0495842	0
0.0978824	1	832	23	0.040589	0
0.0884706	1	752	21	0.0298017	0
0.0805882	1	685	12	0.032706	0
0.110824	1	942	26	0.0354249	0
0.0739136	1	631	18	0.0295722	0
0.0796201	1	679	19	0.0252203	0
0.101629	1	867	24	0.0252026	0
0.0755294	1	642	16	0.0441641	0
0.0760373	1	766	19	0.0173196	0
0.091313	1	781	19	0.0334828	0
0.0736471	1	626	17	0.045144	0
0.0909412	1	773	21	0.0454	0
0.0472189	1	781	18	0.0107431	0

0.105424	1	898	19	0.0204093	0
0.105251	1	898	19	0.0204093	0
0.0733326	1	630	11	0.0215039	0
0.0464706	1	395	11	0.0466888	0
0.107106	1	924	23	0.0249731	0
0.0684706	1	582	16	0.0401299	0
0.0815561	1	696	16	0.0330503	0
0.0623667	1	585	11	0.0475892	0
0.109181	1	930	26	0.0107166	0
0.100352	1	855	22	0.0241963	0
0.0861711	1	830	19	0.0255734	0
0.0469186	1	606	16	0.0479953	0
0.0487132	1	600	17	0.0258823	0
0.0918798	1	783	18	0.0227662	0
0.0696158	1	598	15	0.0484984	0
0.0488691	1	646	17	0.0405007	0
0.0888235	1	755	21	0.0180964	0
0.130588	1	1110	31	0.0107519	0
0.105647	1	898	26	0.0361487	0
0.039547	1	660	18	0.04796	0
0.131176	1	1115	21	0.0231281	0
0.11962	1	1020	28	0.0343479	0
0.12	1	1020	28	0.0343479	0
0.148588	1	1263	35	0.00842146	0
0.0738922	1	632	16	0.0427782	0
0.0743529	1	632	16	0.0427782	0
0.0923652	1	790	16	0.0490987	0
0.0665094	1	592	17	0.044888	0
0.092	1	782	21	0.0239579	0
0.11462	1	980	27	0.0451175	0
0.0631579	1	540	13	0.0345686	0
0.0983529	1	836	22	0.0337918	0
0.0994118	1	845	24	0.0153422	0
0.0701176	1	596	16	0.0444554	0
0.117294	1	997	25	0.0220865	0
0.0633098	1	645	16	0.0489928	0
0.0738824	1	628	17	0.0253438	0
0.0694118	1	590	13	0.0404124	0
0.0956797	1	815	16	0.0217952	0
0.0718824	1	611	17	0.0493282	0
0.0698824	0.983444	604	14	0.0421161	0
0.109412	1	930	26	0.014486	0
0.109245	1	930	26	0.014486	0
0.106702	0.997824	919	24	0.0245758	0
0.104564	1	944	22	0.00727388	0
0.124353	1	1057	25	0.0184231	0
0.0821176	1	698	16	0.0318497	0

0.0945882	1	804	22	0.0483484	0
0.0764436	1	650	13	0.0498049	0
0.0503401	1	629	17	0.0484543	0
0.0776438	1	663	19	0.0339418	0
0.102321	1	908	22	0.0154747	0
0.0785882	1	668	15	0.0358839	0
0.139529	1	1186	31	0.0176551	0
0.0885532	1	762	22	0.017046	0
0.0264364	0.295276	762	22	0.017046	0
0.0776471	1	660	17	0.048622	0
0.0765882	1	651	17	0.0435285	0
0.0805882	1	685	19	0.0361311	0
0.0588803	1	549	16	0.0488251	0
0.0847059	1	720	20	0.0154217	0
0.0449791	1	688	19	0.0361487	0
0.0854118	1	726	20	0.0365018	0
0.124941	1	1062	30	0.0176992	0
0.137765	1	1171	33	0.0135679	0
0.0703529	1	598	17	0.0444289	0
0.0814118	1	692	19	0.0354249	0
0.126	1	1071	30	0.0184672	0
0.0696471	1	592	16	0.0467329	0
0.063286	1	624	18	0.0482778	0
0.110118	1	936	23	0.0169135	0
0.0730588	1	621	18	0.0499638	0
0.0883529	1	751	21	0.0383291	0
0.0441234	1	895	20	0.0191293	0
0.0278052	1	564	16	0.0486397	0
0.0770588	1	655	11	0.0186614	0
0.0744706	1	633	17	0.0303402	0
0.114471	1	973	27	0.0326795	0
0.0800141	1	681	14	0.0383115	0
0.0715294	1	608	17	0.0481807	0
0.0702353	1	597	17	0.0418866	0
0.122575	1	1049	30	0.00999276	0
0.111475	1	954	27	0.034904	0
0.0835294	1	710	20	0.025282	0
0.0779633	1	663	14	0.0341184	0
0.111595	1	949	19	0.0186614	0
0.0713952	1	612	14	0.041869	0
0.0694036	1	590	16	0.0448438	0
0.0604896	1	803	20	0.0348511	0
0.0731736	1	629	16	0.0382497	0
0.0782599	1	671	19	0.0244081	0
0.0964706	1	820	22	0.0364489	0
0.077877	1	741	21	0.0336152	0
0.0930588	1	791	19	0.0301019	0

0.0798824	1	679	19	0.0181141	0
0.0782353	1	665	19	0.0475009	0
0.0676471	0.991379	580	10	0.0495754	0
0.118221	1	1005	28	0.0317703	0
0.0776126	1	1013	28	0.0363429	0
0.119176	1	1013	28	0.0363429	0
0.082816	1	707	15	0.0246465	0
0.0757647	1	644	18	0.0480659	0
0.0502868	1	868	20	0.0324588	0
0.0581248	1	597	17	0.0489222	0
0.0948235	1	806	23	0.02462	0
0.0737375	1	714	20	0.0461944	0
0.0585534	1	714	20	0.0461944	0
0.0792941	1	674	17	0.0493282	0
0.043452	1	719	18	0.0475539	0
0.127541	1	1142	33	0.0354513	0
0.134353	1	1142	33	0.0354513	0
0.0686022	1	586	16	0.0432549	0
0.0997647	1	848	24	0.0359192	0
0.0708235	1	602	12	0.048216	0
0.0531046	1	585	17	0.0492488	0
0.0424115	1	605	16	0.0422309	0
0.0705882	1	600	15	0.0444996	0
0.0706929	1	604	17	0.0426281	0
0.125878	1	1075	26	0.0239226	0
0.041896	1	822	23	0.0187585	0
0.101176	1	860	22	0.0491517	0
0.105529	1	897	24	0.0249643	0
0.072235	1	627	18	0.0445614	0
0.0304644	1	698	19	0.0242934	0
0.0208787	1	662	19	0.0392207	0
0.0716471	1	609	15	0.0351424	0
0.0830304	1	708	14	0.0269063	0
0.0530811	1	665	19	0.0319027	0
0.0779541	1	663	18	0.0454353	0
0.0693383	1	590	17	0.042893	0
0.0838824	1	713	20	0.0221218	0
0.0637158	1	678	19	0.0313642	0
0.12701	1	1082	30	0.0324147	0
0.0505443	1	599	17	0.0496813	0
0.0763081	1	649	14	0.0426634	0
0.132824	1	1129	32	0.0367578	0
0.0747795	1	636	18	0.02989	0
0.0723908	1	618	17	0.0341096	0
0.0629431	1	657	17	0.04668	0
0.0918824	1	781	22	0.0377112	0
0.0955624	1	870	24	0.0252026	0

0.0918824	1	781	22	0.0173814	0
0.0694118	1	590	16	0.0450734	0
0.0608235	1	517	15	0.0423457	0
0.0872941	1	742	20	0.0357603	0
0.0947059	1	805	15	0.0467418	0
0.0952941	1	810	20	0.0126322	0
0.0729412	1	620	18	0.0470596	0
0.0356376	1	780	21	0.0343126	0
0.0239654	0.262821	780	21	0.0343126	0
0.0734516	1	625	16	0.0442083	0
0.0708235	1	602	10	0.0242227	0
0.123412	1	1049	27	0.0107608	0
0.0251258	1	619	18	0.0437757	0
0.0723745	1	623	18	0.0380643	0
0.0363289	1	895	22	0.0416306	0
0.0328991	1	596	17	0.0434314	0
0.0019225	0.0536913	596	17	0.0434314	0
0.113176	1	962	21	0.0236136	0
0.100256	1	860	24	0.0348246	0
0.083557	1	716	20	0.0348334	0
0.122185	1	1047	23	0.039309	0
0.138377	1	1178	28	0.0121643	0
0.0722353	1	614	16	0.0444378	0
0.00604933	0.0554963	937	26	0.0314525	0
0.110235	1	937	26	0.0314525	0
0.0924706	1	786	20	0.0467418	0
0.0769411	1	655	14	0.0290073	0
0.0891378	1	764	16	0.0342949	0
0.0542788	1	803	16	0.0360516	0
0.0944706	1	803	16	0.0360516	0
0.0622353	1	529	15	0.0185643	0
0.0651765	1	554	14	0.0496284	0
0.0827059	1	703	15	0.0317261	0
0.0647726	1	782	22	0.0444554	0
0.0721176	1	613	11	0.041507	0
0.0917647	1	780	20	0.044632	0
0.0357683	1	591	17	0.0443054	0
0.0684675	1	659	17	0.0233576	0
0.0695294	1	591	16	0.0475627	0
0.0941176	1	800	14	0.0453558	0
0.107176	1	911	21	0.0287071	0
0.0701176	1	596	17	0.0485426	0
0.089554	1	763	19	0.0496548	0
0.0694722	1	591	17	0.0465476	0
0.107377	1	917	25	0.0234459	0
0.103412	1	879	24	0.0219982	0
0.0745882	1	634	16	0.0314878	0

0.0696908	1	613	15	0.0420808	0
0.100045	1	880	23	0.0314172	0
0.0249232	1	430	12	0.0335623	0
0.0362256	1	625	16	0.0443142	0
0.0352669	1	594	10	0.0451263	0
0.0764706	1	650	17	0.0485337	0
0.0935294	1	795	22	0.0348334	0
0.0482353	1	410	12	0.0419484	0
0.0866189	1	859	25	0.0244787	0
0.0713782	1	607	17	0.0462298	0
0.0980277	1	835	18	0.0313642	0
0.0847716	1	722	20	0.0390088	0
0.039006	1	653	19	0.0404301	0
0.0380503	1	637	18	0.0218393	0
0.0757966	1	647	16	0.0450557	0
0.0752109	1	642	18	0.045656	0
0.0952437	1	811	21	0.0468124	0
0.0452143	1	385	11	0.0365107	0
0.09	1	765	21	0.0330679	0
0.0510726	1	569	16	0.0476333	0
0.062396	1	675	19	0.0383556	0
0.0984608	1	838	24	0.0238343	0
0.126036	1	1080	29	0.0174608	0
0.0700853	1	600	17	0.0490369	0
0.0830588	1	706	20	0.0439169	0
0.0778823	1	662	18	0.0112551	0
0.0808634	1	723	16	0.0367137	0
0.0877647	1	746	21	0.0273212	0
0.0732941	1	623	11	0.0337212	0
0.0731765	1	622	17	0.0274713	0
0.0857647	1	729	21	0.035469	0
0.120588	1	1025	29	0.0254233	0
0.120588	1	1025	29	0.0254233	0
0.105529	1	897	22	0.0118642	0
0.0792941	1	674	12	0.033421	0
0.0767059	1	652	19	0.0444643	0
0.0922951	1	787	22	0.0238343	0
0.0880732	1	751	21	0.0352571	0
0.0822353	1	699	20	0.034904	0
0.0507023	1	592	10	0.0302343	0
0.171445	1	1459	37	0.0214862	0
0.0444706	1	378	11	0.0450822	0
0.129059	1	1097	29	0.0248054	0
0.0717647	1	610	17	0.0469801	0
0.138235	1	1175	25	0.0230222	0
0.100524	1	864	24	0.0331739	0
0.0743908	1	635	18	0.0414452	0

0.0763529	1	649	18	0.0497431	0
0.0799955	1	713	20	0.0359898	0
0.0712614	1	609	15	0.0497078	0
0.0282663	1	667	19	0.0466005	0
0.0825021	1	703	20	0.0492311	0
0.0681038	1	635	12	0.0409774	0
0.0708235	1	602	12	0.0464328	0
0.124738	1	1073	23	0.0186614	0
0.108471	1	922	18	0.0186614	0
0.122006	1	1039	21	0.018273	0
0.0278824	0.390445	607	10	0.0451793	0
0.00672519	0.15807	601	14	0.0489486	0
0.0465516	1	596	17	0.0471655	0
0.0674361	1	596	17	0.0471655	0
0.0744706	1	633	14	0.025132	0
0.0684884	1	594	13	0.0485161	0
0.08015	1	684	19	0.033624	0
0.0758519	1	670	15	0.0431666	0
0.0402306	1	342	10	0.0464769	0
0.0718824	1	611	17	0.0493017	0
0.0470272	1	821	23	0.0201532	0
0.0964521	1	821	23	0.0201532	0
0.122576	1	1043	27	0.025079	0
0.0507145	1	433	12	0.049902	0
0.0710588	1	604	15	0.036696	0
0.0750588	1	638	18	0.0447556	0
0.08	1	680	19	0.0359369	0
0.0927059	1	788	22	0.0333504	0
0.0960386	1	817	23	0.0234459	0
0.0823239	1	700	20	0.0451616	0
0.0903104	1	768	17	0.0364489	0
0.106471	1	905	23	0.0226426	0
0.0725882	1	617	14	0.0493282	0
0.119647	1	1017	23	0.0182465	0
0.0761176	1	647	13	0.0466888	0
0.0308571	1	508	14	0.0335269	0
0.0781266	1	779	22	0.0348511	0
0.0711346	1	605	16	0.0475186	0
0.0365831	1	582	17	0.0462298	0
0.0608473	1	619	14	0.0483572	0
0.0852941	1	725	21	0.0459914	0
0.0718779	1	617	17	0.0495401	0
0.0683641	1	588	14	0.047139	0
0.0856471	1	728	21	0.0487368	0
0.0685882	1	583	13	0.0480835	0
0.0981176	1	834	23	0.0455942	0
0.121009	1	1031	29	0.0264384	0



0.0725882	1	617	18	0.0380202	0
0.103059	1	876	23	0.0407214	0
0.0699608	1	606	11	0.0496548	0
0.0868728	1	767	21	0.0253438	0
0.0631702	1	542	16	0.0482601	0
0.0751229	1	642	18	0.0438198	0
0.0583529	1	496	14	0.0249113	0
0.123412	1	1049	29	0.0173549	0
0.0778142	1	665	18	0.0273388	0
0.071395	1	607	11	0.0325471	0
0.135294	1	1150	30	0.0156424	0
0.0983529	1	836	24	0.0103017	0
0.0411883	1	617	18	0.0244876	0
0.0725882	1	617	18	0.0244876	0
0.0324048	1	919	26	0.0331739	0
0.0395275	1	1121	26	0.0237372	0
0.0220733	1	626	17	0.0236313	0
0.0159732	1	453	13	0.0212037	0
0.134235	1	1141	31	0.0240727	0
0.0877316	1	748	21	0.0341537	0
0.0712528	1	608	17	0.0466888	0
0.0689412	1	586	11	0.0398122	0
0.0823529	1	700	20	0.0463798	0
0.0300954	1	426	12	0.0353719	0
0.0627934	1	535	15	0.0487191	0
0.0781542	1	669	19	0.0230928	0
0.0229412	0.29148	669	19	0.0230928	0
0.0431015	1	587	13	0.0424516	0
0.131103	1	1117	29	0.00986035	0
0.0818342	1	696	20	0.0488692	0
0.0792941	1	674	18	0.0342949	0
0.0830588	1	706	19	0.0447644	0
0.100941	1	858	21	0.024364	0
0.0852911	1	737	15	0.042072	0
0.0924597	1	786	22	0.0331562	0
0.0700106	1	596	17	0.0445084	0
0.0450922	1	990	25	0.0267121	0
0.085343	1	729	20	0.0335887	0
0.0880356	1	752	19	0.0241168	0
0.0731765	1	622	13	0.0439081	0
0.156	1	1326	36	0.0431578	0
0.0844476	1	720	20	0.0366254	0
0.0842697	1	720	20	0.0366254	0
0.0666966	1	594	13	0.0395208	0
0.0790588	1	672	19	0.0479511	0
0.0707059	1	601	11	0.049443	0
0.0875998	1	746	21	0.0367225	0

0.0618605	1	526	15	0.0461238	0
0.0710588	1	604	17	0.0496901	0
0.0712941	1	606	17	0.046574	0
0.0974118	1	828	19	0.0301901	0
0.088	1	748	18	0.0388146	0
0.0899613	1	768	21	0.0350541	0
0.0699018	1	605	12	0.0327413	0
0.0791173	1	674	19	0.0449586	0
0.0334827	1	411	10	0.0497078	0
0.0543775	1	618	13	0.0454265	0
0.0789654	1	693	20	0.035266	0
0.103122	1	905	19	0.0129147	0
0.0785882	1	668	15	0.0363782	0
0.0924706	1	786	19	0.0446143	0
0.0727059	1	618	14	0.0487015	0
0.0957647	1	814	21	0.0320969	0
0.000546173	0.0219595	592	13	0.0489222	0
0.0685882	1	583	10	0.0426105	0
0.0858824	1	730	17	0.0454088	0
0.0566435	1	833	23	0.0353189	0
0.0823624	1	714	16	0.017708	0
0.0427276	1	683	19	0.0400328	0
0.0407257	1	651	15	0.0408803	0
0.0678232	1	606	10	0.0485426	0
0.100588	1	855	24	0.0238255	0
0.0695897	1	592	16	0.0481983	0
0.0691196	1	588	16	0.0358045	0
0.048656	1	1001	29	0.0104783	0
0.0956942	0.988012	1001	29	0.0104783	0
0.0764108	1	1572	42	0.0182818	0.083333
0.152104	1	1572	42	0.0182818	0.083333
0.0590742	1	513	14	0.0431666	0
0.0602113	1	513	14	0.0431666	0
0.0768235	1	653	15	0.0402359	0
0.0685882	1	583	11	0.0423368	0
0.102588	1	872	21	0.0297046	0
0.0520993	1	443	13	0.0361929	0
0.0880278	1	836	24	0.0162691	0
0.0695318	1	597	10	0.047907	0
0.058	1	493	11	0.0468035	0
0.0885882	1	753	21	0.0354513	0
0.0782353	1	665	19	0.0341096	0
0.0728235	1	619	18	0.0481188	0
0.0724706	1	616	17	0.0478011	0
0.116353	1	989	26	0.0252467	0
0.119822	1	1021	25	0.0335446	0
0.0709412	1	603	10	0.0425045	0

0.0691765	1	588	17	0.0457266	0
0.0897497	1	1126	31	0.0275331	0
0.130539	1	1140	31	0.013409	0
0.0744303	1	650	18	0.0345598	0
0.0689412	1	586	16	0.0284158	0
0.0741277	1	665	17	0.0480659	0
0.0560956	1	681	18	0.0420632	0
0.0685541	1	586	17	0.040995	0
0.102941	1	875	23	0.0252291	0
0.104797	1	994	24	0.0186614	0
0.107465	1	917	19	0.0259529	0
0.0263529	0.244275	917	19	0.0259529	0
0.0408865	1	690	19	0.0405184	0
0.0867745	1	746	21	0.0438905	0
0.0827651	1	704	15	0.0338094	0
0.0785236	1	668	19	0.0490104	0
0.0505593	1	678	15	0.0470684	0
0.0791779	1	678	15	0.0470684	0
0.0257271	1	345	10	0.046424	0
0.0715294	1	608	12	0.0472008	0
0.089903	1	788	22	0.0427517	0
0.074	1	629	15	0.0466888	0
0.0840757	1	755	19	0.0430519	0
0.0677871	1	601	17	0.0339065	0
0.127059	1	1080	24	0.0241786	0
0.0855294	1	727	21	0.0437404	0
0.0801177	1	681	16	0.0315672	0
0.09	1	765	21	0.0346039	0
0.0483746	0.569935	765	21	0.0346039	0
0.0772668	1	657	12	0.0252644	0
0.0958824	1	815	20	0.0335269	0
0.0945835	1	805	20	0.0405537	0
0.0792056	1	678	12	0.0327678	0
0.11089	1	949	27	0.00871277	0
0.0911765	1	775	22	0.0466182	0
0.0862353	1	733	19	0.0492223	0
0.0617725	1	536	13	0.045603	0
0.0558564	1	691	20	0.0454	0
0.0587059	1	499	10	0.0404919	0
0.0681713	1	589	10	0.0423633	0
0.0721176	1	613	16	0.0488692	0
0.0710588	1	604	14	0.0336682	0
0.0756579	1	644	18	0.0493282	0
0.114706	1	975	26	0.0202415	0
0.056693	1	695	20	0.0327237	0
0.0774239	1	666	14	0.0100281	0
0.0288249	1	718	19	0.0350806	0

0.0425608	1	718	19	0.0350806	0
0.0448031	1	1116	28	0.0330414	0
0.0386206	1	962	27	0.0245229	0
0.135434	1	1152	32	0.0355661	0
0.0881903	1	923	26	0.0246729	0
0.0707547	1	705	20	0.0416924	0
0.0633678	1	785	22	0.03117	0
0.0910356	1	785	22	0.03117	0
0.058791	1	638	18	0.0433167	0
0.0881176	1	749	21	0.0469271	0
0.0747302	1	637	18	0.0473597	0
0.0701111	1	631	12	0.0328561	0
0.0797397	1	821	24	0.0451175	0
0.111979	1	960	20	0.0216804	0
0.0689412	1	586	11	0.0475892	0
0.0693489	1	605	17	0.0465829	0
0.0785965	0.860435	781	22	0.0423015	0
0.0691765	1	588	17	0.0498844	0
0.132706	1	1128	31	0.0359633	0
0.0929412	1	790	22	0.0335887	0
0.0688235	1	585	17	0.038082	0
0.0996471	1	847	19	0.0138857	0
0.0709412	1	603	10	0.0473597	0
0.07	1	595	17	0.0465652	0
0.0722353	1	614	17	0.0470154	0
0.101055	1	862	20	0.0162956	0
0.064	1	544	16	0.0466005	0
0.0638824	1	543	12	0.049646	0
0.0887127	1	940	24	0.0251408	0
0.078827	1	672	19	0.033933	0
0.051579	1	717	20	0.0234989	0
0.0845263	1	1175	32	0.00782119	0
0.103529	1	880	24	0.0359987	0
0.0589964	1	502	12	0.0475716	0
0.0690588	1	587	14	0.0380643	0
0.0738957	1	629	18	0.0491428	0
0.0558824	1	475	14	0.0481807	0
0.0715294	1	608	16	0.0294222	0
0.0741176	1	630	18	0.0475539	0
0.117647	1	1000	27	0.0424251	0
0.0840661	1	717	14	0.0315672	0
0.0405675	0.535604	646	13	0.0362635	0
0.0907059	1	771	20	0.0365813	0
0.0604706	1	514	15	0.0489222	0
0.0501892	1	849	23	0.0466005	0
0.0587201	1	501	14	0.0408626	0
0.0812941	1	691	17	0.0348687	0

0.0715294	1	608	10	0.0454088	0
0.0747059	1	635	17	0.0340919	0
0.0589412	1	501	14	0.0464151	0
0.0723174	1	616	17	0.0479776	0
0.0938014	1	799	21	0.0363076	0
0.0743773	1	636	18	0.0374287	0
0.0699	1	601	17	0.0424251	0
0.0714118	1	607	15	0.0459649	0
0.0936416	1	810	17	0.0445967	0
0.0714286	1	611	18	0.0438728	0
0.0833333	1	987	22	0.031223	0
0.0639535	1	594	17	0.0397945	0
0.0546188	1	596	11	0.0316114	0
0.121421	1	1056	27	0.0184937	0
0.0837647	1	712	20	0.0341537	0
0.0534239	1	692	13	0.049187	0
0.0565713	1	789	22	0.0337741	0
0.0744706	0.99061	639	18	0.0260589	0
0.0827059	1	703	18	0.0360516	0
0.0683571	1	585	15	0.0423721	0
0.0698824	1	594	14	0.0415335	0
0.0413835	1	609	17	0.0479423	0
0.0783529	1	666	19	0.0254233	0
0.0572941	1	487	14	0.042328	0
0.0850588	1	723	20	0.0172137	0
0.0715965	1	609	17	0.0393531	0
0.0761099	1	648	17	0.0478364	0
0.0715292	1	609	14	0.0489486	0
0.0658722	1	608	13	0.0475539	0
0.0567444	1	594	17	0.0434668	0
0.0722469	1	618	15	0.0482954	0
0.0538824	1	458	13	0.0475009	0
0.110706	1	941	24	0.0211684	0
0.0775832	1	660	18	0.0496372	0
0.0502354	1	651	18	0.0487279	0
0.115556	1	988	25	0.0483219	0
0.0721577	0.984	625	17	0.0337212	0
0.0916454	1	826	23	0.0409686	0
0.0527921	1	502	10	0.04668	0
0.108575	1	961	26	0.0232958	0
0.121863	1	1039	27	0.047395	0
0.0722353	1	614	17	0.031426	0
0.0702353	1	597	17	0.0399975	0
0.111137	1	947	26	0.0285659	0
0.170388	1	1450	40	0.0284335	0
0.0712941	1	606	14	0.0464946	0
0.0780259	1	664	19	0.0314172	0

0.088547	1	777	18	0.0234901	0
0.0912941	1	776	22	0.0343479	0
0.188353	1	1601	39	0.0111139	0
0.0620178	1	619	17	0.0423633	0
0.0274118	0.148787	1566	36	0.0301284	0
0.0724417	1	618	16	0.047598	0
0.107873	1	918	23	0.0184054	0
0.0772941	1	657	14	0.0353807	0
0.0822526	1	704	14	0.0370227	0
0.0757168	1	647	16	0.0420808	0
0.121191	1	1034	24	0.036546	0
0.094566	1	804	23	0.0326883	0
0.0524706	1	446	13	0.0440847	0
0.103469	1	880	20	0.0106636	0
0.116118	1	987	16	0.0296252	0
0.086908	1	857	24	0.0322028	0
0.0894047	1	859	20	0.0317703	0
0.0705151	1	601	15	0.039565	0
0.0411098	1	686	20	0.0348687	0
0.0607167	1	715	20	0.0452411	0
0.0717389	1	611	14	0.0389029	0
0.119995	1	1022	25	0.0212302	0
0.0782977	1	666	18	0.0357427	0
0.0810874	1	692	15	0.0253174	0
0.0872941	1	742	18	0.0427252	0
0.0771765	1	656	17	0.0452676	0
0.0863529	1	734	16	0.0440847	0
0.0785939	1	673	13	0.020727	0
0.0187804	0.240713	673	13	0.020727	0
0.132308	1	1127	29	0.0134443	0
0.126011	1	1075	26	0.0238961	0
0.0441135	1	619	17	0.0466888	0
0.141176	1	1200	33	0.0156865	0
0.110015	1	981	28	0.0348864	0
0.0518824	1	441	13	0.0398475	0
0.0791392	1	673	18	0.0367578	0
0.0716313	1	631	15	0.0341272	0
0.0707059	1	601	12	0.0390795	0
0.0868532	1	804	22	0.025282	0
0.0698439	1	595	10	0.0485514	0
0.0636021	1	725	16	0.0452058	0
0.074548	1	635	13	0.0450557	0
0.0374919	1	635	13	0.0450557	0
0.132529	1	1131	31	0.0295722	0
0.0708235	1	602	13	0.0435285	0
0.0749412	1	637	18	0.0464505	0
0.0691629	1	604	15	0.0447909	0

0.0548682	1	785	16	0.0425928	0
0.0630504	1	537	15	0.0254498	0
0.0498556	1	725	13	0.0423368	0
0.0932941	1	793	20	0.0489222	0
0.121882	1	1036	25	0.0248054	0
0.0612122	1	1019	23	0.0280009	0
0.0791765	1	673	19	0.0448527	0
0.0845882	1	719	19	0.048878	0
0.00482353	0.0522293	785	22	0.0324765	0
0.0709412	1	603	18	0.0475009	0
0.0749412	1	637	18	0.0452499	0
0.124118	1	1055	26	0.0186614	0
0.0424923	1	371	11	0.0447467	0
0.100963	1	860	24	0.033624	0
0.102419	1	889	24	0.0327501	0
0.0636423	1	968	25	0.0162956	0
0.0653284	1	755	21	0.0305609	0
0.0719812	1	614	18	0.0475009	0
0.129647	1	1102	27	0.0113875	0
0.0928235	1	789	22	0.023852	0
0.0819231	1	731	17	0.0355396	0
0.0708282	1	632	18	0.040845	0
0.0820152	1	700	20	0.0360869	0
0.0773286	1	660	15	0.0332974	0
0.0690934	1	615	17	0.0464593	0
0.0922269	1	808	22	0.0260677	0
0.106235	1	903	23	0.0180346	0
0.0868772	1	762	21	0.0367843	0
0.124941	1	1062	30	0.0170195	0
0.0883529	1	751	18	0.0499991	0
0.0513081	1	1110	28	0.0112021	0
0.0548211	1	1186	29	0.0175403	0
0.0489067	1	416	12	0.0353719	0
0.063103	1	981	24	0.0308346	0
0.0525702	1	586	11	0.0463445	0
0.0695294	1	591	17	0.0476775	0
0.0832941	1	708	20	0.0404301	0
0.0419408	1	357	10	0.0464328	0
0.0733861	1	640	17	0.0413834	0
0.110353	1	938	25	0.0141505	0
0.0898401	1	764	21	0.0326177	0
0.0864034	1	849	24	0.0176639	0
0.0359015	1	589	13	0.0380202	0
0.0994358	1	846	22	0.0444819	0
0.105035	1	895	22	0.0364489	0
0.0722727	1	636	18	0.0434314	0
0.0994592	1	846	24	0.0362811	0

0.0743831	1	633	12	0.0301284	0
0.0995676	1	852	23	0.0419308	0
0.0221185	0.290087	686	18	0.0324765	0
0.120745	1	1245	35	0.0345421	0
0.0572929	1	491	14	0.0399357	0
0.0809719	1	1163	30	0.0173196	0
0.0722425	1	615	16	0.047598	0
0.109832	1	935	26	0.0273388	0
0.0803903	1	692	18	0.0292279	0
0.036271	1	598	17	0.0475539	0
0.052879	1	450	13	0.0463798	0
0.0862109	1	734	19	0.0244434	0
0.0943152	1	803	22	0.0318939	0
0.0408852	1	606	17	0.0372169	0
0.0558308	1	631	16	0.0426634	0
0.0848813	1	722	14	0.0329885	0
0.0762652	1	651	15	0.0179728	0
0.0890298	1	758	21	0.0316114	0
0.116588	1	991	24	0.0303755	0
0.0709377	1	609	17	0.0427341	0
0.07	1	595	14	0.035672	0
0.0706433	1	604	11	0.0476775	0
0.0691477	1	589	17	0.0492399	0
0.120686	1	1028	28	0.0174344	0
0.0802633	1	695	20	0.0294222	0
0.0683337	1	593	17	0.0423633	0
0.000235294	0.00337268	593	17	0.0423633	0
0.069947	1	607	11	0.0461503	0
0.0786295	1	677	19	0.044632	0
0.102213	1	882	25	0.0166752	0
0.0729384	1	628	17	0.0314878	0
0.0477753	1	626	17	0.0409244	0
0.0729519	1	626	17	0.0409244	0
0.0682485	1	791	17	0.0360869	0
0.107059	1	910	18	0.013868	0
0.0696232	1	606	11	0.048216	0
0.0832078	1	718	20	0.0368108	0
0.0707059	1	601	17	0.0498579	0
0.0749824	1	639	18	0.0426987	0
0.0677604	1	983	28	0.0329885	0
0.0768235	1	653	18	0.0439787	0
0.0737003	1	628	17	0.0430254	0
0.0716471	1	609	13	0.0434844	0
0.0284215	1	585	17	0.0464063	0
0.0454118	1	386	11	0.0488957	0
0.112077	1	954	22	0.0315672	0
0.0703529	1	598	16	0.0461944	0



0.0711765	1	605	16	0.0457001	0
0.104695	1	892	25	0.0182024	0
0.0743569	1	633	18	0.0477569	0
0.100824	1	857	24	0.0182465	0
0.130824	1	1112	31	0.0165516	0
0.0468939	1	582	14	0.0383026	0
0.0772702	1	959	24	0.0281775	0
0.0738476	0.984326	638	18	0.0291573	0
0.0738824	1	628	13	0.0409686	0
0.0697836	1	603	17	0.0419396	0
0.0821437	1	725	20	0.0476687	0
0.0270522	1	407	12	0.0403859	0
0.0359033	1	407	12	0.0403859	0
0.112591	1	964	27	0.0172402	0
0.0723529	1	615	18	0.0494518	0
0.07485	1	661	19	0.041763	0
0.0722157	1	616	12	0.0462298	0
0.0846109	1	723	20	0.033986	0
0.0721176	1	613	12	0.0484719	0
0.0829412	1	705	20	0.0414188	0
0.0544444	1	833	23	0.0410921	0
0.0749022	1	670	19	0.0419219	0
0.0576859	1	516	11	0.0491517	0
0.0958421	1	816	23	0.033933	0
0.0711769	1	606	11	0.0498579	0
0.0767744	1	715	18	0.0324588	0
0.0811765	1	690	13	0.0311347	0
0.122768	1	1045	27	0.019447	0
0.0856471	1	728	20	0.0214774	0
0.0797647	1	678	19	0.0472008	0
0.0852941	1	725	16	0.0314878	0
0.0777647	1	661	19	0.0307286	0
0.0785882	1	668	18	0.0345598	0
0.0687059	1	584	16	0.0331739	0
0.0949025	1	808	23	0.0209919	0
0.0553059	1	763	22	0.0372875	0
0.101647	1	864	21	0.0319292	0
0.0874361	1	753	15	0.0361929	0
0.0823529	1	700	20	0.0448438	0
0.0759199	1	652	13	0.0190322	0
0.0602096	1	787	19	0.0352836	0
0.0549308	1	718	19	0.0267916	0
0.0386998	1	606	17	0.0480571	0
0.104941	1	892	14	0.0493017	0
0.133765	1	1137	26	0.0242845	0
0.0778823	1	662	18	0.0478364	0
0.0928235	1	789	22	0.0359369	0

0.119294	1	1014	27	0.0245317	0
0.0440038	1	375	11	0.0469271	0
0.0916431	1	1101	29	0.0214774	0
0.0808235	1	687	19	0.0451793	0
0.0728235	1	619	16	0.0424516	0
0.0843529	1	717	20	0.0383026	0
0.117121	1	996	20	0.0103017	0
0.0833725	1	709	20	0.0296517	0
0.0816948	1	698	17	0.0469095	0
0.0992941	1	844	18	0.0321322	0
0.072	1	612	16	0.0451881	0
0.0692941	1	589	17	0.0494783	0
0.0968235	1	823	23	0.0349129	0
0.0646813	1	897	25	0.0435285	0
0.0998886	1	897	25	0.0435285	0
0.0688636	1	955	27	0.0355308	0
0.106347	1	955	27	0.0355308	0
0.0800603	1	691	20	0.0364136	0
0.0701431	1	608	17	0.0451793	0
0.0690624	1	590	16	0.0395297	0
0.082572	1	705	19	0.0498844	0
0.0720636	1	616	13	0.0345156	0
0.0679612	1	616	12	0.0460356	0
0.13886	1	1186	30	0.00914532	0
0.101412	1	869	21	0.0218923	0
0.0247403	0.286486	740	20	0.0359722	0
0.0714452	1	613	14	0.0328737	0
0.0623529	1	530	14	0.0443142	0
0.0843303	1	719	20	0.0401917	0
0.0697347	1	594	15	0.0473597	0
0.122142	1	1063	23	0.033933	0
0.129294	1	1099	30	0.0126322	0
0.0598983	1	577	13	0.0479776	0
0.0682801	1	584	13	0.04796	0
0.0709412	1	603	17	0.049443	0
0.0908235	1	772	16	0.0367843	0
0.0684642	1	584	13	0.0455942	0
0.0921377	1	784	16	0.04796	0
0.0849489	1	723	20	0.0499726	0
0.0680623	1	647	12	0.0418072	0
0.110471	1	940	26	0.0301107	0
0.0446376	1	380	11	0.044835	0
0.0473201	1	407	10	0.044579	0
0.0634816	1	869	20	0.045859	0
0.122588	1	1042	24	0.0188909	0
0.0889378	1	767	20	0.0434668	0
0.072148	1	616	16	0.0473597	0

0.121765	1	1035	27	0.0182642	0
0.0745972	1	639	14	0.0335711	0
0.0979841	1	836	22	0.0115641	0
0.0691765	1	588	16	0.0251231	0
0.0691602	1	588	16	0.0251231	0
0.103529	1	880	24	0.0228192	0
0.0715294	1	608	17	0.0444554	0
0.0956471	1	813	22	0.0146184	0
0.0734118	1	624	18	0.0451528	0
0.0804706	1	684	14	0.035469	0
0.103906	1	915	23	0.0239226	0
0.0335084	1	606	17	0.0225985	0
0.0838824	1	713	21	0.0354249	0
0.0782092	1	697	20	0.035469	0
0.0507707	1	998	27	0.0360251	0
0.120588	1	1025	16	0.0431931	0
0.0712941	1	606	16	0.0483484	0
0.0723529	1	615	17	0.0477658	0
0.0948235	1	806	22	0.0481188	0
0.0527227	0.452475	1010	29	0.031885	0
0.104118	1	885	25	0.0312318	0
0.0874118	1	743	21	0.0175491	0
0.112748	1	987	24	0.0175756	0
0.121088	1	1060	30	0.0238167	0
0.0910588	1	774	19	0.0484543	0
0.0814118	1	692	19	0.0475716	0
0.0559616	1	559	16	0.0342685	0
0.0739739	1	629	13	0.0475539	0
0.0707059	1	601	13	0.0487986	0
0.0699732	1	601	13	0.0487986	0
0.0870332	1	1135	28	0.0107166	0
0.0485459	1	424	12	0.0471831	0
0.0825882	1	702	18	0.035469	0
0.131176	1	1115	31	0.0284158	0
0.10573	1	906	15	0.0324147	0
0.0736375	1	631	15	0.0468035	0
0.072627	1	619	14	0.036952	0
0.0775792	1	664	18	0.0311347	0
0.0689333	1	590	10	0.0215392	0
0.116279	1	995	28	0.0351247	0
0.069478	1	603	17	0.0468124	0
0.0923474	1	788	22	0.034957	0
0.0740828	1	630	18	0.0434138	0
0.144	1	1224	29	0.00899525	0
0.0264706	0.367047	613	18	0.0436963	0
0.163555	1	1393	37	0.00802422	0
0.0871452	1	743	15	0.0466888	0

0.0405882	1	345	10	0.045038	0
0.138977	1	1182	26	0.0120584	0
0.0770588	1	655	14	0.0326089	0
0.128445	1	1114	26	0.0177257	0
0.0439926	1	621	17	0.0444025	0
0.0459124	1	392	11	0.0482866	0
0.0943529	1	802	23	0.0452676	0
0.0272441	1	614	17	0.0423368	0
0.0272441	1	614	14	0.0474833	0
0.121529	1	1033	25	0.0243552	0
0.0878824	1	747	21	0.0463798	0
0.104353	1	887	19	0.0311965	0
0.0569746	1	658	19	0.0347628	0
0.070728	1	613	12	0.043405	0
0.0685358	1	594	12	0.0426987	0
0.054	1	459	11	0.0240197	0
0.134353	1	1142	31	0.025132	0
0.0738824	1	628	18	0.0301372	0
0.130941	1	1113	26	0.0144771	0
0.0644706	1	548	15	0.0367313	0
0.0934118	1	794	22	0.0331739	0
0.0718824	1	611	17	0.0489575	0
0.170299	1	1555	42	0.0336329	0
0.0475294	1	404	10	0.0460002	0
0.0848235	1	721	20	0.0330591	0
0.0712941	1	606	16	0.0461415	0
0.0539482	1	744	21	0.0478717	0
0.0662353	1	563	12	0.0240374	0
0.0986526	1	842	24	0.0338359	0
0.0895294	1	761	15	0.035469	0
0.112	1	952	25	0.0479864	0
0.0620134	1	924	21	0.0249643	0
0.0876471	1	745	15	0.0463798	0
0.116471	1	990	26	0.0415777	0
0.064184	1	586	16	0.0459649	0
0.0727059	1	618	12	0.0184937	0
0.118462	1	1017	25	0.0250967	0
0.100953	1	1017	25	0.0250967	0
0.0707059	1	601	15	0.0351247	0
0.114706	1	975	22	0.0175756	0
0.0798595	1	682	17	0.044632	0
0.0579581	1	587	17	0.0485337	0
0.0978476	1	991	27	0.0230928	0
0.0844706	1	718	19	0.0363782	0
0.0790588	1	672	17	0.0107343	0
0.076842	1	656	19	0.0255645	0
0.0557489	1	753	21	0.0355396	0

0.0696664	1	593	17	0.0444643	0
0.0478436	1	416	12	0.0423986	0
0.0796471	1	677	18	0.0220953	0
0.0836921	1	797	22	0.0315672	0
0.0754695	1	643	12	0.0491958	0
0.0710588	1	604	17	0.044412	0
0.0996471	1	847	24	0.02989	0
0.0969412	1	824	23	0.036493	0
0.0763297	1	663	19	0.0321234	0
0.0844394	1	738	21	0.0327237	0
0.0904255	1	952	25	0.0249554	0
0.118588	1	1008	22	0.0224484	0
0.0836843	1	775	22	0.0348864	0
0.0697101	1	594	16	0.047448	0
0.0729412	1	620	17	0.0395561	0
0.0810588	1	689	19	0.0232958	0
0.0692941	1	589	15	0.0253968	0
0.0830588	1	706	18	0.033677	0
0.125014	1	1098	25	0.0234724	0
0.0760563	1	648	15	0.0463975	0
0.108685	1	926	26	0.0362635	0
0.0684619	1	600	17	0.0419749	0
0.0855294	1	727	17	0.0209565	0
0.092	1	782	19	0.0244787	0
0.07871	1	698	20	0.0489486	0
0.105576	1	924	20	0.0356191	0
0.0350939	1	596	11	0.0195088	0
0.0346229	1	588	17	0.049081	0
0.110996	1	965	26	0.0354072	0
0.0694118	1	590	17	0.0295634	0
0.0699342	1	595	11	0.0467859	0
0.07	1	595	11	0.0467859	0
0.0707789	1	607	17	0.0467241	0
0.0757309	1	645	18	0.0326883	0
0.0735294	1	625	17	0.0455059	0
0.0258699	1	739	16	0.0222983	0
0.130067	1	1107	24	0.0309581	0
0.120516	1	1028	28	0.0338359	0
0.131647	1	1119	62	0.0254233	0
0.0352007	1	1383	39	0.0122526	0
0.110588	1	940	25	0.0229074	0
0.0830588	1	706	39	0.0353189	0
0.0778823	1	662	18	0.0332621	0
0.105059	1	893	25	0.0192528	0
0.0714702	1	613	14	0.0488251	0
0.0857512	1	730	20	0.0422839	0
0.0374414	1	607	17	0.0457972	0

0.0744706	1	633	15	0.0307551	0
0.0762353	1	648	17	0.047395	0
0.106941	1	909	24	0.0174255	0
0.092	1	782	22	0.0472449	0
0.0795388	1	683	19	0.0356279	0
0.0691765	1	588	17	0.0328825	0
0.0814172	1	694	16	0.0326707	0
0.0555814	1	478	13	0.0470242	0
0.124883	1	1066	29	0.0151922	0
0.0717973	1	612	12	0.042328	0
0.0736471	1	626	17	0.0447909	0
0.0769412	1	654	18	0.0480659	0
0.0523445	1	595	17	0.0472891	0
0.0738067	1	920	26	0.025388	0
0.0766145	1	955	25	0.0173196	0
0.0587059	1	499	14	0.0488957	0
0.074	1	629	18	0.0489663	0
0.0910588	1	774	15	0.0113434	0
0.0771765	1	656	19	0.049443	0
0.0696471	1	592	17	0.0499815	0
0.0532086	1	597	11	0.0437669	0
0.0765324	1	663	19	0.0384792	0
0.0817647	1	695	19	0.0403065	0
0.11557	1	985	28	0.0174608	0
0.0698621	1	755	16	0.0225102	0
0.074	1	629	13	0.0469271	0
0.055881	1	477	14	0.0498844	0
0.0713312	1	1151	30	0.0323882	0
0.0393627	1	336	10	0.0487015	0
0.0723529	1	615	12	0.0355308	0
0.088115	1	754	21	0.0326177	0
0.0869412	1	739	21	0.017814	0
0.0466589	1	398	11	0.0374199	0
0.0704374	1	599	17	0.0415247	0
0.0752941	1	640	12	0.0402623	0
0.0730588	1	621	18	0.0404654	0
0.0991765	1	843	19	0.0347275	0
0.0746461	1	638	18	0.0298459	0
0.0702353	1	597	17	0.0491958	0
0.0691765	1	588	11	0.0391766	0
0.0695873	1	602	17	0.04796	0
0.0768235	1	653	16	0.0371197	0
0.117661	1	1002	21	0.0326177	0
0.117882	1	1002	21	0.0326177	0
0.0636321	1	541	15	0.0374287	0
0.0491765	1	418	12	0.0475539	0
0.0855294	1	727	20	0.0316732	0

0.0805882	1	685	18	0.0283187	0
0.0818246	1	696	20	0.0368108	0
0.0298485	1	597	17	0.0499903	0
0.0954118	1	811	19	0.0294133	0
0.11531	1	1004	28	0.0383026	0
0.0916031	1	864	24	0.0250878	0
0.126471	1	1075	19	0.0310641	0
0.0615288	1	586	11	0.0314348	0
0.0722835	1	616	10	0.0492664	0
0.0784682	1	668	19	0.0246729	0
0.0783854	1	668	19	0.0246729	0
0.126462	1	1081	25	0.0210448	0
0.0693058	1	590	17	0.0425663	0
0.0704706	1	599	17	0.0497078	0
0.100536	1	1201	29	0.00851857	0
0.0746693	1	892	19	0.0365901	0
0.0712453	1	611	13	0.0444113	0
0.117647	1	1000	23	0.0303137	0
0.0755175	1	653	18	0.0338447	0
0.0757488	1	655	16	0.0391324	0
0.0136471	0.191736	605	17	0.0443495	0
0.052402	1	805	19	0.0149362	0
0.0697647	1	593	14	0.0482601	0
0.112494	1	958	20	0.018732	0
0.0762642	1	650	15	0.0493282	0
0.0736756	1	815	18	0.0306845	0
0.0924517	1	790	22	0.0358574	0
0.119882	1	1019	27	0.00914532	0
0.131412	1	1117	27	0.0332268	0
0.0717047	1	612	17	0.0310906	0
0.0955069	1	812	23	0.0450557	0
0.0478727	1	629	18	0.0340301	0
0.0656823	1	863	24	0.0496195	0
0.086	1	731	18	0.0119525	0
0.104118	1	885	22	0.0245405	0
0.140118	1	1191	30	0.0219629	0
0.0776471	1	660	18	0.0285482	0
0.115126	1	1010	26	0.0235518	0
0.0758824	1	645	16	0.0349835	0
0.0911321	1	780	22	0.0353984	0
0.0917647	1	780	22	0.0353984	0
0.140671	1	1204	33	0.0202415	0
0.0751085	1	675	19	0.0362811	0
0.0376295	1	614	17	0.0466447	0
0.0925882	1	787	22	0.039768	0
0.11451	1	977	27	0.0222277	0
0.0852086	1	727	20	0.0250437	0

0.0729412	1	620	11	0.0496813	0
0.0729412	1	620	18	0.0297488	0
0.0703704	1	608	16	0.0317703	0
0.0797454	1	689	19	0.0275331	0
0.0943529	1	802	20	0.0210801	0
0.0576471	1	490	10	0.0488074	0
0.144461	1	1377	29	0.014486	0
0.0882082	1	766	18	0.0345421	0
0.0708199	1	615	16	0.0487015	0
0.0641302	1	595	17	0.0391854	0
0.0941825	1	803	21	0.0348864	0
0.029835	1	481	14	0.0329443	0
0.0876471	1	745	21	0.0368373	0
0.0820615	1	699	15	0.0297488	0
0.0959738	1	820	23	0.034648	0
0.0990588	1	842	24	0.0341184	0
0.0885922	1	876	23	0.0476775	0
0.0414439	1	597	17	0.0471743	0
0.160509	1	1664	43	0.0283187	0.454545
0.0711765	1	605	12	0.047598	0
0.0755294	1	642	18	0.0417895	0
0.127392	1	1085	25	0.0314348	0
0.124809	1	1063	28	0.0111492	0
0.0447059	1	380	11	0.0484102	0
0.0872941	1	742	21	0.0399181	0
0.0811765	1	690	18	0.0483042	0
0.0962136	1	836	17	0.0161985	0
0.0670963	0.991497	588	16	0.0405184	0
0.0943529	1	802	23	0.0498137	0
0.0910245	1	789	21	0.0498755	0
0.132235	1	1124	30	0.0184054	0
0.104	1	884	21	0.0354337	0
0.0316667	1	456	13	0.0141417	0
0.0644943	1	667	14	0.0491782	0
0.0559684	1	708	16	0.0322381	0
0.0713998	1	708	16	0.0322381	0
0.0525156	1	667	19	0.0337918	0
0.0770297	1	667	19	0.0337918	0
0.0817189	1	696	18	0.0325736	0
0.0374831	1	610	17	0.0460885	0
0.0625882	1	532	15	0.0477658	0
0.0922546	1	1016	25	0.0220953	0
0.0777439	1	663	19	0.0449674	0
0.111697	1	954	22	0.0226338	0
0.07798	1	664	18	0.0317703	0
0.124839	1	1063	30	0.0114581	0
0.0677829	1	587	16	0.0392737	0



0.0670627	1	587	16	0.0392737	0
0.103647	1	881	23	0.0223425	0
0.0689412	1	586	16	0.0481365	0
0.0622353	1	529	13	0.0209919	0
0.125412	1	1066	30	0.0146625	0
0.0572941	1	487	14	0.0491605	0
0.050596	1	590	15	0.0475539	0
0.0384913	1	596	17	0.0353278	0
0.0712271	1	606	17	0.0423633	0
0.0831765	1	707	20	0.0495666	0
0.136588	1	1161	33	0.0366784	0
0.0342958	1	620	14	0.0481983	0
0.0292263	1	380	11	0.0366166	0
0.0698792	1	596	17	0.0460532	0
0.0584706	1	497	11	0.0405095	0
0.0787531	1	672	19	0.042019	0
0.0703529	1	598	16	0.0446143	0
0.0955796	1	813	19	0.0228368	0
0.0958824	1	815	23	0.0286983	0
0.0820956	1	807	23	0.0287777	0
0.0534079	1	525	15	0.0493547	0
0.0715034	1	614	15	0.0451175	0
0.0710039	1	621	18	0.0340301	0
0.0725882	1	617	17	0.0480306	0
0.0708152	1	602	12	0.0411539	0
0.138118	1	1174	30	0.0128176	0
0.0650582	1	604	17	0.0463534	0
0.0576636	1	617	17	0.0484013	0
0.0826311	1	706	18	0.0316114	0
0.0812266	1	694	16	0.0343303	0
0.0780665	1	667	19	0.0430607	0
0.077951	1	665	19	0.0344362	0
0.0711765	1	605	13	0.0458237	0
0.0741176	1	630	18	0.0398122	0
0.0772025	1	680	18	0.0359987	0
0.0794118	1	675	19	0.0328561	0
0.0558354	1	931	26	0.0231458	0
0.125279	1	1065	25	0.0188556	0
0.0720846	1	620	17	0.0496372	0
0.0861176	1	732	18	0.0234283	0
0.102353	1	870	18	0.0344274	0
0.111714	1	967	25	0.0134002	0
0.108711	1	941	27	0.0347716	0
0.0403292	1	343	10	0.0452499	0
0.100118	1	851	22	0.0242227	0
0.0654683	1	641	18	0.037058	0
0.103755	1	887	25	0.0297311	0

0.0704706	1	599	12	0.0466447	0
0.103247	1	884	24	0.0343303	0
0.0702353	1	597	17	0.020524	0
0.0688079	1	587	17	0.0438552	0
0.0661118	1	564	16	0.0359633	0
0.0692334	1	615	17	0.0422309	0
0.0715199	1	615	16	0.043043	0
0.0736007	1	668	19	0.0469801	0
0.0414563	1	706	16	0.0297046	0
0.086	1	731	21	0.0323264	0
0.0951765	1	809	23	0.0340125	0
0.0753751	1	648	18	0.037261	0
0.0634079	1	777	21	0.0331209	0
0.0489636	1	600	14	0.0414452	0
0.0725589	1	619	15	0.0460002	0
0.0718347	1	619	15	0.0460002	0
0.0737311	1	629	13	0.0289631	0
0.0952941	1	810	20	0.0114405	0
0.110824	1	942	26	0.0210536	0
0.0695294	1	591	11	0.0328031	0
0.0893157	1	1009	28	0.0210978	0
0.0791443	1	677	17	0.0141593	0
0.0799812	1	680	19	0.0483131	0
0.109504	1	931	22	0.0353807	0
0.0910588	1	774	21	0.0339154	0
0.0892941	1	759	20	0.0352483	0
0.0839137	1	747	21	0.0315319	0
0.0831765	1	707	20	0.0393443	0
0.0216946	1	593	17	0.0424516	0
0.0791847	1	676	18	0.0439346	0
0.0725608	1	618	18	0.0482336	0
0.0472815	1	567	16	0.0353807	0
0.0774118	1	658	18	0.0452499	0
0.0263927	1	352	10	0.0468653	0
0.0434116	1	708	20	0.0450204	0
0.0355268	1	609	17	0.0489486	0
0.0694337	1	721	21	0.0453823	0
0.0447343	1	878	25	0.0186614	0
0.0825882	1	702	20	0.0320969	0
0.111059	1	944	22	0.03644	0
0.0743529	1	632	16	0.048216	0
0.0605882	1	515	15	0.0345421	0
0.0570647	1	855	24	0.0335799	0
0.0622706	1	933	27	0.0359633	0
0.0170405	1	332	10	0.0460002	0
0.0748681	1	880	25	0.0238608	0
0.103517	1	880	25	0.0238608	0

0.0770313	1	657	18	0.0442436	0
0.0802353	1	682	19	0.0295369	0
0.178941	1	1521	43	0.029122	0
0.0714118	1	607	17	0.0474744	0
0.0723359	1	615	10	0.0458325	0
0.0700375	1	597	16	0.0435992	0
0.037206	0.498433	638	18	0.0357074	0
0.0976471	1	830	21	0.0347363	0
0.070635	1	604	14	0.0398828	0
0.0710588	1	604	14	0.0398828	0
0.0815731	1	838	24	0.0147684	0
0.0980239	1	1007	28	0.0239667	0
0.0692941	1	589	10	0.0416395	0
0.0725882	1	617	18	0.039565	0
0.0289283	1	630	18	0.0310729	0
0.0284691	1	620	14	0.0489133	0
0.102806	1	883	25	0.0330414	0
0.0743975	1	639	18	0.0474215	0
0.0880488	1	750	21	0.0491252	0
0.075715	1	646	18	0.0489486	0
0.0775294	1	659	18	0.0445614	0
0.0844047	1	755	19	0.0329796	0
0.105882	1	900	25	0.0355926	0
0.110353	1	938	22	0.0452764	0
0.122824	1	1044	28	0.02477	0
0.0929193	1	790	18	0.0337741	0
0.0816471	1	694	13	0.0435727	0
0.0430562	1	723	19	0.0475009	0
0.128588	1	1093	26	0.0482778	0
0.0807059	1	686	16	0.0254321	0
0.0738838	1	791	20	0.02462	0
0.0926772	1	791	20	0.02462	0
0.0542351	1	769	17	0.0260677	0
0.107971	1	936	20	0.0303226	0
0.0756126	1	648	19	0.0368373	0
0.0810588	1	689	20	0.0435197	0
0.0575294	1	489	14	0.0492135	0
0.0907059	1	771	22	0.0431666	0
0.110588	1	940	25	0.0241168	0
0.126118	1	1072	30	0.0141152	0
0.0690588	1	587	17	0.0493459	0
0.0430976	1	704	20	0.0437934	0
0.0729412	1	620	18	0.0482866	0
0.0778823	1	662	18	0.0430077	0
0.0731765	1	622	16	0.0350983	0
0.0252939	1	596	17	0.0469271	0
0.0720985	1	615	14	0.0463798	0

0.0632979	1	590	10	0.0498402	0
0.0694967	1	591	15	0.0498932	0
0.0905882	1	770	20	0.0254056	0
0.0479938	1	561	14	0.0496284	0
0.124471	1	1058	29	0.0144948	0
0.0711765	1	605	17	0.0240197	0
0.0904706	1	769	22	0.0251496	0
0.0824706	1	701	19	0.025591	0
0.0698166	1	594	15	0.0491517	0
0.114245	1	972	27	0.0172313	0
0.083644	1	718	16	0.0261118	0
0.0689655	1	592	17	0.0455059	0
0.0689655	1	592	17	0.0460885	0
0.116135	1	994	25	0.00971911	0
0.0804706	1	684	17	0.0274889	0
0.0754118	1	641	17	0.0427782	0
0.0810588	1	689	18	0.0210536	0
0.0790834	1	673	19	0.0353984	0
0.109294	1	929	26	0.0278155	0
0.102824	1	874	15	0.0456913	0
0.0504555	1	731	15	0.0443671	0
0.0705882	1	600	13	0.0466358	0
0.0705633	1	600	13	0.0466358	0
0.0735037	1	716	18	0.0252114	0
0.122235	1	1039	29	0.0174255	0
0.112471	1	956	25	0.0263502	0
0.0801177	1	681	19	0.0408626	0
0.0718824	1	611	12	0.0455853	0
0.0729412	1	620	17	0.0470507	0
0.0702353	1	597	17	0.0278597	0
0.1	1	850	20	0.0436963	0
0.0711765	1	605	14	0.0313642	0
0.0822159	1	699	11	0.00890698	0
0.103266	1	879	24	0.0328914	0
0.119882	1	1019	26	0.0337212	0
0.161294	1	1371	36	0.0489928	0
0.0811765	1	690	20	0.0473067	0
0.0595199	1	915	25	0.0351336	0
0.0714034	1	607	12	0.0420985	0
0.0407436	1	572	13	0.0246553	0
0.0685882	1	583	16	0.049902	0
0.0872941	1	742	21	0.0358486	0
0.0694118	1	590	17	0.0347275	0
0.0776471	1	660	15	0.0495666	0
0.0877647	1	746	21	0.0241433	0
0.0685908	0.986555	595	17	0.0460179	0
0.0472178	1	779	21	0.0330061	0

0.0682266	1	589	17	0.0452499	0
0.0590913	1	610	16	0.0413834	0
0.0603079	0.459031	1135	26	0.013206	0
0.084	1	714	20	0.0212479	0
0.0708235	1	602	17	0.0307551	0
0.0473656	1	792	19	0.0466447	0
0.0712294	1	613	14	0.0384439	0
0.135529	1	1152	23	0.0317791	0
0.0582353	1	495	14	0.0438993	0
0.0962353	1	818	23	0.0346216	0
0.0777647	1	661	16	0.0212655	0
0.076	1	646	18	0.0471655	0
0.0601592	1	514	15	0.039256	0
0.102941	1	875	24	0.0338977	0
0.0737647	1	627	11	0.0350188	0
0.0977647	1	831	24	0.0353366	0
0.0903481	1	776	22	0.0339418	0
0.101221	1	862	22	0.0249643	0
0.074	1	629	18	0.0479776	0
0.0761087	1	647	18	0.0494518	0
0.102353	1	870	24	0.0350276	0
0.0791765	1	673	19	0.0332621	0
0.0814103	1	695	19	0.0494077	0
0.0752764	1	640	18	0.0391148	0
0.111765	1	950	27	0.029175	0
0.076	1	646	16	0.0490016	0
0.0697401	1	593	11	0.0465652	0
0.0777244	1	664	15	0.0362723	0
0.0720668	1	621	16	0.0429901	0
0.10153	1	876	25	0.034957	0
0.0669912	1	578	14	0.0448174	0
0.058515	1	714	20	0.0362547	0
0.0601541	1	734	20	0.0311965	0
0.0848235	1	721	20	0.0348864	0
0.0750588	1	638	14	0.0422574	0
0.0690588	1	587	13	0.0367843	0
0.0691765	1	588	16	0.0250437	0
0.0689937	1	591	16	0.0493282	0
0.0699613	1	596	15	0.0492399	0
0.0880385	1	750	20	0.0221041	0
0.0926636	1	797	19	0.0466358	0
0.0656997	1	616	15	0.032706	0
0.0890588	1	757	19	0.0335005	0
0.0735294	1	625	11	0.0405184	0
0.111839	1	956	26	0.0247789	0
0.0767062	1	653	19	0.0469448	0
0.0856711	1	736	16	0.024876	0

0.052	1	442	13	0.0363871	0
0.0675367	1	1211	33	0.0111933	0
0.0656958	1	609	14	0.027895	0
0.0691471	1	591	17	0.0492223	0
0.0429293	1	612	17	0.0449674	0
0.109882	1	934	24	0.0280627	0
0.0827059	1	703	19	0.0481542	0
0.0794169	1	681	19	0.0294486	0
0.0680546	1	608	17	0.04284	0
0.0668235	1	568	16	0.0128794	0
0.030135	1	587	17	0.0483925	0
0.0478464	1	932	26	0.047598	0
0.0804611	1	705	20	0.0250349	0
0.0823529	1	700	20	0.0338977	0
0.04527	1	669	19	0.03772	0
0.0386429	1	631	18	0.0401211	0
0.074022	1	632	14	0.0218128	0
0.0687507	1	585	16	0.0472184	0
0.0609092	1	615	17	0.0496372	0
0.0702353	1	597	17	0.0456736	0
0.0709412	1	603	17	0.0461944	0
0.0485882	1	413	10	0.0272594	0
0.0890068	1	872	24	0.0140446	0
0.102588	1	872	24	0.0140446	0
0.0990063	1	1076	29	0.0210801	0
0.119066	1	1056	30	0.0235607	0
0.0702447	1	623	15	0.0488869	0
0.104771	0.997773	898	16	0.0298724	0
0.0975663	1	898	16	0.0298724	0
0.0727315	1	622	15	0.0193676	0
0.0675793	1	622	15	0.0193676	0
0.0724977	1	620	13	0.0485602	0
0.067362	1	620	13	0.0485602	0
0.112588	1	957	22	0.0444907	0
0.0628235	1	534	15	0.0434844	0
0.0962353	1	818	19	0.0188997	0
0.0728235	1	619	18	0.0479158	0
0.0911765	1	775	16	0.0484808	0
0.0847059	1	720	22	0.0172313	0
0.0673227	1	602	17	0.0462298	0
0.0534556	1	478	14	0.0416836	0
0.0567762	1	646	14	0.0202857	0
0.0567112	1	488	13	0.0461944	0
0.0765882	1	651	17	0.0404566	0
0.0870588	1	740	21	0.0320439	0
0.0951765	1	809	23	0.0227309	0
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0.0758824	1	645	17	0.033677	0
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0.0750588	1	638	18	0.0499197	0
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0.0808765	1	919	23	0.0338977	0
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0.0604886	1	515	15	0.0210183	0
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0.0914499	1	784	18	0.0335623	0
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0.107571	1	1131	29	0.0143094	0
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0.0742353	1	631	18	0.0299341	0
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## Gene list WT H3K14ac High Fat Diet

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1	11393326	11401825	NM_17717	chr1	11399622	11400387	0.090118	1
1	12697743	12706258	NM_17229	chr1	12699338	12699935	0.070221	1
1	14287285	14301413	NM_01016	chr1	14300074	14300666	0.04197	1
1	15875437	15883936	NM_00103	chr1	15883043	15883610	0.066824	1
1	16639580	16654876	NM_02645	chr1	16643959	16644745	0.051448	1
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1	17080513	17089103	NM_02060	chr1	17084094	17084832	0.08602	1
1	24125975	24134496	NM_00774	chr1	24132174	24133247	0.126027	1
1	24626905	24635497	BC025579	chr1	24627052	24627657	0.070523	1
1	24636204	24644703	AY061989	chr1	24638429	24639027	0.070471	1
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1	36311228	36319727	NM_17265	chr1	36319571	36320022	0.018471	0.347345
1	36410166	36419030	NM_03357	chr1	36412230	36412833	0.068133	1
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2	6044907	6056844	NM_14488	chr2	6056247	6057116	0.050092	0.687356
2	10282363	10292934	NM_17738	chr2	10283573	10284310	0.069807	1
2	11162398	11170897	AB062122	chr2	11162420	11163085	0.078353	1
2	14141168	14149667	NM_00862	chr2	14146171	14147057	0.104353	1
2	17912201	17920712	NM_02662	chr2	17913666	17914396	0.085879	1
2	19469165	19477668	NM_02760	chr2	19476222	19476897	0.079492	1
2	21052674	21061173	NM_00100	chr2	21053083	21053748	0.078353	1
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2	23868881	23877388	NM_08046	chr2	23871744	23872502	0.08921	1
2	24092963	24101907	NM_01945	chr2	24100681	24101311	0.070542	1
2	24201406	24209905	NM_17761	chr2	24207842	24208477	0.074824	1
2	25469127	25482463	NM_00104	chr2	25480323	25480926	0.045288	1
2	25581557	25590056	NM_01069	chr2	25587672	25588496	0.097059	1
2	25639162	25647661	NM_02995	chr2	25643681	25644382	0.082588	1
2	25693870	25702369	NM_17546	chr2	25697568	25698515	0.111529	1
2	25942291	25950820	NM_02649	chr2	25943252	25944065	0.095428	1
2	26750078	26758577	NM_19862	chr2	26757271	26757667	0.046706	1
2	26752881	26761937	NM_01151	chr2	26757271	26757667	0.043834	1
2	28281960	28292583	NM_08045	chr2	28291154	28292118	0.090832	1
2	28285834	28294341	NM_02704	chr2	28291154	28292118	0.113423	1
2	28313755	28338017	NM_00905	chr2	28319666	28320726	0.043729	1
2	28519161	28527660	NM_02728	chr2	28525072	28525484	0.048588	1
2	30178741	30187314	NM_13930	chr2	30185800	30187347	0.176697	0.978682
2	30180281	30188843	NM_17539	chr2	30185800	30187347	0.180778	1
2	32513628	32522161	NM_01023	chr2	32519295	32519979	0.080267	1
2	33044204	33052703	AF125176	chr2	33051949	33052671	0.085059	1
2	33190939	33199487	NM_17521	chr2	33196571	33197209	0.074746	1
2	34920170	34928682	NM_17888	chr2	34920432	34921313	0.103606	1
2	37035500	37043999	NM_00100	chr2	37036524	37037216	0.081529	1
2	38530297	38542513	NM_13905	chr2	38536923	38537760	0.068593	1
2	42472477	42481607	NM_05301	chr2	42479376	42480110	0.080495	1
2	52921499	52929998	AF513716	chr2	52925317	52925905	0.069294	1
2	58329046	58337545	NM_00739	chr2	58329831	58330605	0.091177	1
2	58350712	58359211	AF332088	chr2	58352460	58353530	0.126	1
2	60679810	60688309	BC057866	chr2	60686968	60687694	0.085529	1
2	60761532	60774952	NM_02029	chr2	60766016	60767147	0.084345	1
2	61387966	61396497	BC026148	chr2	61388697	61389567	0.102086	1
2	61841402	61849932	NM_03355	chr2	61845762	61846711	0.111359	1
2	62444493	62452999	NM_02783	chr2	62449304	62449908	0.071118	1
2	68930662	68939185	NM_18154	chr2	68936679	68937671	0.116495	1
2	70912891	70921450	AF354666	chr2	70915409	70916060	0.076168	1
2	71006815	71015354	NM_01006	chr2	71007238	71008077	0.098361	1
2	73573438	73581937	BC054770	chr2	73573447	73574106	0.077647	1
2	74557819	74566419	NM_01046	chr2	74561145	74562246	0.128125	1

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2	84995039	85003538	NM_00103	chr2	85001847	85002442	0.070118	1
2	85745904	85754403	NM_00101	chr2	85749260	85749917	0.077412	1
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2	86489313	86497812	NM_14684	chr2	86495871	86496896	0.120706	1
2	86777134	86785633	NM_14659	chr2	86779145	86780005	0.101294	1
2	88695935	88704434	NM_14677	chr2	88697305	88697935	0.074235	1
2	88772229	88780728	NM_14689	chr2	88773811	88774492	0.080235	1
2	89374064	89382563	NM_14678	chr2	89380619	89381241	0.073294	1
2	89408487	89425029	NM_14696	chr2	89422405	89422965	0.033912	1
2	89850662	89859161	NM_02051	chr2	89852380	89853058	0.079882	1
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2	1.02E+08	1.02E+08	NM_02026	chr2	1.02E+08	1.02E+08	0.064942	1
2	1.03E+08	1.03E+08	NM_00791	chr2	1.03E+08	1.03E+08	0.069454	1
2	1.05E+08	1.05E+08	NM_00903	chr2	1.05E+08	1.05E+08	0.08345	1
2	1.07E+08	1.07E+08	NM_02127	chr2	1.07E+08	1.07E+08	0.074623	1
2	1.09E+08	1.09E+08	NM_00754	chr2	1.09E+08	1.09E+08	0.076097	1
2	1.1E+08	1.1E+08	BC034862	chr2	1.1E+08	1.1E+08	0.071647	1
2	1.12E+08	1.12E+08	NM_14640	chr2	1.12E+08	1.12E+08	0.092706	1
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2	1.12E+08	1.12E+08	NM_14645	chr2	1.12E+08	1.12E+08	0.086235	1
2	1.12E+08	1.12E+08	NM_14674	chr2	1.12E+08	1.12E+08	0.126824	1
2	1.13E+08	1.13E+08	NM_01023	chr2	1.13E+08	1.13E+08	0.115294	1
2	1.14E+08	1.14E+08	NM_01182	chr2	1.14E+08	1.14E+08	0.035396	1
2	1.19E+08	1.19E+08	NM_02811	chr2	1.19E+08	1.19E+08	0.093268	1
2	1.19E+08	1.19E+08	NM_00103	chr2	1.19E+08	1.19E+08	0.033966	0.688415
2	1.21E+08	1.21E+08	NM_01135	chr2	1.21E+08	1.21E+08	0.036474	1
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2	1.22E+08	1.22E+08	NM_02625	chr2	1.22E+08	1.22E+08	0.070588	1
2	1.25E+08	1.25E+08	NM_17503	chr2	1.25E+08	1.25E+08	0.069906	1
2	1.26E+08	1.26E+08	NM_00800	chr2	1.26E+08	1.26E+08	0.081412	1
2	1.27E+08	1.27E+08	NM_02996	chr2	1.27E+08	1.27E+08	0.070295	1
2	1.27E+08	1.27E+08	NM_02814	chr2	1.27E+08	1.27E+08	0.070353	1
2	1.29E+08	1.29E+08	NM_17784	chr2	1.29E+08	1.29E+08	0.051313	1
2	1.29E+08	1.29E+08	NM_17765	chr2	1.29E+08	1.29E+08	0.093059	1
2	1.29E+08	1.29E+08	NM_01886	chr2	1.29E+08	1.29E+08	0.110118	1
2	1.3E+08	1.3E+08	NM_17772	chr2	1.3E+08	1.3E+08	0.11876	1

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2	1.34E+08	1.34E+08	NM_01040 chr2	1.34E+08	1.34E+08	0.097294	1
2	1.36E+08	1.36E+08	NM_02953 chr2	1.36E+08	1.36E+08	0.058413	1
2	1.38E+08	1.38E+08	NM_14553 chr2	1.38E+08	1.38E+08	0.072581	1
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2	1.4E+08	1.4E+08	BC005776 chr2	1.4E+08	1.4E+08	0.060706	1
2	1.43E+08	1.43E+08	NM_02059 chr2	1.43E+08	1.43E+08	0.06901	1
2	1.49E+08	1.49E+08	NM_02702 chr2	1.49E+08	1.49E+08	0.088166	1
2	1.5E+08	1.5E+08	NM_18126 chr2	1.5E+08	1.5E+08	0.071169	1
2	1.5E+08	1.5E+08	NM_17211 chr2	1.5E+08	1.5E+08	0.083421	1
2	1.51E+08	1.51E+08	BC027537 chr2	1.51E+08	1.51E+08	0.084429	1
2	1.52E+08	1.52E+08	NM_00100 chr2	1.52E+08	1.52E+08	0.104471	1
2	1.52E+08	1.52E+08	NM_14515 chr2	1.52E+08	1.52E+08	0.063065	1
2	1.52E+08	1.52E+08	NM_00103 chr2	1.52E+08	1.52E+08	0.073407	1
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2	1.54E+08	1.54E+08	NM_17516 chr2	1.54E+08	1.54E+08	0.06827	1
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2	1.54E+08	1.54E+08	NM_00102 chr2	1.54E+08	1.54E+08	0.137529	1
2	1.58E+08	1.58E+08	NM_17765 chr2	1.58E+08	1.58E+08	0.062118	1
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2	1.72E+08	1.72E+08	NM_00856 chr2	1.72E+08	1.72E+08	0.10462	1
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2	1.8E+08	1.8E+08	NM_17875 chr2	1.8E+08	1.8E+08	0.104277	1
2	1.8E+08	1.8E+08	NM_17303 chr2	1.8E+08	1.8E+08	0.073034	1
2	1.8E+08	1.8E+08	NM_01876 chr2	1.8E+08	1.8E+08	0.098353	1
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3	32894275	32902806	NM_01967	chr3	32896177	32896700	0.061416	1
3	33985744	33994266	NM_02597	chr3	33990267	33990907	0.075208	1
3	36251549	36260127	NM_17267	chr3	36257821	36258816	0.116097	1
3	37504615	37513856	NM_00100	chr3	37511801	37512526	0.078554	1
3	37605847	37614346	NM_02134	chr3	37607566	37608163	0.070353	1
3	37900259	37908777	NM_02417	chr3	37904134	37904782	0.076183	1
3	37913410	37922039	NM_19865	chr3	37918583	37919234	0.07555	1
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3	41671744	41680243	NM_17230	chr3	41676991	41678031	0.122471	1
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3	50537276	50545808	NM_01199	chr3	50543330	50544141	0.09516	1
3	51306376	51315383	NM_00983	chr3	51307131	51307746	0.068384	1
3	55140348	55148984	NM_00762	chr3	55141299	55142130	0.09633	1
3	55194069	55202568	NM_14489	chr3	55201197	55201809	0.072118	1
3	55864441	55872989	NM_01075	chr3	55867118	55867755	0.074629	1
3	57380303	57395848	NM_00853	chr3	57387408	57388388	0.063103	1
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3	59216001	59225257	NM_13320	chr3	59219607	59220195	0.063628	1
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3	68772573	68781955	NM_00835	chr3	68774791	68775375	0.062347	1
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3	85032138	85040715	NM_08042	chr3	85034298	85034893	0.06948	1
3	86085919	86094418	NM_00100	chr3	86090191	86091184	0.116941	1
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3	88452978	88461639	NM_03136	chr3	88454268	88455062	0.09178	1
3	88462127	88476391	NM_00754	chr3	88463275	88464061	0.05517	1
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3	88659598	88668113	NM_02544	chr3	88666504	88667379	0.102865	1
3	89033710	89042209	NM_02299	chr3	89033585	89034114	0.047647	0.764151



3	90082073	90090624	NM_01182	chr3	90083103	90083703	0.070276	1
3	90473355	90481865	NM_01198	chr3	90478690	90479330	0.075314	1
3	90680142	90702168	NM_01131	chr3	90681082	90681851	0.034957	1
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3	92567617	92577284	NM_00926	chr3	92569929	92570843	0.094642	1
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3	94452190	94465408	NM_01128	chr3	94459725	94460723	0.075573	1
3	94478623	94487212	NM_17725	chr3	94483164	94483804	0.074622	1
3	96299321	96309045	NM_17821	chr3	96303062	96303675	0.063136	1
3	96725005	96733504	BC115770	chr3	96731674	96732547	0.102824	1
3	96909531	96918030	NM_02151	chr3	96917108	96917836	0.085765	1
3	97111821	97120320	NM_00812	chr3	97118917	97119535	0.072824	1
3	97238188	97246941	NM_01980	chr3	97244954	97245561	0.069454	1
3	98092943	98101442	NM_01092	chr3	98094627	98095314	0.080941	1
3	1.01E+08	1.01E+08	NM_17859	chr3	1.01E+08	1.01E+08	0.071043	1
3	1.02E+08	1.02E+08	NM_14490	chr3	1.02E+08	1.02E+08	0.079711	1
3	1.02E+08	1.02E+08	NM_17877	chr3	1.02E+08	1.02E+08	0.125246	1
3	1.03E+08	1.03E+08	BC011123	chr3	1.03E+08	1.03E+08	0.090588	1
3	1.03E+08	1.03E+08	NM_19865	chr3	1.03E+08	1.03E+08	0.116118	1
3	1.06E+08	1.06E+08	NM_00103	chr3	1.06E+08	1.06E+08	0.099177	1
3	1.07E+08	1.07E+08	NM_17841	chr3	1.07E+08	1.07E+08	0.087059	1
3	1.07E+08	1.07E+08	NM_02601	chr3	1.07E+08	1.07E+08	0.070334	1
3	1.07E+08	1.07E+08	NM_00104	chr3	1.07E+08	1.07E+08	0.151125	1
3	1.08E+08	1.08E+08	NM_13386	chr3	1.08E+08	1.08E+08	0.073957	1
3	1.08E+08	1.08E+08	NM_01997	chr3	1.08E+08	1.08E+08	0.130118	1
3	1.08E+08	1.08E+08	NM_02683	chr3	1.08E+08	1.08E+08	0.110315	1
3	1.09E+08	1.09E+08	NM_17709	chr3	1.09E+08	1.09E+08	0.085681	1
3	1.1E+08	1.1E+08	NM_03069	chr3	1.1E+08	1.1E+08	0.11555	1
3	1.18E+08	1.18E+08	NM_02942	chr3	1.18E+08	1.18E+08	0.072814	1
3	1.23E+08	1.23E+08	NM_15342	chr3	1.23E+08	1.23E+08	0.071219	1
3	1.23E+08	1.23E+08	NM_02150	chr3	1.23E+08	1.23E+08	0.095871	1
3	1.3E+08	1.3E+08	NM_02319	chr3	1.3E+08	1.3E+08	0.070139	1
3	1.3E+08	1.3E+08	NM_19871	chr3	1.3E+08	1.3E+08	0.100351	1
3	1.37E+08	1.37E+08	NM_17766	chr3	1.37E+08	1.37E+08	0.107882	1
3	1.38E+08	1.38E+08	NM_17786	chr3	1.38E+08	1.38E+08	0.096118	1
3	1.42E+08	1.43E+08	NM_01873	chr3	1.42E+08	1.42E+08	0.064822	1
3	1.46E+08	1.46E+08	BC029847	chr3	1.46E+08	1.46E+08	0.131176	1
3	1.47E+08	1.47E+08	NM_02914	chr3	1.47E+08	1.47E+08	0.071487	1
3	1.52E+08	1.52E+08	NM_05717	chr3	1.52E+08	1.52E+08	0.052749	1

3	1.52E+08	1.52E+08	NM_02728	chr3	1.52E+08	1.52E+08	0.003882	0.073333
3	1.54E+08	1.54E+08	BC068154	chr3	1.54E+08	1.54E+08	0.078706	1
3	1.54E+08	1.54E+08	BC068154	chr3	1.54E+08	1.54E+08	0.114118	1
3	1.55E+08	1.55E+08	NM_17706	chr3	1.55E+08	1.55E+08	0.124471	1
3	1.6E+08	1.6E+08	NM_02658	chr3	1.6E+08	1.6E+08	0.087647	1
4	3898226	3906728	BC080838	chr4	3903549	3904036	0.057392	1
4	3944230	3952810	NM_18198	chr4	3944773	3945469	0.081226	1
4	3944230	3952810	NM_18198	chr4	3946749	3947691	0.109894	1
4	3944230	3952810	NM_18198	chr4	3950391	3951324	0.108845	1
4	8163663	8172188	NM_00759	chr4	8164173	8164821	0.07612	1
4	10932208	10940717	NM_17517	chr4	10938589	10939316	0.085546	1
4	13705929	13714428	NM_00982	chr4	13712445	13713037	0.069765	1
4	14546064	14554904	NM_14594	chr4	14546181	14546971	0.08947	1
4	15186967	15195477	NM_18140	chr4	15191173	15191801	0.073904	1
4	17774629	17783313	NM_01972	chr4	17776540	17777158	0.071272	1
4	21812536	21821108	NM_01674	chr4	21820146	21821014	0.101365	1
4	25058049	25066548	NM_03073	chr4	25062314	25062961	0.076235	1
4	32938126	32946625	NM_01199	chr4	32939940	32940745	0.094824	1
4	35334942	35343441	NM_19915	chr4	35338263	35338851	0.069294	1
4	41881585	41891712	NM_01667	chr4	41890370	41891540	0.11562	1
4	41979785	41988284	BC051472	chr4	41979837	41981381	0.181765	1
4	41979785	41988284	BC051472	chr4	41985807	41986549	0.087412	1
4	42775779	42784278	NM_01188	chr4	42776851	42777377	0.062	1
4	42775779	42784278	NM_01188	chr4	42781729	42782463	0.086471	1
4	42985046	42993559	NM_02608	chr4	42991810	42992611	0.094198	1
4	43502286	43510822	NM_01943	chr4	43504417	43505127	0.083285	1
4	43719408	43733666	NM_01948	chr4	43721882	43722608	0.050985	1
4	44186053	44195439	NM_00103	chr4	44192311	44193344	0.110152	1
4	44771668	44780255	NM_17702	chr4	44773116	44774087	0.113181	1
4	44939253	44949241	NM_13859	chr4	44945730	44946468	0.073981	1
4	45806022	45822717	NM_02827	chr4	45818538	45819181	0.038572	1
4	46076066	46084589	NM_02188	chr4	46080700	46081629	0.109104	1
4	48294902	48303470	NM_01056	chr4	48299524	48300107	0.068153	1
4	48298097	48306689	NM_02957	chr4	48299524	48300107	0.067962	1
4	52836588	52848998	NM_14685	chr4	52837917	52838911	0.080171	1
4	52985723	52994228	NM_14660	chr4	52991738	52992585	0.099694	1
4	53794805	53803334	NM_00931	chr4	53797267	53797940	0.079015	1
4	56890404	56898931	BC026590	chr4	56890846	56891565	0.084428	1
4	57038979	57047478	NM_17551	chr4	57043856	57044446	0.069529	1
4	58590923	58599422	U48235	chr4	58595260	58596393	0.133412	1
4	58590923	58599422	U48235	chr4	58597632	58598559	0.109176	1
4	60231412	60239951	NM_00864	chr4	60233560	60234311	0.088056	1
4	61914422	61927087	NM_15350	chr4	61926194	61926811	0.048792	1
4	63228949	63237474	NM_17737	chr4	63232001	63232639	0.074947	1
4	65669313	65677812	AF116573	chr4	65670643	65671233	0.069529	1
4	75602208	75611113	NM_00101	chr4	75604181	75604842	0.074332	1
4	75602208	75611113	NM_00101	chr4	75608413	75609016	0.067819	1

4	82520899	82529398	AB160986	chr4	82524177	82524884	0.083294	1
4	82520899	82529398	AB160986	chr4	82525210	82525975	0.090118	1
4	85808015	85816523	NM_17254	chr4	85809318	85810258	0.110589	1
4	94225313	94233817	NM_01369	chr4	94226412	94227019	0.071487	1
4	95065479	95074020	NM_02934	chr4	95069852	95070476	0.073168	1
4	95838163	95846662	NM_00100	chr4	95844282	95844947	0.078353	1
4	98516973	98525505	NM_01391	chr4	98518568	98519179	0.071722	1
4	1.01E+08	1.01E+08	BC064460	chr4	1.01E+08	1.01E+08	0.101412	1
4	1.02E+08	1.02E+08	NM_02610	chr4	1.02E+08	1.02E+08	0.066753	1
4	1.06E+08	1.06E+08	NM_14614	chr4	1.06E+08	1.06E+08	0.072864	1
4	1.08E+08	1.08E+08	NM_02672	chr4	1.08E+08	1.08E+08	0.037938	1
4	1.08E+08	1.08E+08	NM_17269	chr4	1.08E+08	1.08E+08	0.042297	1
4	1.08E+08	1.08E+08	NM_01101	chr4	1.08E+08	1.08E+08	0.068927	1
4	1.09E+08	1.09E+08	NM_13388	chr4	1.09E+08	1.09E+08	0.075765	1
4	1.11E+08	1.11E+08	BC051512	chr4	1.11E+08	1.11E+08	0.099647	1
4	1.15E+08	1.15E+08	AF499446	chr4	1.15E+08	1.15E+08	0.066079	1
4	1.17E+08	1.17E+08	AF178961	chr4	1.17E+08	1.17E+08	0.079882	1
4	1.17E+08	1.17E+08	NM_00813	chr4	1.17E+08	1.17E+08	0.067876	1
4	1.18E+08	1.18E+08	NM_00103	chr4	1.18E+08	1.18E+08	0.08241	1
4	1.18E+08	1.18E+08	NM_14630	chr4	1.18E+08	1.18E+08	0.07	1
4	1.18E+08	1.18E+08	NM_14630	chr4	1.18E+08	1.18E+08	0.077647	1
4	1.18E+08	1.18E+08	NM_20715	chr4	1.18E+08	1.18E+08	0.160941	1
4	1.18E+08	1.18E+08	NM_14633	chr4	1.18E+08	1.18E+08	0.066471	1
4	1.18E+08	1.18E+08	NM_20757	chr4	1.18E+08	1.18E+08	0.183176	1
4	1.19E+08	1.19E+08	NM_15310	chr4	1.19E+08	1.19E+08	0.070612	1
4	1.19E+08	1.19E+08	NM_17757	chr4	1.19E+08	1.19E+08	0.093529	1
4	1.19E+08	1.19E+08	NM_00100	chr4	1.19E+08	1.19E+08	0.045607	1
4	1.19E+08	1.19E+08	NM_17269	chr4	1.19E+08	1.19E+08	0.084706	1
4	1.2E+08	1.2E+08	AB029329	chr4	1.2E+08	1.2E+08	0.046964	1
4	1.22E+08	1.22E+08	BC099945	chr4	1.22E+08	1.22E+08	0.100353	1
4	1.23E+08	1.23E+08	NM_00755	chr4	1.23E+08	1.23E+08	0.077728	1
4	1.23E+08	1.23E+08	NM_18316	chr4	1.23E+08	1.23E+08	0.082425	1
4	1.24E+08	1.24E+08	NM_17767	chr4	1.24E+08	1.24E+08	0.077728	1
4	1.27E+08	1.27E+08	NM_01029	chr4	1.27E+08	1.27E+08	0.084108	1
4	1.28E+08	1.28E+08	NM_02703	chr4	1.28E+08	1.28E+08	0.104211	1
4	1.28E+08	1.28E+08	NM_17775	chr4	1.28E+08	1.28E+08	0.05183	0.780804
4	1.28E+08	1.28E+08	BC057571	chr4	1.28E+08	1.28E+08	0.131294	1
4	1.28E+08	1.28E+08	BC057571	chr4	1.28E+08	1.28E+08	0.109529	1
4	1.28E+08	1.28E+08	NM_01877	chr4	1.28E+08	1.28E+08	0.100471	1
4	1.28E+08	1.28E+08	BC071246	chr4	1.28E+08	1.28E+08	0.044209	1
4	1.29E+08	1.29E+08	NM_01069	chr4	1.29E+08	1.29E+08	0.072118	1
4	1.29E+08	1.29E+08	NM_18278	chr4	1.29E+08	1.29E+08	0.05022	1
4	1.29E+08	1.29E+08	NM_17307	chr4	1.29E+08	1.29E+08	0.104235	1
4	1.3E+08	1.3E+08	NM_19895	chr4	1.3E+08	1.3E+08	0.072727	1
4	1.3E+08	1.3E+08	NM_17270	chr4	1.3E+08	1.3E+08	0.097229	1
4	1.3E+08	1.3E+08	NM_01076	chr4	1.3E+08	1.3E+08	0.087425	0.988079
4	1.32E+08	1.32E+08	NM_13388	chr4	1.32E+08	1.32E+08	0.099918	1

4	1.33E+08	1.33E+08	NM_01370	chr4	1.33E+08	1.33E+08	0.071086	1
4	1.35E+08	1.35E+08	NM_02298	chr4	1.35E+08	1.35E+08	0.036477	1
4	1.35E+08	1.35E+08	NM_00101	chr4	1.35E+08	1.35E+08	0.081765	1
4	1.37E+08	1.37E+08	M77174	chr4	1.37E+08	1.37E+08	0.087412	1
4	1.37E+08	1.37E+08	NM_00743	chr4	1.37E+08	1.37E+08	0.0748	1
4	1.4E+08	1.4E+08	NM_01106	chr4	1.4E+08	1.4E+08	0.080118	1
4	1.4E+08	1.4E+08	NM_00854	chr4	1.4E+08	1.4E+08	0.069717	1
4	1.41E+08	1.41E+08	BC006954	chr4	1.41E+08	1.41E+08	0.095765	1
4	1.47E+08	1.47E+08	BC010268	chr4	1.47E+08	1.47E+08	0.070118	1
4	1.47E+08	1.47E+08	NM_00872	chr4	1.47E+08	1.47E+08	0.069168	1
4	1.49E+08	1.49E+08	BC089357	chr4	1.49E+08	1.49E+08	0.06996	1
4	1.51E+08	1.51E+08	NM_02872	chr4	1.51E+08	1.51E+08	0.072563	1
4	1.51E+08	1.51E+08	NM_03186	chr4	1.51E+08	1.51E+08	0.071928	1
4	1.51E+08	1.51E+08	NM_00103	chr4	1.51E+08	1.51E+08	0.053529	1
4	1.51E+08	1.51E+08	NM_00907	chr4	1.51E+08	1.51E+08	0.044373	1
4	1.51E+08	1.51E+08	BC098195	chr4	1.51E+08	1.51E+08	0.055395	1
4	1.51E+08	1.51E+08	L48983	chr4	1.51E+08	1.51E+08	0.073529	1
4	1.51E+08	1.51E+08	L48983	chr4	1.51E+08	1.51E+08	0.064706	1
4	1.53E+08	1.53E+08	BC066045	chr4	1.53E+08	1.53E+08	0.131765	1
4	1.53E+08	1.53E+08	BC039980	chr4	1.53E+08	1.53E+08	0.080484	1
4	1.54E+08	1.54E+08	NM_02851	chr4	1.54E+08	1.54E+08	0.139529	1
4	1.54E+08	1.54E+08	NM_02851	chr4	1.54E+08	1.54E+08	0.071529	1
4	1.55E+08	1.55E+08	NM_08044	chr4	1.55E+08	1.55E+08	0.096941	1
5	3806432	3814931	NM_00100	chr5	3813747	3814570	0.096941	1
5	8056581	8065080	BC065790	chr5	8061255	8061951	0.082	1
5	19413596	19422184	AB029485	chr5	19415738	19416558	0.095587	1
5	24726958	24735481	NM_14490	chr5	24727631	24728239	0.071445	1
5	26433602	26442101	NM_20765	chr5	26440257	26440890	0.074588	1
5	27374180	27382679	NM_20728	chr5	27381479	27382206	0.085647	1
5	27586871	27595370	BC048383	chr5	27594537	27595181	0.075882	1
5	29806758	29818418	NM_01994	chr5	29814567	29815181	0.05274	1
5	30337931	30346447	NM_03116	chr5	30339952	30340601	0.076318	1
5	31219562	31228061	BC023116	chr5	31220372	31221278	0.106706	1
5	31220653	31229152	NM_02130	chr5	31220372	31221278	0.073647	0.690187
5	33415076	33423607	NM_01981	chr5	33415211	33416257	0.122714	1
5	33531823	33541040	NM_13390	chr5	33532851	33533464	0.066609	1
5	33531823	33541040	NM_13390	chr5	33535221	33536215	0.107941	1
5	36204180	36212679	NM_02737	chr5	36207759	36208543	0.092353	1
5	36886635	36907919	NM_13391	chr5	36896722	36897312	0.027766	1
5	37333165	37341664	NM_17839	chr5	37335035	37335653	0.072824	1
5	37333165	37341664	NM_17839	chr5	37337952	37338583	0.074353	1
5	37524329	37536767	NM_00776	chr5	37525410	37526315	0.072835	1
5	37620736	37629256	NM_14592	chr5	37623913	37624624	0.083558	1
5	37622611	37631115	NM_02129	chr5	37623913	37624624	0.083716	1
5	38002813	38011388	NM_02241	chr5	38009108	38009928	0.095732	1
5	39930343	39938842	BC009133	chr5	39934440	39935046	0.071412	1
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5	44107387	44115886	BC047214	chr5	44112712	44113346	0.074706	1
5	53993273	54002350	NM_00982	chr5	53994525	53995236	0.078431	1
5	65429205	65437704	BC026739	chr5	65432219	65433099	0.103647	1
5	66136036	66144535	BC094937	chr5	66137848	66138938	0.128353	1
5	66579030	66587529	AY650904	chr5	66580959	66582115	0.136118	1
5	66579030	66587529	AY650904	chr5	66586549	66587391	0.099177	1
5	67375762	67384261	NM_00888	chr5	67381009	67381955	0.111412	1
5	71372236	71380984	NM_00806	chr5	71379706	71380318	0.070065	1
5	72895771	72904270	M84742	chr5	72895861	72896492	0.074353	1
5	72914478	72927887	NM_00772	chr5	72923596	72924181	0.043699	1
5	72920931	72929493	BC125449	chr5	72923596	72924181	0.068434	1
5	73029377	73037912	U16145	chr5	73036290	73036928	0.074859	1
5	73280039	73288538	NM_17340	chr5	73280782	73281395	0.072235	1
5	73830404	73838903	BC031793	chr5	73830424	73831065	0.075529	1
5	78072830	78081329	NM_20693	chr5	78078636	78079069	0.051059	1
5	87590639	87599161	NM_17716	chr5	87597511	87598552	0.122257	1
5	87889836	87899679	BC048817	chr5	87892114	87892765	0.066233	1
5	90003308	90011807	NM_01876	chr5	90005630	90006418	0.092824	1
5	91837718	91850212	NM_02378	chr5	91842728	91843682	0.076431	1
5	92475520	92484113	NM_00756	chr5	92475518	92476181	0.077031	0.996988
5	92475520	92484113	NM_00756	chr5	92477205	92477820	0.071678	1
5	93421551	93430079	NM_02127	chr5	93424137	93425236	0.128972	1
5	93457343	93465842	NM_18172	chr5	93462367	93462950	0.068706	1
5	95707855	95724394	BC099941	chr5	95719935	95720785	0.051451	1
5	1E+08	1E+08	NM_18284	chr5	1E+08	1E+08	0.068693	1
5	1.03E+08	1.03E+08	AB005665	chr5	1.03E+08	1.03E+08	0.100471	1
5	1.04E+08	1.04E+08	NM_19803	chr5	1.04E+08	1.04E+08	0.129412	1
5	1.04E+08	1.04E+08	NM_19803	chr5	1.04E+08	1.04E+08	0.076706	1
5	1.04E+08	1.04E+08	NM_01008	chr5	1.04E+08	1.04E+08	0.086967	1
5	1.04E+08	1.04E+08	NM_01677	chr5	1.04E+08	1.04E+08	0.031477	1
5	1.05E+08	1.05E+08	NM_00926	chr5	1.05E+08	1.05E+08	0.084432	1
5	1.05E+08	1.05E+08	BC020078	chr5	1.05E+08	1.05E+08	0.077059	1
5	1.07E+08	1.07E+08	BC030844	chr5	1.07E+08	1.07E+08	0.088706	1
5	1.08E+08	1.08E+08	NM_01157	chr5	1.08E+08	1.08E+08	0.072231	1
5	1.1E+08	1.1E+08	NM_14514	chr5	1.1E+08	1.1E+08	0.055646	1
5	1.1E+08	1.1E+08	BC007165	chr5	1.1E+08	1.1E+08	0.064235	1
5	1.12E+08	1.12E+08	NM_02135	chr5	1.12E+08	1.12E+08	0.071613	1
5	1.13E+08	1.13E+08	DQ167195	chr5	1.13E+08	1.13E+08	0.068772	1
5	1.13E+08	1.13E+08	NM_00777	chr5	1.13E+08	1.13E+08	0.077454	1
5	1.14E+08	1.14E+08	NM_02552	chr5	1.14E+08	1.14E+08	0.044579	1
5	1.14E+08	1.14E+08	NM_14616	chr5	1.14E+08	1.14E+08	0.06918	1
5	1.21E+08	1.21E+08	NM_03354	chr5	1.21E+08	1.21E+08	0.053712	1
5	1.21E+08	1.21E+08	NM_01185	chr5	1.21E+08	1.21E+08	0.076905	1
5	1.21E+08	1.21E+08	NM_03354	chr5	1.21E+08	1.21E+08	0.056246	1
5	1.21E+08	1.21E+08	NM_01185	chr5	1.21E+08	1.21E+08	0.080534	1
5	1.21E+08	1.21E+08	NM_03354	chr5	1.21E+08	1.21E+08	0.065402	1
5	1.21E+08	1.21E+08	NM_01185	chr5	1.21E+08	1.21E+08	0.093644	1

5	1.21E+08	1.21E+08	NM_03354	chr5	1.21E+08	1.21E+08	0.050278	1
5	1.21E+08	1.21E+08	NM_01185	chr5	1.21E+08	1.21E+08	0.071989	1
5	1.21E+08	1.21E+08	NM_01185	chr5	1.21E+08	1.21E+08	0.071387	1
5	1.21E+08	1.21E+08	BC003980	chr5	1.21E+08	1.21E+08	0.077294	1
5	1.22E+08	1.22E+08	NM_02822	chr5	1.22E+08	1.22E+08	0.053601	1
5	1.22E+08	1.22E+08	NM_02803	chr5	1.22E+08	1.22E+08	0.091016	1
5	1.23E+08	1.23E+08	NM_00103	chr5	1.23E+08	1.23E+08	0.107882	1
5	1.26E+08	1.26E+08	NM_20331	chr5	1.26E+08	1.26E+08	0.075722	1
5	1.26E+08	1.26E+08	NM_02975	chr5	1.26E+08	1.26E+08	0.00397	0.052713
5	1.36E+08	1.36E+08	NM_17875	chr5	1.36E+08	1.36E+08	0.085141	1
5	1.37E+08	1.37E+08	NM_02171	chr5	1.37E+08	1.37E+08	0.081992	1
5	1.38E+08	1.38E+08	NM_01579	chr5	1.38E+08	1.38E+08	0.092931	1
5	1.38E+08	1.38E+08	NM_00101	chr5	1.38E+08	1.38E+08	0.058471	1
5	1.38E+08	1.38E+08	NM_00101	chr5	1.38E+08	1.38E+08	0.089294	1
5	1.38E+08	1.38E+08	NM_00101	chr5	1.38E+08	1.38E+08	0.058941	1
5	1.39E+08	1.39E+08	NM_00103	chr5	1.39E+08	1.39E+08	0.037604	1
5	1.39E+08	1.39E+08	NM_01696	chr5	1.39E+08	1.39E+08	0.069412	1
5	1.39E+08	1.39E+08	NM_02969	chr5	1.39E+08	1.39E+08	0.106941	1
5	1.39E+08	1.39E+08	NM_02969	chr5	1.39E+08	1.39E+08	0.118118	1
5	1.39E+08	1.39E+08	NM_03056	chr5	1.39E+08	1.39E+08	0.083119	1
5	1.43E+08	1.43E+08	NM_01994	chr5	1.43E+08	1.43E+08	0.09614	1
5	1.44E+08	1.44E+08	NM_02573	chr5	1.44E+08	1.44E+08	0.11784	1
5	1.45E+08	1.45E+08	BC050105	chr5	1.45E+08	1.45E+08	0.104353	1
5	1.46E+08	1.46E+08	NM_00100	chr5	1.46E+08	1.46E+08	0.088	1
5	1.47E+08	1.47E+08	NM_00101	chr5	1.47E+08	1.47E+08	0.06481	1
5	1.47E+08	1.47E+08	BC049274	chr5	1.47E+08	1.47E+08	0.063765	1
5	1.48E+08	1.48E+08	BC082547	chr5	1.48E+08	1.48E+08	0.071647	1
5	1.48E+08	1.48E+08	NM_02562	chr5	1.48E+08	1.48E+08	0.075567	1
5	1.49E+08	1.49E+08	NM_01190	chr5	1.49E+08	1.49E+08	0.101501	1
5	1.49E+08	1.49E+08	NM_00101	chr5	1.49E+08	1.49E+08	0.049579	1
5	1.5E+08	1.5E+08	NM_02751	chr5	1.5E+08	1.5E+08	0.071088	1
5	1.5E+08	1.5E+08	NM_08046	chr5	1.5E+08	1.5E+08	0.122846	1
6	3915855	3924359	NM_00936	chr6	3917120	3918054	0.109935	1
6	3947987	3956486	NM_02533	chr6	3949544	3950342	0.094	1
6	5057428	5065927	BC048729	chr6	5064063	5064739	0.079647	1
6	5178331	5186830	BC005714	chr6	5186006	5186796	0.093059	1
6	5669808	5678410	NM_01006	chr6	5677865	5678377	0.05963	1
6	8702253	8710752	U26460	chr6	8702344	8703198	0.100588	1
6	8725596	8734107	NM_01049	chr6	8726916	8727683	0.090226	1
6	11854910	11863450	NM_01088	chr6	11862783	11863408	0.073294	1
6	17581015	17589601	NM_00760	chr6	17582452	17583161	0.082683	1
6	21160110	21168609	NM_01969	chr6	21162486	21163445	0.112941	1
6	28073706	28090379	NM_00817	chr6	28080785	28081448	0.039823	1
6	29102602	29120679	NM_13392	chr6	29106658	29107493	0.046244	1
6	29263150	29271649	NM_20725	chr6	29267683	29268295	0.072118	1
6	30512379	30520885	NM_02792	chr6	30515853	30516692	0.098742	1
6	30512379	30520885	NM_02792	chr6	30519299	30520215	0.107794	1

6	30555020	30563519	NM_14453	chr6	30559165	30559770	0.071294	1
6	30841395	30851736	NM_05407	chr6	30849200	30849810	0.05908	1
6	31974448	31982964	NM_02958	chr6	31978510	31979113	0.070917	1
6	34844315	34853668	NM_00929	chr6	34849478	34850095	0.066068	1
6	35235756	35244278	NM_17289	chr6	35237589	35238934	0.157926	1
6	35235756	35244278	NM_17289	chr6	35240572	35241164	0.069576	1
6	35253763	35262293	NM_17337	chr6	35256309	35257257	0.111241	1
6	35253763	35262293	NM_17337	chr6	35257565	35258546	0.11511	1
6	37369219	37377747	NM_17866	chr6	37374954	37375818	0.101419	1
6	37453781	37462280	NM_14536	chr6	37455448	37456321	0.102824	1
6	38051489	38060182	NM_08046	chr6	38053281	38053890	0.070163	1
6	39516181	39524691	NM_02661	chr6	39522926	39523699	0.090941	1
6	39571490	39579989	AF454556	chr6	39577605	39578231	0.073765	1
6	40033860	40042359	NM_00100	chr6	40040167	40041174	0.118588	1
6	40494964	40503463	NM_14638	chr6	40501231	40502045	0.095882	1
6	40970947	40980469	M16122	chr6	40976345	40977427	0.113725	1
6	41225876	41234378	NM_01164	chr6	41233387	41234352	0.113607	1
6	41461824	41475330	BC034887	chr6	41473918	41474821	0.066928	1
6	42835132	42843631	NM_14698	chr6	42841775	42842389	0.072353	1
6	43125253	43133752	NM_14665	chr6	43131724	43132473	0.088235	1
6	47876987	47885597	NM_17889	chr6	47881041	47881753	0.082801	1
6	48635283	48643830	NM_15317	chr6	48636804	48637363	0.065512	1
6	48662633	48678381	NM_17503	chr6	48672147	48673024	0.05575	1
6	48910447	48919075	NM_17288	chr6	48917306	48917963	0.076255	1
6	50188856	50199448	NM_01876	chr6	50193419	50194280	0.081375	1
6	53528040	53536539	BC029022	chr6	53528653	53529379	0.085529	1
6	53747773	53756272	NM_02581	chr6	53751545	53752151	0.071412	1
6	54357300	54365799	NM_19811	chr6	54358147	54358746	0.070588	1
6	54961579	54970097	NM_18067	chr6	54962407	54963418	0.118793	1
6	55260010	55268523	NM_00747	chr6	55266738	55267513	0.091144	1
6	55375558	55384372	NM_00740	chr6	55383586	55384347	0.086444	1
6	58951581	58960080	NM_15357	chr6	58958109	58958692	0.068706	1
6	65071777	65080486	NM_01945	chr6	65073195	65073792	0.068657	1
6	65513976	65522672	NM_00100	chr6	65518217	65519628	0.162355	1
6	66704209	66712708	NM_13416	chr6	66711082	66711680	0.070471	1
6	70646143	70658513	BC092064	chr6	70647643	70648631	0.079945	1
6	70646143	70658513	BC092064	chr6	70649241	70649896	0.053027	1
6	71249243	71257742	U76371	chr6	71255467	71256171	0.082941	1
6	72467948	72487279	NM_00104	chr6	72473029	72473721	0.035847	1
6	78305855	78314374	NM_01389	chr6	78313411	78314088	0.079578	1
6	82362133	82370944	NM_00931	chr6	82365894	82367236	0.152406	1
6	83490638	83507890	NM_00961	chr6	83490990	83491967	0.056686	1
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6	83619235	83627774	NM_01675	chr6	83626564	83627156	0.069438	1
6	83722302	83730801	NM_02924	chr6	83727276	83727811	0.063059	1
6	83943541	83952040	BC002281	chr6	83948661	83949267	0.071412	1
6	85296578	85305077	NM_17863	chr6	85300373	85301459	0.127882	1

6	85383587	85400146	NM_14491	chr6	85398418	85399409	0.059903	1
6	85466045	85474652	NM_00100	chr6	85466913	85467962	0.12198	1
6	85794994	85803740	NM_02345	chr6	85798339	85798953	0.07031	1
6	85868019	85876518	NM_02933	chr6	85872405	85873187	0.092118	1
6	85976825	85985324	NM_01201	chr6	85983517	85984108	0.069647	1
6	86222834	86231333	BC031432	chr6	86225740	86226792	0.123882	1
6	87332991	87341509	NM_02546	chr6	87339033	87339940	0.106585	1
6	87352070	87360569	NM_02686	chr6	87358666	87359303	0.075059	1
6	87388674	87397173	NM_00975	chr6	87392468	87393525	0.124471	1
6	89705928	89714485	NM_05323	chr6	89711840	89712513	0.078757	1
6	89935675	89944174	NM_05322	chr6	89941287	89941889	0.070941	1
6	90187443	90195942	NM_05322	chr6	90189346	90189956	0.071882	1
6	90564384	90572967	NM_02786	chr6	90566088	90566801	0.083178	1
6	91938382	91955113	NM_17273	chr6	91949282	91950193	0.054506	1
6	95681753	95690261	NM_01150	chr6	95688295	95688913	0.072747	1
6	97274984	97283483	BC058262	chr6	97282649	97283183	0.062941	1
6	99629730	99638234	NM_02582	chr6	99635709	99636464	0.088889	1
6	99652142	99660641	NM_00815	chr6	99654238	99654763	0.061882	1
6	99841357	99849856	BC092381	chr6	99842890	99843584	0.081765	1
6	99841357	99849856	BC092381	chr6	99847730	99848370	0.075412	1
6	1.01E+08	1.01E+08	BC094903	chr6	1.01E+08	1.01E+08	0.067027	1
6	1.01E+08	1.01E+08	BC010329	chr6	1.01E+08	1.01E+08	0.108118	1
6	1.08E+08	1.08E+08	NM_01873	chr6	1.08E+08	1.08E+08	0.121194	1
6	1.08E+08	1.08E+08	NM_01058	chr6	1.08E+08	1.08E+08	0.130353	1
6	1.12E+08	1.12E+08	NM_17552	chr6	1.12E+08	1.12E+08	0.105517	1
6	1.13E+08	1.13E+08	AF496547	chr6	1.13E+08	1.13E+08	0.129289	1
6	1.13E+08	1.13E+08	AF496547	chr6	1.13E+08	1.13E+08	0.068513	1
6	1.13E+08	1.13E+08	BC083184	chr6	1.13E+08	1.13E+08	0.076471	1
6	1.17E+08	1.17E+08	NM_00101	chr6	1.17E+08	1.17E+08	0.084824	1
6	1.17E+08	1.17E+08	NM_14644	chr6	1.17E+08	1.17E+08	0.079765	0.994135
6	1.17E+08	1.17E+08	NM_14644	chr6	1.17E+08	1.17E+08	0.075294	1
6	1.17E+08	1.17E+08	NM_02605	chr6	1.17E+08	1.17E+08	0.058255	1
6	1.17E+08	1.17E+08	NM_17876	chr6	1.17E+08	1.17E+08	0.100012	1
6	1.18E+08	1.18E+08	NM_00100	chr6	1.18E+08	1.18E+08	0.045687	1
6	1.18E+08	1.18E+08	NM_02833	chr6	1.18E+08	1.18E+08	0.075529	1
6	1.19E+08	1.19E+08	NM_00978	chr6	1.19E+08	1.19E+08	0.115059	1
6	1.22E+08	1.22E+08	NM_00790	chr6	1.22E+08	1.22E+08	0.076833	1
6	1.24E+08	1.24E+08	NM_05309	chr6	1.24E+08	1.24E+08	0.127704	1
6	1.25E+08	1.25E+08	NM_01348	chr6	1.25E+08	1.25E+08	0.055125	1
6	1.25E+08	1.25E+08	NM_14539	chr6	1.25E+08	1.25E+08	0.027219	1
6	1.25E+08	1.25E+08	NM_01073	chr6	1.25E+08	1.25E+08	0.019283	0.195238
6	1.25E+08	1.25E+08	NM_01132	chr6	1.25E+08	1.25E+08	0.097189	1
6	1.27E+08	1.27E+08	NM_01020	chr6	1.27E+08	1.27E+08	0.122824	1
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6	1.28E+08	1.28E+08	NM_20137	chr6	1.28E+08	1.28E+08	0.08441	1
6	1.29E+08	1.29E+08	BC093520	chr6	1.29E+08	1.29E+08	0.07649	1
6	1.29E+08	1.29E+08	NM_18106	chr6	1.29E+08	1.29E+08	0.099356	1



6	1.31E+08	1.31E+08	NM_02556 chr6	1.31E+08	1.31E+08	0.104492	1
6	1.33E+08	1.33E+08	NM_20702 chr6	1.33E+08	1.33E+08	0.096588	1
6	1.34E+08	1.34E+08	NM_01059 chr6	1.34E+08	1.34E+08	0.072678	1
6	1.37E+08	1.37E+08	U37465 chr6	1.37E+08	1.37E+08	0.082118	1
6	1.38E+08	1.38E+08	BC057086 chr6	1.38E+08	1.38E+08	0.072941	1
6	1.39E+08	1.39E+08	NM_20722 chr6	1.39E+08	1.39E+08	0.074588	1
6	1.4E+08	1.4E+08	NM_00760 chr6	1.4E+08	1.4E+08	0.071915	1
6	1.4E+08	1.4E+08	NM_05406 chr6	1.4E+08	1.4E+08	0.071957	1
6	1.4E+08	1.4E+08	BC006653 chr6	1.4E+08	1.4E+08	0.073882	1
6	1.42E+08	1.42E+08	NM_01049 chr6	1.42E+08	1.42E+08	0.074361	1
6	1.47E+08	1.47E+08	NM_02531 chr6	1.47E+08	1.47E+08	0.107499	1
6	1.47E+08	1.47E+08	NM_17230 chr6	1.47E+08	1.47E+08	0.086118	1
6	1.47E+08	1.47E+08	NM_02562 chr6	1.47E+08	1.47E+08	0.090558	1
7	4353490	4362181	NM_18340 chr7	4362114	4362825	0.007823	0.095506
7	4507016	4531430	NM_17300 chr7	4525240	4525888	0.026582	1
7	9147598	9156244	NM_13423 chr7	9149678	9150707	0.119116	1
7	15968411	15977344	NM_13378 chr7	15976355	15977107	0.084285	1
7	15971147	15981254	NM_17343 chr7	15976355	15977107	0.074495	1
7	16112317	16120816	NM_00100 chr7	16116893	16117532	0.075294	1
7	17162411	17170923	NM_02721 chr7	17163985	17164637	0.076706	1
7	17218449	17227012	NM_02608 chr7	17225146	17225775	0.073564	1
7	23705871	23714370	NM_20761 chr7	23708993	23709956	0.113412	1
7	23757534	23766033	NM_20348 chr7	23763025	23763973	0.111647	1
7	24412019	24420518	NM_19915 chr7	24417599	24418193	0.07	1
7	24430551	24440823	NM_17759 chr7	24431164	24431852	0.067069	1
7	25004187	25012715	NM_00877 chr7	25012626	25013369	0.010552	0.120968
7	27356683	27365183	NM_02841 chr7	27364166	27365124	0.11281	1
7	27826014	27841075	NM_17692 chr7	27833715	27834581	0.057562	1
7	28937562	28947253	NM_00103 chr7	28939611	28940226	0.063558	1
7	29968908	29977407	BC057041 chr7	29975854	29976568	0.084118	1
7	30454231	30462801	NM_17220 chr7	30460933	30461599	0.077821	1
7	30479162	30487661	NM_02861 chr7	30483443	30484372	0.109412	1
7	33445573	33454072	NM_17744 chr7	33447055	33447886	0.097882	1
7	33445573	33454072	NM_17744 chr7	33452667	33453257	0.069529	1
7	33724327	33732826	NM_00959 chr7	33731485	33732146	0.077882	1
7	35151852	35160438	NM_02129 chr7	35153540	35154647	0.129032	1
7	41051480	41059979	NM_00103 chr7	41059032	41060206	0.111529	0.806809
7	42218734	42227233	NM_02770 chr7	42222397	42222953	0.065529	1
7	43213325	43221824	NM_14558 chr7	43220205	43221273	0.125765	1
7	43496781	43505280	NM_02823 chr7	43499639	43500233	0.07	1
7	43838103	43846623	NM_01011 chr7	43839572	43840880	0.15362	1
7	43838103	43846623	NM_01011 chr7	43844129	43844739	0.071705	1
7	43838103	43846623	NM_01011 chr7	43845148	43845835	0.080742	1
7	43857921	43866420	NM_01064 chr7	43861717	43862379	0.078	1
7	43874720	43883245	NM_01064 chr7	43878336	43879088	0.088318	1
7	43914332	43922835	NM_02026 chr7	43918214	43918850	0.074906	1
7	43914332	43922835	NM_02026 chr7	43921482	43922216	0.08643	1

7	43964334	43972833	NM_01064	chr7	43965978	43966604	0.073765	1
7	43974721	43983224	NM_01011	chr7	43975071	43976009	0.110419	1
7	43974721	43983224	NM_01011	chr7	43981793	43982444	0.07667	1
7	44060272	44068771	NM_00869	chr7	44060792	44061392	0.070706	1
7	44069477	44077980	NM_01091	chr7	44069491	44070105	0.072319	1
7	44069477	44077980	NM_01091	chr7	44075044	44075643	0.070555	1
7	44172437	44180944	NM_00913	chr7	44180913	44181792	0.003761	0.036364
7	44358713	44367212	BC049752	chr7	44365531	44366159	0.074	1
7	44361949	44370450	NM_19799	chr7	44365531	44366159	0.073983	1
7	44390177	44406113	NM_17806	chr7	44402405	44403182	0.048817	1
7	44989923	45018697	NM_01352	chr7	45013022	45014095	0.037324	1
7	45580199	45599855	NM_02001	chr7	45597705	45598444	0.037646	1
7	45645989	45655921	NM_00100	chr7	45652396	45653488	0.110037	1
7	45650010	45658509	NM_00103	chr7	45652396	45653488	0.128588	1
7	46238516	46247081	NM_01086	chr7	46240791	46241634	0.098529	1
7	63317722	63326221	NM_13088	chr7	63324937	63325711	0.091177	1
7	65564119	65574913	NM_17805	chr7	65564686	65565388	0.065123	1
7	66264741	66273291	NM_14619	chr7	66270479	66271094	0.072038	1
7	66581054	66589553	NM_15281	chr7	66586278	66586968	0.081294	1
7	67512328	67524744	NM_17512	chr7	67516717	67517320	0.048643	1
7	67514954	67523453	NM_02590	chr7	67516717	67517320	0.071059	1
7	67630698	67639206	NM_20163	chr7	67631050	67631709	0.077565	1
7	68485969	68494468	NM_00101	chr7	68489582	68490328	0.087882	1
7	68485969	68494468	NM_00101	chr7	68493090	68493938	0.099882	1
7	74425627	74434293	NM_02390	chr7	74430081	74430794	0.082381	1
7	79140779	79149308	NM_01881	chr7	79141848	79142464	0.072333	1
7	79140779	79149308	NM_01881	chr7	79142751	79143441	0.081008	1
7	79713298	79721865	NM_00848	chr7	79718306	79719162	0.100023	1
7	82518826	82528206	NM_17531	chr7	82528019	82528574	0.020041	0.338129
7	82522209	82530713	NM_17789	chr7	82528019	82528574	0.065373	1
7	84283600	84292144	NM_00748	chr7	84288187	84289082	0.104857	1
7	84283600	84292144	NM_00748	chr7	84290349	84290968	0.072557	1
7	84553037	84561536	NM_02298	chr7	84558698	84559310	0.072118	1
7	87366623	87375273	NM_01166	chr7	87367716	87368325	0.070512	1
7	90217891	90226390	NM_00104	chr7	90225776	90226358	0.068588	1
7	96305989	96314488	AB025413	chr7	96312431	96313139	0.083412	1
7	97386814	97395313	BC013813	chr7	97390787	97391396	0.071765	1
7	97386814	97395313	BC013813	chr7	97392141	97392735	0.07	1
7	98585577	98594076	BC022684	chr7	98586516	98587104	0.069294	1
7	98705321	98716589	NM_00951	chr7	98707218	98707836	0.05493	1
7	99635247	99643746	NM_14635	chr7	99641372	99642214	0.099177	1
7	1.01E+08	1.01E+08	NM_17707	chr7	1.01E+08	1.01E+08	0.070052	1
7	1.01E+08	1.01E+08	NM_00749	chr7	1.01E+08	1.01E+08	0.069294	1
7	1.03E+08	1.03E+08	NM_14705	chr7	1.03E+08	1.03E+08	0.078471	1
7	1.04E+08	1.04E+08	NM_14705	chr7	1.04E+08	1.04E+08	0.134824	1
7	1.04E+08	1.04E+08	NM_14681	chr7	1.04E+08	1.04E+08	0.121176	1
7	1.05E+08	1.05E+08	NM_14704	chr7	1.05E+08	1.05E+08	0.072471	1

7	1.05E+08	1.05E+08	NM_14635 chr7	1.05E+08	1.05E+08	0.071294	1
7	1.07E+08	1.07E+08	NM_14635 chr7	1.07E+08	1.07E+08	0.03096	1
7	1.07E+08	1.07E+08	NM_00100 chr7	1.07E+08	1.07E+08	0.101882	1
7	1.08E+08	1.08E+08	NM_14673 chr7	1.08E+08	1.08E+08	0.054118	1
7	1.08E+08	1.08E+08	NM_14674 chr7	1.08E+08	1.08E+08	0.035612	1
7	1.09E+08	1.09E+08	NM_14672 chr7	1.09E+08	1.09E+08	0.094	1
7	1.09E+08	1.09E+08	NM_14630 chr7	1.09E+08	1.09E+08	0.093529	1
7	1.09E+08	1.09E+08	NM_02061 chr7	1.09E+08	1.09E+08	0.074118	1
7	1.12E+08	1.12E+08	NM_17373 chr7	1.12E+08	1.12E+08	0.076824	1
7	1.13E+08	1.13E+08	NM_17724 chr7	1.13E+08	1.13E+08	0.116235	1
7	1.14E+08	1.14E+08	NM_01105 chr7	1.14E+08	1.14E+08	0.070717	1
7	1.16E+08	1.16E+08	NM_01677 chr7	1.16E+08	1.16E+08	0.069058	1
7	1.18E+08	1.18E+08	NM_01941 chr7	1.18E+08	1.18E+08	0.075324	1
7	1.19E+08	1.19E+08	BC052772 chr7	1.19E+08	1.19E+08	0.073177	1
7	1.19E+08	1.19E+08	NM_02242 chr7	1.19E+08	1.19E+08	0.050059	1
7	1.19E+08	1.19E+08	NM_00102 chr7	1.19E+08	1.19E+08	0.080588	1
7	1.19E+08	1.19E+08	BC095985 chr7	1.19E+08	1.19E+08	0.068797	1
7	1.21E+08	1.21E+08	BC023188 chr7	1.21E+08	1.21E+08	0.069059	1
7	1.22E+08	1.22E+08	BC048553 chr7	1.22E+08	1.22E+08	0.087882	1
7	1.23E+08	1.23E+08	BC058379 chr7	1.23E+08	1.23E+08	0.155647	1
7	1.23E+08	1.23E+08	NM_00747 chr7	1.23E+08	1.23E+08	0.075935	1
7	1.26E+08	1.26E+08	NM_02371 chr7	1.26E+08	1.26E+08	0.035834	1
7	1.26E+08	1.26E+08	NM_00984 chr7	1.26E+08	1.26E+08	0.124588	1
7	1.26E+08	1.26E+08	NM_14563 chr7	1.26E+08	1.26E+08	0.097529	1
7	1.28E+08	1.28E+08	BC067200 chr7	1.28E+08	1.28E+08	0.070588	1
7	1.3E+08	1.3E+08	NM_01020 chr7	1.3E+08	1.3E+08	0.053928	1
7	1.31E+08	1.31E+08	AB036742 chr7	1.31E+08	1.31E+08	0.097765	1
7	1.32E+08	1.32E+08	NM_02993 chr7	1.32E+08	1.32E+08	0.062507	1
7	1.33E+08	1.33E+08	BC017520 chr7	1.33E+08	1.33E+08	0.091765	1
7	1.34E+08	1.34E+08	NM_13394 chr7	1.34E+08	1.34E+08	0.225681	1
7	1.35E+08	1.35E+08	NM_18319 chr7	1.35E+08	1.35E+08	0.069868	1
7	1.35E+08	1.35E+08	U36758 chr7	1.35E+08	1.35E+08	0.068706	1
7	1.37E+08	1.37E+08	M84524 chr7	1.37E+08	1.37E+08	0.082941	1
7	1.39E+08	1.39E+08	NM_00976 chr7	1.39E+08	1.39E+08	0.072274	1
7	1.39E+08	1.39E+08	BC119557 chr7	1.39E+08	1.39E+08	0.069152	1
7	1.39E+08	1.39E+08	NM_01199 chr7	1.39E+08	1.39E+08	0.095483	1
7	1.39E+08	1.39E+08	NM_01199 chr7	1.39E+08	1.39E+08	0.107068	1
7	1.4E+08	1.4E+08	BC056493 chr7	1.4E+08	1.4E+08	0.052058	1
7	1.4E+08	1.4E+08	NM_01083 chr7	1.4E+08	1.4E+08	0.115882	1
7	1.4E+08	1.4E+08	NM_19930 chr7	1.4E+08	1.4E+08	0.074118	1
7	1.4E+08	1.4E+08	NM_00101 chr7	1.4E+08	1.4E+08	0.069177	1
7	1.4E+08	1.4E+08	NM_17553 chr7	1.4E+08	1.4E+08	0.085765	1
7	1.41E+08	1.41E+08	NM_14696 chr7	1.41E+08	1.41E+08	0.071529	1
7	1.41E+08	1.41E+08	NM_14538 chr7	1.41E+08	1.41E+08	0.051848	1
7	1.41E+08	1.41E+08	NM_17789 chr7	1.41E+08	1.41E+08	0.069765	1
7	1.41E+08	1.41E+08	NM_01976 chr7	1.41E+08	1.41E+08	0.056102	1
7	1.41E+08	1.41E+08	NM_02779 chr7	1.41E+08	1.41E+08	0.096073	1

7	1.41E+08	1.41E+08	NM_01687 chr7	1.41E+08	1.41E+08	0.096706	1
7	1.42E+08	1.42E+08	NM_18172 chr7	1.42E+08	1.42E+08	0.092107	1
7	1.42E+08	1.42E+08	NM_00103 chr7	1.42E+08	1.42E+08	0.108235	1
7	1.42E+08	1.42E+08	NM_00103 chr7	1.42E+08	1.42E+08	0.092	1
7	1.42E+08	1.42E+08	NM_01580 chr7	1.42E+08	1.42E+08	0.072353	1
7	1.42E+08	1.42E+08	NM_01580 chr7	1.42E+08	1.42E+08	0.072353	1
7	1.42E+08	1.42E+08	NM_01580 chr7	1.42E+08	1.42E+08	0.087177	1
7	1.42E+08	1.42E+08	NM_01580 chr7	1.42E+08	1.42E+08	0.087177	1
7	1.42E+08	1.42E+08	NM_00838 chr7	1.42E+08	1.42E+08	0.108143	1
7	1.43E+08	1.43E+08	NM_00937 chr7	1.43E+08	1.43E+08	0.078118	1
7	1.43E+08	1.43E+08	NM_02028 chr7	1.43E+08	1.43E+08	0.097765	1
7	1.43E+08	1.43E+08	NM_00104 chr7	1.43E+08	1.43E+08	0.047069	1
7	1.43E+08	1.44E+08	NM_02429 chr7	1.43E+08	1.43E+08	0.081177	1
7	1.43E+08	1.44E+08	NM_02429 chr7	1.43E+08	1.43E+08	0.111529	1
7	1.44E+08	1.44E+08	BC006062 chr7	1.44E+08	1.44E+08	0.074588	1
8	3659756	3668261	NM_02698 chr8	3665614	3666223	0.071714	1
8	9971836	9980375	BC043690 chr8	9974953	9975741	0.092389	1
8	9973796	9983658	NM_17695 chr8	9974953	9975741	0.079996	1
8	9971836	9980375	BC043690 chr8	9977561	9978419	0.100585	1
8	9973796	9983658	NM_17695 chr8	9977561	9978419	0.087093	1
8	11306996	11315495	NM_00993 chr8	11308439	11309426	0.116235	1
8	12909888	12918434	NM_17807 chr8	12910108	12911203	0.128232	1
8	13015918	13028522	NM_01017 chr8	13016727	13017979	0.099405	1
8	13031285	13039843	NM_00797 chr8	13036207	13037192	0.1152	1
8	13251630	13260139	NM_17275 chr8	13258801	13259686	0.104113	1
8	18840282	18849030	NM_02679 chr8	18840994	18841608	0.070294	1
8	22573194	22588618	AY746430 chr8	22574591	22575313	0.046872	1
8	22573194	22588618	AY746430 chr8	22580365	22581100	0.047715	1
8	23166691	23175192	NM_00100 chr8	23171023	23171619	0.070219	1
8	23397897	23414835	NM_13922 chr8	23406183	23406813	0.037251	1
8	23994570	24003069	AF196476 chr8	24001904	24002757	0.100471	1
8	24517820	24526319	NM_03115 chr8	24521131	24521785	0.077059	1
8	26039379	26047878	NM_14594 chr8	26044419	26045056	0.075059	1
8	26476798	26485328	NM_02719 chr8	26483562	26484170	0.071387	1
8	26479834	26488450	NM_00740 chr8	26483562	26484170	0.070674	1
8	32549597	32560084	NM_02586 chr8	32559343	32560061	0.068555	1
8	33472545	33481044	AY648975 chr8	33477558	33478106	0.064588	1
8	35113173	35121672	NM_01034 chr8	35115236	35115647	0.048471	1
8	42711442	42719970	NM_14559 chr8	42718958	42719696	0.086646	1
8	44637804	44648973	NM_17774 chr8	44640592	44641273	0.061056	1
8	45195811	45204310	NM_14574 chr8	45198497	45199173	0.079647	1
8	46878489	46887001	NM_15353 chr8	46881729	46882367	0.075062	1
8	47378278	47386835	NM_01679 chr8	47379908	47380531	0.072914	1
8	47378278	47386835	NM_01679 chr8	47382233	47383402	0.136714	1
8	47378278	47386835	NM_01679 chr8	47386254	47386783	0.06193	1
8	49210217	49218716	NM_17240 chr8	49216126	49216758	0.074471	1
8	55004424	55012923	NM_00100 chr8	55004450	55005098	0.076353	1

8	56214877	56229065	NM_02822	chr8	56219163	56219794	0.044542	1
8	65837638	65846165	NM_02368	chr8	65840626	65841300	0.079151	1
8	65837638	65846165	NM_02368	chr8	65842105	65842719	0.072115	1
8	68541514	68550013	NM_17518	chr8	68545723	68546853	0.133059	1
8	70413747	70432512	NM_01087	chr8	70424141	70424747	0.032346	1
8	72067443	72075942	NM_19936	chr8	72067950	72068509	0.065882	1
8	72067443	72075942	NM_19936	chr8	72072683	72073472	0.092941	1
8	72841088	72851346	BC031407	chr8	72843533	72844429	0.087435	1
8	73402388	73411934	NM_17877	chr8	73408358	73409002	0.067561	1
8	74620391	74639957	NM_02818	chr8	74627381	74628202	0.04201	1
8	75032557	75041056	NM_14633	chr8	75038718	75039412	0.081765	1
8	75058275	75066809	NM_00100	chr8	75060107	75060671	0.066198	1
8	81330225	81338724	NM_13894	chr8	81335896	81336638	0.087412	1
8	81380025	81388545	BC002088	chr8	81383562	81384509	0.111255	1
8	86425198	86433697	NM_14627	chr8	86429189	86430179	0.116588	1
8	87781308	87790026	NM_00809	chr8	87782570	87783241	0.077073	1
8	87944233	87975939	NM_01076	chr8	87957175	87957774	0.018923	1
8	89508212	89516711	NM_02582	chr8	89510480	89511266	0.092588	1
8	89633540	89642111	NM_00917	chr8	89637826	89638623	0.093094	1
8	90746919	90755418	AF188609	chr8	90750293	90751307	0.119412	1
8	90783341	90791840	AY147407	chr8	90789030	90789687	0.077412	1
8	96084380	96092932	NM_05320	chr8	96089318	96090022	0.082427	1
8	96693967	96702943	NM_01030	chr8	96699881	96700738	0.095578	1
8	96920367	96928919	NM_17776	chr8	96921188	96921818	0.073775	1
8	96920367	96928919	NM_17776	chr8	96923847	96924574	0.085116	1
8	96923628	96932168	NM_02662	chr8	96923847	96924574	0.085236	1
8	97628719	97637332	NM_00913	chr8	97635280	97635896	0.071628	1
8	98210461	98227079	NM_02446	chr8	98221048	98221631	0.035141	1
8	98215469	98223968	NM_13395	chr8	98221048	98221631	0.068706	1
8	1.08E+08	1.08E+08	NM_13396	chr8	1.08E+08	1.08E+08	0.082776	1
8	1.08E+08	1.08E+08	NM_17275	chr8	1.08E+08	1.08E+08	0.069358	1
8	1.08E+08	1.08E+08	BC057188	chr8	1.08E+08	1.08E+08	0.055398	1
8	1.08E+08	1.08E+08	NM_14621	chr8	1.08E+08	1.08E+08	0.060706	1
8	1.08E+08	1.08E+08	NM_00103	chr8	1.08E+08	1.08E+08	0.072235	1
8	1.09E+08	1.09E+08	BC046980	chr8	1.09E+08	1.09E+08	0.098471	1
8	1.1E+08	1.1E+08	NM_00821	chr8	1.1E+08	1.1E+08	0.099765	1
8	1.12E+08	1.13E+08	NM_02004	chr8	1.13E+08	1.13E+08	0.068032	1
8	1.12E+08	1.13E+08	NM_00103	chr8	1.13E+08	1.13E+08	0.070353	1
8	1.13E+08	1.13E+08	NM_01199	chr8	1.13E+08	1.13E+08	0.097457	1
8	1.13E+08	1.13E+08	NM_14621	chr8	1.13E+08	1.13E+08	0.070353	1
8	1.14E+08	1.14E+08	NM_00791	chr8	1.14E+08	1.14E+08	0.071405	1
8	1.22E+08	1.22E+08	BC054837	chr8	1.22E+08	1.22E+08	0.074471	1
8	1.23E+08	1.23E+08	NM_03020	chr8	1.23E+08	1.23E+08	0.087529	1
8	1.26E+08	1.26E+08	NM_02327	chr8	1.26E+08	1.26E+08	0.074173	1
8	1.27E+08	1.27E+08	NM_00900	chr8	1.27E+08	1.27E+08	0.125176	1
8	1.28E+08	1.28E+08	BC017545	chr8	1.28E+08	1.28E+08	0.083765	1
8	1.28E+08	1.28E+08	NM_02685	chr8	1.28E+08	1.28E+08	0.116901	1

8	1.28E+08	1.28E+08	BC094596	chr8	1.28E+08	1.28E+08	0.068588	1
8	1.29E+08	1.29E+08	NM_02563	chr8	1.29E+08	1.29E+08	0.041968	1
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13	21579420	21587919	NM_14654	chr13	21580679	21581496	0.096235	1
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13	22384003	22392502	NM_13421	chr13	22388348	22389059	0.083765	1
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13	23374135	23382673	NM_17258	chr13	23374189	23374927	0.086544	1
13	23919973	23928474	NM_17701	chr13	23927922	23928457	0.063044	1
13	24418364	24426864	NM_00771	chr13	24424348	24425206	0.101047	1
13	27243895	27252409	NM_00886	chr13	27248607	27249347	0.087023	1
13	27314092	27322592	NM_01116	chr13	27321335	27321964	0.074109	1
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13	33910674	33919173	NM_14894	chr13	33910694	33911353	0.077647	1
13	33966152	33977117	NM_02028	chr13	33973529	33974008	0.043772	1
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13	52603314	52611813	NM_01151	chr13	52608297	52609266	0.114118	1
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13	60943675	60957558	NM_00941	chr13	60946155	60947111	0.068928	1
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13	74164198	74172782	NM_02887	chr13	74165103	74165988	0.103203	1
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14	12799758	12808839	NM_13922	chr14	12803430	12804146	0.078947	1
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18	61282675	61291174	BC066029	chr18	61283384	61284019	0.074824	1
18	65143263	65151774	NM_03188	chr18	65143266	65143882	0.072486	1
18	65589707	65598206	BC046536	chr18	65596376	65596990	0.072353	1
18	67324792	67333291	NM_02419	chr18	67326897	67327615	0.084588	1
18	76380486	76390302	BC089184	chr18	76385054	76385673	0.063156	1
18	78338711	78347210	AF367359	chr18	78344333	78345127	0.093529	1
18	79246519	79255018	NM_05309	chr18	79249345	79249990	0.076	1
18	79246519	79255018	NM_05309	chr18	79253610	79254465	0.100706	1
18	82538706	82547205	NM_00808	chr18	82546022	82546627	0.071294	1
18	82682891	82691473	NM_00102	chr18	82686166	82686984	0.095421	1
18	82682891	82691473	NM_00102	chr18	82690587	82691359	0.090062	1
18	86839303	86849740	NM_17263	chr18	86843554	86844651	0.105193	1
18	89018975	89034409	NM_01882	chr18	89027740	89028531	0.051312	1
18	89325620	89334287	NM_17868	chr18	89332129	89333544	0.163359	1
19	4303456	4312014	NM_13086	chr19	4303742	4304333	0.069167	1
19	4588361	4596860	NM_00879	chr19	4590366	4591360	0.117059	1
19	4987367	4995971	NM_15355	chr19	4993379	4993967	0.068449	1
19	5017860	5028605	NM_00785	chr19	5026237	5026681	0.041411	1
19	5595873	5604374	NM_02661	chr19	5600198	5600801	0.071042	1
19	8196528	8205027	NM_00101	chr19	8197069	8198012	0.111059	1
19	10043748	10052311	NM_01023	chr19	10045767	10046730	0.112564	1
19	10079273	10087807	NM_14453	chr19	10084097	10084741	0.075571	1
19	10102593	10111209	NM_02189	chr19	10103921	10104596	0.07845	1
19	10742575	10751116	NM_02145	chr19	10750803	10751438	0.03676	0.493711
19	10749860	10758359	NM_18140	chr19	10750803	10751438	0.074824	1
19	11688189	11696688	NM_01351	chr19	11689827	11690966	0.134118	1
19	11755576	11764101	NM_13335	chr19	11764048	11765025	0.006334	0.055215
19	11756086	11766599	NM_00103	chr19	11764048	11765025	0.093019	1
19	11756086	11766599	NM_00103	chr19	11765295	11766135	0.079989	1
19	11808604	11817117	NM_00811	chr19	11815547	11816193	0.075993	1
19	11893570	11902069	NM_14693	chr19	11895189	11895928	0.087059	1
19	12156393	12172682	NM_14680	chr19	12165535	12166547	0.062185	1
19	12483356	12497481	NM_01954	chr19	12485241	12486033	0.056138	1
19	12944902	12953401	NM_14669	chr19	12945646	12946293	0.076235	1



19	13160166	13176303	NM_14657	chr19	13163533	13164254	0.044739	1
19	13646325	13654824	NM_14629	chr19	13652750	13653650	0.106	1
19	13765848	13774347	NM_14634	chr19	13767596	13768196	0.070706	1
19	13829326	13837825	NM_14634	chr19	13830706	13831530	0.097059	1
19	13880108	13888607	NM_14679	chr19	13882871	13883483	0.072118	1
19	13892914	13901413	NM_00101	chr19	13897247	13897855	0.071647	1
19	15974232	15982731	BC005657	chr19	15981397	15982210	0.095765	1
19	16938230	16946849	NM_00802	chr19	16945296	16946450	0.133991	1
19	21741733	21750232	BC032261	chr19	21744362	21745152	0.093059	1
19	24238586	24247145	AF113005	chr19	24243864	24244458	0.069509	1
19	25470405	25479215	BC079563	chr19	25472482	25473098	0.070026	1
19	25733508	25747302	NM_14583	chr19	25741942	25742792	0.061689	1
19	26666257	26674756	NM_01141	chr19	26667931	26668550	0.072941	1
19	27278117	27287192	NM_01370	chr19	27282398	27283272	0.096408	1
19	28603918	28612417	AY220846	chr19	28604132	28605013	0.103765	1
19	29023917	29032449	NM_02892	chr19	29026664	29027247	0.06844	1
19	29023917	29032449	NM_02892	chr19	29028050	29028761	0.083441	1
19	29687156	29695655	BC031519	chr19	29688149	29688698	0.064706	1
19	29687156	29695655	BC031519	chr19	29692029	29692770	0.087294	1
19	30063787	30072286	NM_02574	chr19	30069492	30070323	0.097882	1
19	30292939	30301453	NM_01077	chr19	30293844	30294587	0.087375	1
19	33455623	33464122	BC052355	chr19	33461749	33462532	0.092235	1
19	34160965	34169469	BC031933	chr19	34164438	34165178	0.087125	1
19	34229401	34238038	NM_02420	chr19	34231397	34232052	0.075944	1
19	34610943	34619442	NM_00833	chr19	34611850	34612716	0.102	1
19	34630312	34638811	U43085	chr19	34634493	34634927	0.051177	1
19	34810609	34819108	NM_17283	chr19	34814818	34815462	0.075882	1
19	38583341	38591840	NM_01958	chr19	38585568	38586271	0.082824	1
19	40238072	40246597	NM_14549	chr19	40238934	40239540	0.071194	1
19	40878590	40887118	NM_17283	chr19	40879590	40880696	0.129792	1
19	40878590	40887118	NM_17283	chr19	40882492	40883143	0.076445	1
19	42294885	42311593	NM_02769	chr19	42298920	42299776	0.05129	1
19	44250599	44259200	NM_02445	chr19	44256464	44257155	0.080446	1
19	46904211	46912710	BC052513	chr19	46910963	46911623	0.077765	1
19	47062009	47070512	NM_14610	chr19	47062161	47062753	0.069732	1
19	47115059	47123558	NM_17734	chr19	47115265	47115737	0.055647	1
19	47138077	47146589	NM_01105	chr19	47139268	47140367	0.129214	1
19	47175600	47184586	BC051231	chr19	47180675	47181308	0.070546	1
19	50729297	50737796	NM_02137	chr19	50734812	50735426	0.072353	1
19	54034764	54043263	BC049775	chr19	54042417	54043094	0.079765	1
19	55150198	55158697	NM_00814	chr19	55155292	55156014	0.085059	1
19	56335173	56343687	NM_14610	chr19	56340079	56340682	0.070934	1
19	56444379	56460164	NM_00761	chr19	56457074	56457735	0.041936	1
19	56921666	56930216	NM_17284	chr19	56929438	56930140	0.082213	1
19	57058928	57067478	NM_14610	chr19	57059218	57059854	0.074494	1
19	57169745	57178244	AF404776	chr19	57170085	57170690	0.071294	1
19	57700223	57708722	BC050020	chr19	57704346	57704959	0.072235	1

19	58776137	58784724	NM_01887 chr19	58777184	58777957	0.090126	1
19	60278660	60287360	NM_02964 chr19	60285983	60286824	0.096771	1
Un_random	821754	830253	NM_00100 chrUn_ran	825952	826548	0.070235	1
X	6974802	6983301	NM_00842 chrX	6980426	6981042	0.072588	1
X	7029265	7043783	NM_14573 chrX	7031827	7032412	0.040361	1
X	8141132	8149631	BC104363 chrX	8141283	8142392	0.130588	1
X	8184444	8192951	NM_03126 chrX	8192011	8192607	0.070169	1
X	10450183	10484020	BC049545 chrX	10459293	10460347	0.031178	1
X	10450183	10484020	BC049545 chrX	10462066	10463513	0.042792	1
X	10450183	10484020	BC049545 chrX	10472639	10473016	0.011171	1
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X	10450183	10484020	BC049545 chrX	10477977	10478817	0.024854	1
X	10450183	10484020	BC049545 chrX	10481907	10482517	0.018057	1
X	13362071	13370606	BC100482 chrX	13367189	13368803	0.189199	1
X	19999537	20012777	NM_00970 chrX	20005366	20006442	0.081338	1
X	20075356	20083870	NM_01368 chrX	20082926	20083821	0.105226	1
X	33616726	33625287	NM_15350 chrX	33622545	33623124	0.067741	1
X	33620093	33628683	NM_01944 chrX	33622545	33623124	0.067513	1
X	33670437	33683863	NM_19406 chrX	33675282	33676012	0.054443	1
X	33670437	33683863	NM_19406 chrX	33681760	33682318	0.041633	1
X	33690820	33699404	NM_00103 chrX	33694023	33694712	0.080373	1
X	33690820	33699404	NM_00103 chrX	33695525	33696173	0.075597	1
X	33732451	33740970	NM_02130 chrX	33735629	33736353	0.085094	1
X	33732451	33740970	NM_02130 chrX	33737177	33737951	0.090962	1
X	33732451	33740970	NM_02130 chrX	33738694	33739602	0.10669	1
X	33814492	33822991	NM_00103 chrX	33819200	33819822	0.073294	1
X	33965142	33979333	NM_00104 chrX	33968498	33969150	0.046012	1
X	33965142	33979333	NM_00104 chrX	33977480	33978173	0.048901	1
X	34121072	34129571	NM_00100 chrX	34121670	34122268	0.070471	1
X	34143837	34152397	NM_02389 chrX	34147098	34147957	0.100456	1
X	44385154	44393668	NM_02877 chrX	44386218	44387000	0.091955	1
X	47447960	47456617	NM_13416 chrX	47450775	47451370	0.068838	1
X	47922597	47932229	NM_00107 chrX	47927897	47928535	0.066335	1
X	48213175	48223399	BC109337 chrX	48216874	48217529	0.064157	1
X	53163222	53175110	NM_17729 chrX	53163607	53164192	0.049289	1
X	64179602	64188115	NM_02576 chrX	64181141	64181997	0.100658	1
X	69345296	69355761	NM_01172 chrX	69347543	69349200	0.158418	1
X	69363767	69378335	NM_00102 chrX	69370231	69370925	0.047704	1
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X	69438936	69447441	BC064787 chrX	69445342	69447406	0.24277	1
X	69513675	69524110	NM_01172 chrX	69516556	69517639	0.103871	1
X	69540736	69549235	NM_03149 chrX	69541676	69542281	0.071294	1
X	70374184	70382713	NM_00810 chrX	70376192	70376809	0.07245	1
X	97495929	97504428	NM_17293 chrX	97497910	97498914	0.118235	1
X	97836783	97845438	NM_13914 chrX	97840052	97840635	0.067468	1
X	98705339	98713867	NM_02738 chrX	98706430	98707137	0.083011	1

X	98999682	99009451	BC116811	chrX	98999696	99000583	0.090891	1
X	98999682	99009451	BC116811	chrX	99001237	99001876	0.065507	1
X	98999682	99009451	BC116811	chrX	99003051	99003889	0.085875	1
X	98999682	99009451	BC116811	chrX	99006926	99007916	0.101433	1
X	99108907	99117406	NM_02759	chrX	99114347	99114918	0.067294	1
X	1.15E+08	1.15E+08	BC111833	chrX	1.15E+08	1.15E+08	0.09111	1
X	1.3E+08	1.3E+08	NM_18331	chrX	1.3E+08	1.3E+08	0.116118	1
X	1.31E+08	1.31E+08	NM_18332	chrX	1.31E+08	1.31E+08	0.071303	1
X	1.31E+08	1.31E+08	NM_03010	chrX	1.31E+08	1.31E+08	0.073395	1
X	1.32E+08	1.32E+08	NM_17697	chrX	1.32E+08	1.32E+08	0.080898	1
X	1.39E+08	1.39E+08	U39738	chrX	1.39E+08	1.39E+08	0.089294	1
X	1.4E+08	1.4E+08	NM_02624	chrX	1.4E+08	1.4E+08	0.075018	1
X	1.43E+08	1.43E+08	NM_00835	chrX	1.43E+08	1.43E+08	0.052276	1
X	1.46E+08	1.46E+08	NM_00100	chrX	1.46E+08	1.46E+08	0.049976	1
X	1.46E+08	1.46E+08	NM_00100	chrX	1.46E+08	1.46E+08	0.053016	1
X	1.5E+08	1.5E+08	NM_02001	chrX	1.5E+08	1.5E+08	0.074135	1
X	1.53E+08	1.53E+08	NM_02535	chrX	1.53E+08	1.53E+08	0.113335	1
X	1.56E+08	1.56E+08	AF285577	chrX	1.56E+08	1.56E+08	0.053355	1
X	1.63E+08	1.63E+08	NM_02127	chrX	1.63E+08	1.63E+08	0.073392	1
Y	1946029	1954528	NM_01156	chrY	1952691	1953280	0.069412	1

length(bps) probes in r p-value(reg Fraction of MAT-score on T(H3K14acWTHF vs. control)

586	16	0.048728	0	5.30623
1210	32	0.024647	0	7.03993
617	10	0.038197	0	5.86969
606	16	0.045303	0	5.46901
639	12	0.044553	0	5.50629
766	20	0.033342	0	6.19781
598	11	0.043996	0	5.53741
593	15	0.042611	0	5.61493
568	16	0.024797	0	7.02807
787	14	0.017479	0	8.14185
787	14	0.017479	0	8.14185
739	20	0.035531	0	6.05649
1074	28	0.017443	0	8.14865
606	16	0.048931	0	5.29627
599	15	0.048587	0	5.31714
618	12	0.047907	0	5.34622
452	13	0.039556	0	5.79096
604	17	0.049355	0	5.27894
1208	34	0.02349	0	7.18503
619	14	0.03667	0	5.97639
586	11	0.033227	0	6.21055
1684	45	0.036237	0	6.00323
829	19	0.013418	0	9.14928
661	18	0.042072	0	5.65025
646	11	0.049726	0	5.26166
796	22	0.022139	0	7.37296
613	17	0.049187	0	5.28746
642	17	0.041569	0	5.67348
801	21	0.024161	0	7.0966
705	19	0.047836	0	5.35013
1034	25	0.02914	0	6.55345
599	11	0.019429	0	7.79722
1093	30	0.025088	0	6.99248
1020	27	0.031585	0	6.34008
745	19	0.048754	0	5.30397
906	20	0.034586	0	6.12069
886	22	0.018335	0	7.99856
1059	26	0.017946	0	8.06326
709	20	0.039283	0	5.80484
922	26	0.049478	0	5.27388
661	19	0.04894	0	5.29599
661	19	0.04894	0	5.29599
611	14	0.040059	0	5.75781
597	11	0.039247	0	5.80683

751	17	0.03448	0	6.13004
876	16	0.0256	0	6.93693
709	20	0.034763	0	6.10637
665	19	0.038956	0	5.82903
623	13	0.049249	0	5.28445
1004	27	0.029343	0	6.53217
512	13	0.041083	0	5.69551
957	27	0.035125	0	6.08133
957	27	0.035125	0	6.08133
679	14	0.036096	0	6.01321
615	15	0.046786	0	5.39387
603	12	0.035937	0	6.02219
597	12	0.022307	0	7.34489
585	16	0.049143	0	5.28982
820	23	0.01634	0	8.3675
1061	29	0.013568	0	9.09244
588	17	0.043246	0	5.57163
729	19	0.035425	0	6.05957
398	11	0.047845	0	5.34892
1040	22	0.021248	0	7.50646
608	12	0.047448	0	5.36836
1113	30	0.030835	0	6.40468
778	22	0.016764	0	8.28179
1680	46	0.035531	0	6.05588
689	19	0.033077	0	6.2253
1145	32	0.035019	0	6.0883
629	17	0.049249	0	5.28435
588	13	0.043123	0	5.58251
1072	30	0.017443	0	8.1536
450	13	0.049567	0	5.27092
588	17	0.045727	0	5.44843
605	17	0.049814	0	5.25646
590	16	0.043025	0	5.58768
997	27	0.018185	0	8.02509
816	22	0.033403	0	6.19412
982	27	0.016755	0	8.28317
630	15	0.037182	0	5.93825
1888	47	0.000556	0	38.9511
614	18	0.0399	0	5.76628
955	26	0.012879	0	9.33324
677	12	0.019606	0	7.76873
817	23	0.027127	0	6.74874
404	12	0.046724	0	5.39675
797	19	0.03569	0	6.04185
406	11	0.04201	0	5.65255
592	15	0.049072	0	5.29207
722	15	0.031682	0	6.3312

587	14	0.04563	0	5.45611
840	24	0.030217	0	6.45428
947	21	0.032918	0	6.23979
608	13	0.038038	0	5.88098
629	18	0.048446	0	5.32229
616	10	0.033368	0	6.19542
665	18	0.035919	0	6.02332
956	26	0.023826	0	7.13457
737	20	0.032141	0	6.29207
771	15	0.048022	0	5.33999
1032	27	0.020242	0	7.65058
652	19	0.04856	0	5.31757
603	17	0.037729	0	5.89723
637	18	0.044888	0	5.49198
599	16	0.043961	0	5.54035
1122	24	0.01717	0	8.19769
904	25	0.033483	0	6.18728
820	20	0.030111	0	6.46396
961	26	0.01024	0	10.3123
818	23	0.020798	0	7.58282
581	15	0.04984	0	5.25559
845	23	0.028919	0	6.56976
585	16	0.046671	0	5.39821
787	15	0.029405	0	6.52832
611	11	0.046857	0	5.39126
1125	25	0.023967	0	7.12062
1176	30	0.032229	0	6.28396
620	16	0.038947	0	5.82939
613	17	0.045727	0	5.44838
1146	26	0.013797	0	9.03254
1092	26	0.015854	0	8.46168
744	14	0.007583	0	11.8782
505	13	0.048225	0	5.3304
348	10	0.048657	0	5.31081
615	15	0.043431	0	5.56272
823	22	0.041587	0	5.67217
689	15	0.036246	0	6.00314
1034	29	0.038108	0	5.87672
1216	31	0.010849	0	10.0779
700	13	0.04224	0	5.64007
662	14	0.01965	0	7.76278
592	10	0.046971	0	5.38604
821	20	0.046645	0	5.39911
779	22	0.027533	0	6.70327
693	19	0.0323	0	6.28057
787	20	0.045788	0	5.44589
646	15	0.034922	0	6.09891

617	15	0.038038	0	5.8811
624	12	0.027692	0	6.68724
870	18	0.017223	0	8.18595
738	18	0.032424	0	6.27267
666	19	0.024346	0	7.07343
887	24	0.023172	0	7.22577
731	20	0.024991	0	7.00728
676	17	0.043935	0	5.54238
666	15	0.039344	0	5.79861
616	14	0.049072	0	5.29202
606	17	0.040704	0	5.71678
759	17	0.04751	0	5.36622
631	14	0.024285	0	7.0828
636	13	0.048596	0	5.31423
604	17	0.049443	0	5.27576
825	23	0.026483	0	6.82461
702	20	0.031347	0	6.36116
948	26	0.046459	0	5.40657
814	23	0.032662	0	6.2589
397	11	0.02997	0	6.47774
397	11	0.02997	0	6.47774
965	27	0.021592	0	7.45214
965	27	0.021592	0	7.45214
1061	30	0.020109	0	7.67499
413	12	0.045294	0	5.46949
1548	41	0.022863	0.375	7.27394
1548	41	0.022863	0.375	7.27394
685	15	0.033041	0	6.22695
723	20	0.047051	0	5.38222
639	13	0.040474	0	5.73138
882	23	0.013277	0	9.18819
693	13	0.047819	0	5.3503
838	19	0.016225	0	8.3878
735	21	0.045303	0	5.46921
589	15	0.042805	0	5.60066
775	22	0.026589	0	6.8101
1071	31	0.018211	0	8.02112
727	20	0.024832	0	7.02522
1132	24	0.024673	0	7.03825
871	24	0.020665	0	7.59978
950	21	0.024832	0	7.02528
605	15	0.033209	0	6.21273
993	28	0.018291	0	8.00671
652	16	0.046362	0	5.412
840	24	0.036987	0	5.94986
660	14	0.046945	0	5.38736
1102	26	0.014027	0	8.97327

907	17	0.035001	0	6.09141
849	24	0.035328	0	6.06358
611	13	0.043546	0	5.55714
615	16	0.039018	0	5.82488
596	13	0.047616	0	5.36164
658	19	0.029581	0	6.51851
685	20	0.048604	0	5.3133
872	24	0.01009	0	10.3779
591	17	0.045833	0	5.4439
1026	26	0.025882	0	6.90047
861	24	0.019271	0	7.81958
631	18	0.044632	0	5.50436
682	19	0.039848	0	5.77175
623	13	0.04246	0	5.62901
561	16	0.047633	0	5.36061
679	18	0.033721	0	6.17135
808	22	0.032353	0	6.27685
944	25	0.019818	0	7.72913
1068	29	0.036555	0	5.98644
620	10	0.019147	0	7.85039
590	13	0.048446	0	5.32217
593	15	0.03569	0	6.04059
716	13	0.039291	0	5.80444
926	25	0.035213	0	6.07197
829	23	0.025935	0	6.89377
609	16	0.045788	0	5.44559
788	22	0.029369	0	6.53032
678	15	0.032997	0	6.2356
733	21	0.01054	0	10.192
1078	29	0.006532	0	12.7084
980	27	0.036122	0	6.01022
599	15	0.04728	0	5.37567
798	22	0.032079	0	6.29814
751	25	0.032397	0	6.27352
597	11	0.04999	0	5.24789
597	11	0.04999	0	5.24789
610	17	0.047678	0	5.358
847	23	0.03102	0	6.38354
600	12	0.04954	0	5.27214
597	14	0.048719	0	5.30745
692	19	0.042328	0	5.63668
598	16	0.048754	0	5.30521
598	16	0.048754	0	5.30521
602	17	0.04992	0	5.25104
791	19	0.035222	0	6.07043
936	25	0.034604	0	6.11958
1011	27	0.043202	0	5.57638



634	18	0.029881	0	6.49113
827	21	0.033139	0	6.21773
594	11	0.04992	0	5.25068
639	16	0.03682	0	5.96269
662	17	0.040713	0	5.7159
516	12	0.037676	0	5.8998
587	12	0.048931	0	5.29603
751	20	0.031611	0	6.33738
606	17	0.047218	0	5.37693
714	20	0.016702	0	8.29777
719	16	0.032529	0	6.26822
888	14	0.031002	0	6.38567
537	15	0.048754	0	5.30517
628	15	0.049116	0	5.29086
883	24	0.033915	0	6.1637
883	24	0.033915	0	6.1637
619	11	0.040068	0	5.75614
582	14	0.049231	0	5.28508
971	27	0.024488	0	7.05928
1482	35	0.0122	0	9.578
1169	26	0.008342	0	11.399
528	15	0.049699	0	5.26397
680	13	0.019368	0	7.80458
593	16	0.041428	0	5.67785
716	15	0.030702	0	6.41113
641	18	0.025741	0	6.91433
1104	30	0.022837	0	7.28059
593	17	0.040289	0	5.74214
643	19	0.029987	0	6.47631
741	21	0.028186	0	6.63001
741	21	0.028186	0	6.63001
923	16	0.048931	0	5.29641
1056	22	0.018202	0	8.02427
559	14	0.048022	0	5.34001
551	10	0.04728	0	5.37545
685	18	0.02447	0	7.06216
890	23	0.04352	0	5.55889
591	10	0.020303	0	7.64083
995	22	0.020815	0	7.57694
608	17	0.041613	0	5.67156
609	17	0.040801	0	5.71051
902	21	0.023287	0	7.21212
624	16	0.042072	0	5.64994
836	21	0.008386	0	11.3569
1087	30	0.032212	0	6.28542
628	13	0.035884	0	6.02997
867	24	0.015307	0	8.59971

745	21	0.043237	0	5.57397
884	21	0.049346	0	5.27978
774	22	0.022457	0	7.3267
804	16	0.01242	0	9.49956
379	11	0.047845	0	5.34882
596	17	0.046124	0	5.42936
628	14	0.041534	0	5.67532
637	15	0.049884	0	5.25251
598	17	0.039247	0	5.80723
524	13	0.036996	0	5.94949
641	11	0.040165	0	5.75172
996	25	0.024797	0	7.02804
726	21	0.045894	0	5.441
598	17	0.04578	0	5.44622
649	18	0.040977	0	5.7006
652	18	0.031576	0	6.3411
615	12	0.04984	0	5.25447
1041	28	0.035522	0	6.05717
613	17	0.036175	0	6.006
812	23	0.029758	0	6.50373
616	11	0.042805	0	5.60054
832	22	0.049602	0	5.2678
613	10	0.048587	0	5.31519
638	18	0.040518	0	5.72983
981	24	0.008916	0	11.0575
613	17	0.045285	0	5.4713
780	18	0.035893	0	6.0271
589	15	0.03923	0	5.80878
927	25	0.035822	0	6.03385
637	18	0.035919	0	6.02309
585	13	0.046345	0	5.41384
896	22	0.032997	0	6.23518
864	21	0.03268	0	6.25735
1140	31	0.022025	0	7.38308
596	14	0.047607	0	5.36207
994	25	0.037596	0	5.90574
591	17	0.047757	0	5.35288
746	21	0.031091	0	6.37911
650	16	0.034154	0	6.14677
1152	31	0.017991	0	8.06032
634	15	0.017196	0	8.193
634	15	0.017196	0	8.193
795	21	0.033033	0	6.22976
787	21	0.03463	0	6.11841
699	19	0.047907	0	5.3461
876	20	0.03328	0	6.20736
530	11	0.02823	0	6.62528

601	17	0.044835	0	5.49492
641	18	0.044129	0	5.53069
770	22	0.029811	0	6.49725
913	23	0.027101	0	6.75169
637	18	0.034957	0	6.09588
861	24	0.023393	0	7.19733
861	24	0.023393	0	7.19733
915	26	0.024991	0	7.00576
1136	25	0.03569	0	6.042
920	23	0.016278	0	8.37721
715	20	0.047007	0	5.38548
715	20	0.047007	0	5.38548
726	17	0.047633	0	5.36116
880	17	0.023331	0	7.20861
999	25	0.020339	0	7.63523
641	18	0.048649	0	5.31143
614	11	0.046362	0	5.41234
874	25	0.032529	0	6.26818
729	20	0.022113	0	7.37568
619	17	0.045735	0	5.44827
608	15	0.048587	0	5.31706
688	19	0.042275	0	5.63841
606	16	0.04849	0	5.31999
684	20	0.048348	0	5.32581
1081	31	0.017461	0	8.14306
770	20	0.035663	0	6.0441
987	27	0.026527	0	6.81475
843	21	0.036246	0	6.00309
740	17	0.030799	0	6.40714
601	14	0.049266	0	5.28373
1444	40	0.022501	0	7.32026
629	18	0.047845	0	5.34881
1106	28	0.034304	0	6.13833
939	21	0.029087	0	6.55862
733	20	0.033156	0	6.21631
1073	28	0.03561	0	6.04784
642	18	0.041128	0	5.69171
608	16	0.044279	0	5.52436
815	21	0.049717	0	5.26233
777	19	0.025044	0	6.99991
887	21	0.021204	0	7.51208
917	22	0.048684	0	5.30833
817	21	0.01995	0	7.70551
581	17	0.04141	0	5.67965
1115	28	0.029881	0	6.49021
608	15	0.047969	0	5.34159
450	13	0.048666	0	5.30992

450	13	0.048666	0	5.30992
669	15	0.015801	0	8.47264
970	21	0.030632	0	6.41544
1058	29	0.008986	0	11.0166
745	21	0.047572	0	5.36395
488	11	0.046821	0	5.39265
697	20	0.031973	0	6.30912
943	26	0.043988	0	5.5378
934	24	0.041675	0	5.66873
649	18	0.046424	0	5.41092
728	16	0.048657	0	5.31068
593	17	0.031373	0	6.35828
791	22	0.03524	0	6.06844
629	18	0.046265	0	5.41699
619	17	0.032556	0	6.2672
869	19	0.035134	0	6.07789
648	16	0.043326	0	5.56776
806	19	0.042708	0	5.60474
589	12	0.043211	0	5.57518
1171	27	0.020242	0	7.65088
1545	43	0.013065	0	9.27689
743	19	0.015784	0	8.48451
527	15	0.045612	0	5.45698
735	19	0.034586	0	6.11973
802	23	0.031276	0	6.36505
711	20	0.029837	0	6.49383
727	20	0.030331	0	6.44186
1034	25	0.036069	0	6.01448
972	26	0.015925	0	8.44996
739	17	0.024187	0	7.09481
644	18	0.038629	0	5.8464
930	26	0.015386	0	8.58564
584	17	0.04954	0	5.272
584	17	0.04954	0	5.272
995	25	0.018688	0	7.93075
848	24	0.022139	0	7.37231
674	19	0.048684	0	5.30832
720	20	0.040192	0	5.74857
591	17	0.041984	0	5.65302
1134	26	0.015192	0	8.63044
928	26	0.035116	0	6.08322
752	20	0.03569	0	6.04231
618	15	0.045665	0	5.45246
639	13	0.033483	0	6.18721
591	11	0.041745	0	5.66297
662	19	0.033642	0	6.17536
604	15	0.040898	0	5.70456

708	16	0.035601	0	6.05047
766	22	0.03576	0	6.03633
941	21	0.035381	0	6.06126
608	17	0.049346	0	5.27993
625	18	0.036493	0	5.99095
666	18	0.038568	0	5.85227
612	16	0.049867	0	5.25332
862	18	0.023508	0	7.18086
568	10	0.046309	0	5.41587
620	15	0.03132	0	6.36367
605	11	0.036793	0	5.96467
618	10	0.048596	0	5.3139
618	10	0.048596	0	5.3139
644	13	0.048031	0	5.3391
847	21	0.018167	0	8.02867
682	14	0.026562	0	6.81301
679	14	0.022872	0	7.27202
640	17	0.035663	0	6.04365
833	17	0.038126	0	5.87412
595	17	0.04992	0	5.251
660	13	0.041119	0	5.69389
1368	32	0.022298	0	7.34792
565	14	0.049884	0	5.25255
1557	38	0.014583	0	8.81671
605	14	0.046106	0	5.4301
795	18	0.010469	0	10.219
720	13	0.027295	0	6.73638
720	13	0.027295	0	6.73638
423	11	0.047289	0	5.37484
853	22	0.040713	0	5.71601
661	16	0.047969	0	5.34244
703	18	0.048693	0	5.30811
735	19	0.04254	0	5.62009
1194	32	0.022219	0	7.35855
886	26	0.035142	0	6.07558
771	22	0.022731	0	7.29608
1116	27	0.020877	0	7.56407
931	24	0.01528	0	8.60542
854	18	0.049902	0	5.25183
376	11	0.041198	0	5.68733
613	13	0.043449	0	5.56195
675	19	0.04992	0	5.25076
886	23	0.011652	0	9.74806
688	16	0.034869	0	6.10259
828	18	0.022925	0	7.26229
755	15	0.03125	0	6.36585
855	20	0.029502	0	6.52219

607	17	0.045965	0	5.43638
617	11	0.040068	0	5.75698
695	19	0.048428	0	5.32379
743	21	0.034683	0	6.11446
637	14	0.035716	0	6.03878
681	19	0.039018	0	5.82503
742	21	0.031523	0	6.34643
814	17	0.048313	0	5.32737
596	17	0.039812	0	5.77293
588	17	0.049319	0	5.28269
769	19	0.036008	0	6.01947
617	16	0.047757	0	5.35379
617	16	0.047757	0	5.35379
455	13	0.049434	0	5.27604
455	13	0.049434	0	5.27604
688	16	0.005208	0	14.0361
625	11	0.047148	0	5.37896
550	16	0.048525	0	5.31933
1120	31	0.023667	0	7.15936
852	17	0.017991	0	8.05784
1186	23	0.006665	0	12.5909
608	17	0.048278	0	5.32904
824	24	0.031567	0	6.34329
824	18	0.03132	0	6.36276
697	18	0.040871	0	5.70672
821	22	0.048534	0	5.3189
609	16	0.031567	0	6.34335
634	15	0.035601	0	6.05021
728	19	0.034957	0	6.09588
645	16	0.039256	0	5.8061
615	17	0.047969	0	5.343
650	18	0.046662	0	5.39853
907	19	0.02161	0	7.44527
907	19	0.02161	0	7.44527
1047	27	0.021451	0	7.473
614	17	0.047519	0	5.3659
995	27	0.034869	0	6.10159
785	22	0.035955	0	6.02167
591	16	0.042761	0	5.60264
619	16	0.04164	0	5.67075
632	18	0.046742	0	5.39664
906	15	0.023976	0	7.11807
712	18	0.044305	0	5.52278
712	18	0.044305	0	5.52278
821	23	0.046318	0	5.41501
607	16	0.041189	0	5.68886
863	24	0.031682	0	6.33198

635	11	0.04615	0	5.42725
712	20	0.036008	0	6.01844
881	25	0.01973	0	7.74823
1091	27	0.008951	0	11.0484
1157	28	0.013427	0	9.14123
843	24	0.03328	0	6.20686
947	25	0.022837	0	7.28349
613	13	0.046706	0	5.39761
632	35	0.043105	0	5.58419
586	10	0.045409	0	5.4655
586	10	0.045409	0	5.4655
639	18	0.046142	0	5.42869
614	11	0.048834	0	5.30032
642	16	0.035045	0	6.08689
434	12	0.045841	0	5.44357
1042	28	0.021283	0	7.5012
652	17	0.028795	0	6.58113
789	20	0.043096	0	5.58459
955	26	0.017346	0	8.16796
664	17	0.024196	0	7.09327
616	12	0.049964	0	5.24864
1100	30	0.005747	0	13.4841
584	17	0.044129	0	5.53078
851	20	0.016031	0	8.43636
599	17	0.045612	0	5.4569
854	24	0.017417	0	8.15692
1100	24	0.016949	0	8.2373
652	15	0.02372	0	7.14905
740	18	0.047792	0	5.35088
408	12	0.043114	0	5.5835
807	16	0.016402	0	8.35367
655	19	0.043334	0	5.56608
754	21	0.021001	0	7.54024
624	18	0.043334	0	5.56601
546	10	0.042946	0	5.59221
546	10	0.042946	0	5.59221
609	31	0.03591	0	6.02415
599	13	0.048313	0	5.32728
763	16	0.034966	0	6.09425
634	17	0.043175	0	5.57889
589	14	0.035487	0	6.05785
657	16	0.046186	0	5.42241
657	16	0.046186	0	5.42241
688	17	0.031982	0	6.3079
688	17	0.031982	0	6.3079
800	21	0.032212	0	6.28671
800	21	0.032212	0	6.28671

615	10	0.049161	0	5.28887
615	10	0.049161	0	5.28887
609	12	0.039962	0	5.76067
657	19	0.039044	0	5.82333
774	22	0.015607	0	8.51972
774	22	0.015607	0	8.51972
917	17	0.030102	0	6.46457
645	17	0.042143	0	5.64674
645	17	0.042143	0	5.64674
730	14	0.019659	0	7.76084
1172	32	0.014901	0	8.73097
894	25	0.033041	0	6.2273
497	11	0.043793	0	5.54979
759	16	0.048287	0	5.32876
501	10	0.037897	0	5.88582
590	16	0.046124	0	5.42945
590	16	0.046124	0	5.42945
909	24	0.046106	0	5.43009
1004	26	0.023702	0	7.15474
710	18	0.033041	0	6.22905
822	23	0.02387	0	7.13156
1006	24	0.017249	0	8.18167
887	22	0.045427	0	5.46396
748	19	0.040827	0	5.70896
605	17	0.043184	0	5.57809
542	16	0.049858	0	5.25389
609	11	0.023066	0	7.24212
643	16	0.02786	0	6.66711
940	25	0.047925	0	5.34446
424	12	0.049982	0	5.24821
611	15	0.043087	0	5.58498
1048	28	0.048666	0	5.30979
935	26	0.0183	0	8.00463
799	22	0.032989	0	6.2357
677	19	0.049214	0	5.2868
791	16	0.024832	0	7.02542
513	14	0.048225	0	5.3301
855	20	0.030331	0	6.44071
768	21	0.01724	0	8.18373
626	12	0.019809	0	7.73003
710	19	0.029299	0	6.53774
960	27	0.036069	0	6.01412
664	19	0.035955	0	6.02163
836	17	0.0378	0	5.89102
613	17	0.041895	0	5.65656
840	18	0.013568	0	9.08966
917	26	0.035699	0	6.04041



606	10	0.031656	0	6.33434
611	17	0.038868	0	5.83357
604	17	0.049337	0	5.28074
618	17	0.045241	0	5.4748
1346	36	0.035213	0.5	6.07094
593	16	0.046194	0	5.42197
949	26	0.015139	0	8.6467
982	26	0.024867	0	7.02131
865	22	0.03328	0	6.20644
874	23	0.024461	0	7.06292
610	17	0.047854	0	5.34782
774	14	0.033174	0	6.2141
627	15	0.037676	0	5.90021
1008	22	0.032424	0	6.27279
815	23	0.012835	0	9.33808
1083	30	0.034101	0	6.15135
966	27	0.023137	0	7.23273
904	26	0.033659	0	6.1739
615	15	0.042637	0	5.6128
750	21	0.030799	0	6.40686
713	20	0.047015	0	5.38516
560	10	0.030084	0	6.46513
878	25	0.02771	0	6.6866
658	19	0.045427	0	5.46411
862	19	0.026792	0	6.78139
727	20	0.024982	0	7.00843
607	17	0.039644	0	5.78345
600	17	0.025644	0	6.93029
1012	27	0.038453	0	5.86112
776	22	0.029422	0	6.52751
762	20	0.042663	0	5.60904
584	16	0.044403	0	5.51725
598	17	0.033598	0	6.17815
1412	37	0.008775	0	11.1353
599	13	0.037508	0	5.91264
989	28	0.023278	0	7.21343
656	17	0.048057	0	5.33682
705	17	0.04743	0	5.36893
693	12	0.033289	0	6.20529
678	19	0.035125	0	6.08064
1343	38	0.017443	0	8.14965
978	23	0.024523	0	7.05512
557	12	0.043246	0	5.57199
593	14	0.044632	0	5.50421
536	15	0.049249	0	5.28454
607	16	0.049319	0	5.28277
1087	29	0.032909	0	6.24051

992	24	0.033059	0	6.22632
1050	29	0.033315	0	6.20108
615	17	0.04254	0	5.61841
783	21	0.045983	0	5.43603
592	13	0.048931	0	5.29606
1053	27	0.01265	0	9.4065
908	25	0.022263	0	7.35121
638	18	0.049346	0	5.28019
1058	28	0.036034	0	6.01691
674	19	0.033156	0	6.21605
603	17	0.048101	0	5.33485
611	18	0.049567	0	5.27066
714	18	0.021663	0	7.44145
912	16	0.035328	0	6.06464
619	18	0.042513	0	5.62439
535	14	0.049717	0	5.26234
756	20	0.049072	0	5.29253
526	14	0.049346	0	5.28031
695	18	0.037579	0	5.90829
641	18	0.030994	0	6.38624
570	15	0.033871	0	6.16517
919	22	0.015775	0	8.48619
1031	26	0.018052	0	8.04926
1108	31	0.040068	0	5.75724
897	25	0.022713	0	7.29795
1153	29	0.034021	0	6.15864
611	10	0.044155	0	5.52855
650	18	0.044694	0	5.50085
721	14	0.033659	0	6.1736
682	19	0.030173	0	6.45659
640	18	0.038029	0	5.88137
603	11	0.030067	0	6.46835
866	23	0.022237	0	7.35757
760	15	0.030596	0	6.42171
642	15	0.028645	0	6.59337
978	26	0.013815	0	9.02006
856	24	0.039044	0	5.82358
1092	30	0.029096	0	6.5572
938	23	0.048737	0	5.30534
372	11	0.031453	0	6.35294
840	24	0.033077	0	6.22553
840	24	0.033077	0	6.22553
1044	23	0.019677	0	7.75982
1061	27	0.035663	0	6.04331
719	20	0.045939	0	5.43941
652	18	0.048913	0	5.2969
848	21	0.03388	0	6.16427

891	17	0.029352	0	6.53196
821	16	0.01724	0	8.18317
619	10	0.042019	0	5.65219
698	14	0.003884	0	16.0674
620	18	0.049443	0	5.27536
634	18	0.048401	0	5.32459
613	14	0.047033	0	5.38379
613	14	0.047033	0	5.38379
628	18	0.040386	0	5.73571
634	17	0.034931	0	6.09807
916	21	0.035707	0	6.04003
732	16	0.02959	0	6.51485
774	20	0.048958	0	5.2949
712	15	0.047881	0	5.34685
649	18	0.044358	0	5.51966
1030	29	0.016649	0	8.30825
753	17	0.020197	0.5	7.65686
753	17	0.020197	0.5	7.65686
640	16	0.035213	0	6.07105
653	19	0.049814	0	5.25645
630	18	0.040668	0	5.71826
964	21	0.019209	0	7.83358
949	27	0.024452	0	7.06312
595	17	0.041295	0	5.68381
689	19	0.034445	0	6.13219
744	17	0.033174	0	6.21399
959	27	0.017752	0	8.09248
867	23	0.02906	0	6.56149
616	13	0.034092	0	6.15296
715	16	0.031788	0	6.32464
667	19	0.039318	0	5.80383
930	24	0.043228	0	5.57444
832	24	0.044199	0	5.52738
591	17	0.044138	0	5.53041
662	19	0.043864	0	5.54611
1108	24	0.020674	0	7.59603
1175	33	0.035663	0	6.04437
557	13	0.0326	0	6.26171
1069	26	0.032062	0	6.30083
595	17	0.045771	0	5.44717
1309	37	0.020771	0	7.58652
611	18	0.047713	0	5.35601
688	19	0.00437	0	15.0282
663	17	0.035019	0	6.08876
753	18	0.044297	0	5.52317
637	17	0.048463	0	5.32037
735	18	0.024514	0	7.05686

627	18	0.046724	0	5.39708
939	27	0.029925	0	6.48555
652	18	0.043467	0	5.5611
601	17	0.046971	0	5.38675
615	18	0.038974	0	5.82701
600	17	0.043326	0	5.56734
880	25	0.027745	0	6.68294
629	18	0.023764	0	7.14426
629	18	0.023764	0	7.14426
778	21	0.03561	0	6.04958
1074	30	0.027718	0	6.68549
740	16	0.048304	0	5.32803
1093	26	0.021371	0	7.48681
1093	26	0.021371	0	7.48681
844	24	0.042787	0	5.60183
775	22	0.035222	0	6.07036
703	14	0.026421	0	6.83167
616	18	0.045462	0	5.46336
691	17	0.032079	0	6.29789
604	17	0.048031	0	5.33963
604	17	0.048031	0	5.33963
660	18	0.045665	0	5.45202
747	20	0.022387	0	7.3342
849	24	0.035142	0	6.07761
714	16	0.023128	0	7.23357
617	13	0.036246	0	6.00265
691	19	0.022087	0	7.37775
857	23	0.013427	0	9.14294
556	16	0.035319	0	6.06553
556	16	0.035319	0	6.06553
896	21	0.015166	0	8.63811
620	18	0.03682	0	5.96201
613	17	0.040748	0	5.71259
610	14	0.038594	0	5.84941
583	17	0.047607	0	5.36207
709	20	0.029299	0	6.53753
610	12	0.046089	0	5.43081
595	13	0.040165	0	5.75094
589	14	0.048754	0	5.30411
619	16	0.044358	0	5.51991
843	24	0.03147	0	6.35154
596	13	0.044191	0	5.52775
589	17	0.049699	0	5.26332
667	19	0.029122	0	6.5551
1146	32	0.029193	0	6.54704
1030	22	0.022925	0	7.26027
616	17	0.048287	0	5.32878

606	17	0.030782	0	6.40772
427	12	0.044058	0	5.53509
866	23	0.023781	0	7.14105
460	12	0.043246	0	5.57168
594	17	0.048031	0	5.33946
799	22	0.048463	0	5.32059
795	22	0.049567	0	5.27035
630	17	0.040324	0	5.73905
653	16	0.039336	0	5.79971
988	22	0.024064	0	7.10326
603	17	0.038241	0	5.86842
593	14	0.033297	0	6.20455
645	18	0.049752	0	5.25926
622	18	0.047519	0	5.36556
426	11	0.048287	0	5.32875
685	20	0.049752	0	5.26021
590	15	0.045788	0	5.4454
587	16	0.047713	0	5.35589
747	18	0.048207	0	5.33129
1323	32	0.010372	0	10.2698
650	18	0.041189	0	5.68804
589	12	0.048596	0	5.31359
1059	22	0.013736	0	9.05525
829	16	0.024187	0	7.09451
600	15	0.03569	0	6.04211
714	20	0.046583	0	5.40164
831	20	0.009957	0	10.4374
534	10	0.048587	0	5.31473
780	20	0.029978	0	6.47664
3255	67	0.016304	0	8.37382
598	17	0.049999	0	5.24786
584	12	0.044138	0	5.5306
705	20	0.033439	0	6.19074
617	16	0.034586	0	6.12007
588	10	0.043264	0	5.57119
816	23	0.022793	0	7.28973
915	26	0.026474	0	6.82656
760	16	0.034683	0	6.11454
985	24	0.008201	0	11.4809
630	15	0.030932	0	6.39542
588	17	0.041648	0	5.67022
729	17	0.031894	0	6.31571
608	17	0.047678	0	5.35875
491	14	0.045877	0	5.44229
593	10	0.048799	0	5.30238
1010	22	0.006321	0	12.9107
822	21	0.023358	0	7.20337

822	21	0.023358	0	7.20337
783	22	0.020162	0	7.66005
920	26	0.021857	0	7.40487
782	22	0.01077	0	10.1089
615	17	0.048587	0	5.31702
615	17	0.048587	0	5.31702
741	19	0.032009	0	6.30525
741	19	0.032009	0	6.30525
923	22	0.015589	0	8.52111
664	19	0.046874	0	5.39012
831	23	0.034639	0	6.11688
509	15	0.032741	0	6.25347
690	20	0.04465	0	5.50315
948	25	0.016331	0	8.36875
634	18	0.035999	0	6.02031
610	18	0.046768	0	5.39575
789	22	0.035884	0	6.02985
789	22	0.035884	0	6.02985
859	21	0.011723	0	9.72357
859	21	0.011723	0	9.72357
988	27	0.031223	0	6.36896
1096	31	0.024532	0	7.05463
1253	34	0.017752	0	8.09117
986	28	0.036246	0	6.00311
886	25	0.036246	0	6.00225
615	12	0.049425	0	5.27632
723	20	0.024903	0	7.01574
736	21	0.035142	0	6.0761
597	17	0.038929	0	5.83018
631	18	0.039071	0	5.82206
854	23	0.044976	0	5.48858
655	16	0.024346	0	7.07194
638	18	0.027807	0	6.67797
609	17	0.043123	0	5.5823
609	17	0.043123	0	5.5823
719	14	0.019888	0	7.71875
549	15	0.043935	0	5.54212
412	12	0.047881	0	5.34657
739	14	0.024002	0	7.112
682	19	0.034586	0	6.12031
677	19	0.031117	0	6.37694
639	16	0.024779	0	7.02927
624	13	0.03418	0	6.14423
1170	28	0.007221	0	12.1338
530	15	0.049514	0	5.27286
633	13	0.028319	0	6.61672
649	16	0.03923	0	5.80888

632	18	0.048728	0	5.30662
675	18	0.026085	0	6.87511
615	17	0.048763	0	5.30304
1131	26	0.030552	0	6.42549
607	17	0.049205	0	5.28682
560	12	0.045179	0	5.47997
790	22	0.031797	0	6.3239
897	23	0.013541	0	9.11288
645	11	0.033183	0	6.21373
822	16	0.023464	0	7.18755
695	20	0.031488	0	6.35115
565	16	0.031682	0	6.33184
743	21	0.048878	0	5.29906
948	27	0.016154	0	8.40656
991	23	0.013241	0	9.20972
672	19	0.03524	0	6.06855
600	17	0.042531	0	5.62222
787	20	0.023137	0	7.23054
798	18	0.04984	0	5.25547
1015	27	0.029237	0	6.54412
658	19	0.038506	0	5.85678
705	17	0.026412	0	6.83407
858	23	0.021513	0	7.46545
631	18	0.045241	0	5.47517
728	20	0.022793	0	7.29109
728	20	0.022793	0	7.29109
617	18	0.049796	0	5.25743
584	16	0.045718	0	5.44884
584	16	0.045718	0	5.44884
706	20	0.031982	0	6.30668
591	15	0.024567	0	7.05045
662	18	0.044976	0	5.48806
516	15	0.031117	0	6.37619
614	15	0.042822	0	5.60028
837	18	0.034577	0	6.12131
848	20	0.034277	0	6.13998
598	17	0.041675	0	5.66919
598	17	0.041675	0	5.66919
866	17	0.027551	0	6.70227
598	16	0.041895	0	5.65624
1090	31	0.018123	0	8.04039
633	18	0.039812	0	5.77269
744	18	0.018044	0	8.05035
940	19	0.01257	0	9.44535
1064	24	0.007336	0	12.0303
712	14	0.035425	0	6.05955
996	27	0.024947	0	7.01223

583	12	0.042796	0	5.60099
360	10	0.022263	0	7.35396
646	16	0.039486	0	5.79454
844	20	0.022122	0	7.37348
631	12	0.042478	0	5.62655
631	12	0.042478	0	5.62655
1050	30	0.04879	0	5.30249
853	24	0.030499	0	6.42937
641	17	0.048331	0	5.32659
1067	29	0.020665	0	7.59971
891	18	0.022863	0	7.27421
600	17	0.045206	0	5.47745
753	21	0.049937	0	5.24958
672	18	0.03591	0	6.02402
763	21	0.048737	0	5.30566
553	10	0.043202	0	5.57702
874	24	0.013056	0	9.28143
619	11	0.044817	0	5.4963
630	16	0.049893	0	5.2525
605	17	0.04984	0	5.25563
615	18	0.032397	0	6.27354
632	16	0.040139	0	5.75331
955	25	0.029634	0	6.51251
855	20	0.023658	0	7.16023
876	23	0.043352	0	5.56442
1031	25	0.023058	0	7.24507
666	36	0.048569	0	5.31724
834	24	0.022907	0	7.26295
764	21	0.029828	0	6.49481
670	18	0.028734	0	6.58705
809	22	0.024744	0	7.03215
1051	30	0.021186	0	7.51822
727	15	0.047563	0	5.36444
796	22	0.04563	0	5.4563
854	20	0.028098	0	6.64355
747	21	0.035937	0	6.02201
660	19	0.030243	0	6.45184
608	17	0.042964	0	5.59112
451	13	0.042867	0	5.59781
666	19	0.034339	0	6.13639
741	21	0.0262	0	6.85791
741	21	0.0262	0	6.85791
620	14	0.042681	0	5.60729
617	18	0.04743	0	5.36897
1136	32	0.00986	0	10.4962
857	18	0.049699	0	5.26347
380	11	0.049567	0	5.27133



605	15	0.039124	0	5.8205
874	19	0.034092	0	6.15331
659	15	0.049355	0	5.27877
682	17	0.042134	0	5.64758
730	17	0.044923	0	5.49046
669	19	0.049443	0	5.27557
792	22	0.035142	0	6.07614
614	17	0.041366	0	5.68137
611	17	0.047836	0	5.34918
622	18	0.040801	0	5.70982
1088	30	0.018997	0	7.8792
506	14	0.034922	0	6.09894
638	18	0.031567	0	6.34267
517	12	0.047695	0	5.35691
684	19	0.042187	0	5.64424
598	17	0.047942	0	5.34368
639	18	0.006656	0	12.598
590	17	0.049214	0	5.28555
617	17	0.044756	0	5.49832
585	15	0.032062	0	6.30063
679	17	0.017735	0	8.09445
1187	33	0.023587	0	7.17258
1149	31	0.027365	0	6.72661
456	13	0.036122	0	6.01103
598	15	0.045541	0	5.46067
1025	29	0.033315	0	6.20027
598	12	0.04359	0	5.55507
856	22	0.034092	0	6.15351
811	18	0.031753	0	6.32693
782	15	0.021433	0	7.47439
786	21	0.005164	0	14.0952
763	21	0.030411	0	6.43641
1117	23	0.008192	0	11.5079
841	23	0.026412	0	6.83439
982	25	0.024346	0	7.07111
794	23	0.042663	0	5.60964
703	20	0.039503	0	5.79418
618	16	0.043979	0	5.53859
738	21	0.023949	0	7.12315
1116	27	0.024099	0	7.10041
1042	24	0.017055	0	8.22055
595	14	0.038982	0	5.82649
975	27	0.023349	0	7.20452
600	13	0.040174	0	5.75054
688	19	0.040518	0	5.72921
696	16	0.035707	0	6.03953
892	25	0.032565	0	6.26551

676	19	0.04179	0	5.66151
982	22	0.032724	0	6.25542
582	17	0.049231	0	5.28524
641	15	0.031099	0	6.37898
612	16	0.041216	0	5.68628
603	12	0.048772	0	5.30282
794	23	0.024903	0	7.01672
659	13	0.035531	0	6.05692
463	11	0.045603	0	5.45723
605	16	0.04593	0	5.43957
974	20	0.017311	0	8.17442
725	21	0.035134	0	6.07791
698	19	0.047236	0	5.37642
840	19	0.035893	0	6.02705
624	18	0.046327	0	5.41485
640	18	0.048799	0	5.30205
821	23	0.008183	0	11.5149
776	22	0.028946	0	6.56876
592	16	0.049337	0	5.28081
592	16	0.049337	0	5.28081
1184	33	0.012517	0	9.46444
544	12	0.044147	0	5.5293
611	12	0.049876	0	5.25293
656	12	0.045612	0	5.45698
650	13	0.031329	0	6.362
625	15	0.042628	0	5.61369
992	28	0.027869	0	6.66547
729	15	0.032238	0	6.28371
598	15	0.045647	0	5.45297
593	15	0.039803	0	5.77344
663	16	0.020983	0	7.54866
1180	26	0.01062	0	10.1714
932	26	0.018035	0	8.05135
719	20	0.045577	0	5.45881
686	19	0.047422	0	5.37037
688	13	0.03576	0	6.03697
602	17	0.04352	0	5.55885
658	14	0.048596	0	5.31444
674	19	0.039848	0	5.77084
782	20	0.031947	0	6.31237
1073	30	0.015113	0	8.65584
837	20	0.031611	0	6.33789
604	14	0.049628	0	5.26646
601	17	0.039909	0	5.76421
709	16	0.034154	0	6.14645
645	17	0.030331	0	6.44265
901	25	0.029925	0	6.48676

965	17	0.018008	0	8.05495
922	25	0.043661	0	5.55304
724	20	0.049699	0	5.26363
703	20	0.044941	0	5.4895
959	27	0.021186	0	7.51938
1344	36	0.010575	0	10.1831
686	18	0.03019	0	6.45553
1062	30	0.024523	0	7.05519
520	15	0.048145	0	5.33314
1638	43	0.018273	0	8.01024
606	17	0.044297	0	5.52338
1155	26	0.01363	0	9.07911
702	16	0.034648	0	6.11658
990	25	0.017629	0	8.11381
617	16	0.046097	0	5.43026
1047	28	0.024699	0	7.03657
903	25	0.043935	0	5.54176
878	25	0.021778	0	7.41685
1113	31	0.030561	0	6.42407
793	17	0.027551	0	6.7008
686	16	0.046556	0	5.40257
844	24	0.029996	0	6.47573
844	24	0.029996	0	6.47573
908	19	0.031373	0	6.35774
1962	42	0.018017	0	8.05419
877	24	0.032353	0	6.27639
859	18	0.029175	0	6.54912
612	17	0.046857	0	5.39132
775	18	0.049514	0	5.27281
837	23	0.034348	0	6.13611
769	22	0.031735	0	6.32946
381	11	0.042708	0	5.6049
831	19	0.022466	0	7.32568
597	17	0.042875	0	5.5975
1008	27	0.012606	0	9.42261
597	16	0.048048	0	5.33836
770	22	0.030994	0	6.38626
639	18	0.023993	0	7.11336
693	20	0.048754	0	5.30377
651	18	0.036493	0	5.9912
651	18	0.036493	0	5.9912
649	11	0.035019	0	6.08857
826	23	0.024338	0	7.07554
986	23	0.010999	0	10.0153
1089	21	0.016931	0	8.24231
619	14	0.046424	0	5.41056
637	15	0.049214	0	5.28638

616	13	0.048525	0	5.31938
620	16	0.04947	0	5.27454
1053	29	0.017143	0	8.20196
790	22	0.042602	0	5.61538
786	22	0.020083	0	7.68761
1195	31	0.023976	0	7.11756
519	14	0.023852	0	7.1327
595	17	0.047713	0	5.35553
610	15	0.047757	0	5.35378
584	15	0.04412	0	5.53102
466	14	0.045285	0	5.47047
653	19	0.049567	0	5.27087
591	17	0.044358	0	5.51899
575	13	0.047863	0	5.34768
1158	33	0.013806	0	9.02757
626	18	0.048216	0	5.33082
645	17	0.045965	0	5.43694
559	11	0.041922	0	5.65558
821	22	0.031647	0	6.33468
609	17	0.04984	0	5.25452
700	20	0.031867	0	6.31777
586	17	0.037446	0	5.9181
669	19	0.033165	0	6.21566
759	22	0.047633	0	5.36049
611	17	0.047015	0	5.38528
597	13	0.02394	0	7.12384
1325	32	0.02417	0.125	7.09619
1325	32	0.02417	0.125	7.09619
421	12	0.03524	0	6.06883
620	14	0.04728	0	5.37525
595	13	0.045638	0	5.45429
601	12	0.04947	0	5.27454
595	16	0.046	0	5.43404
727	16	0.042196	0	5.64405
1282	36	0.014354	0	8.88373
616	10	0.043149	0	5.58092
687	19	0.046203	0	5.42084
1023	23	0.021557	0	7.4554
723	20	0.047377	0	5.37213
668	19	0.049752	0	5.25997
685	19	0.047678	0	5.35896
687	18	0.048666	0	5.30927
619	15	0.036025	0	6.01767
612	13	0.04254	0	5.61764
612	13	0.04254	0	5.61764
1574	39	0.005694	0	13.5493
750	21	0.018202	0	8.02448

1719	40	0.008686	0	11.1807
886	25	0.021725	0	7.42695
936	26	0.038921	0	5.83074
673	19	0.039336	0	5.80007
1111	30	0.021469	0	7.47044
530	15	0.047916	0	5.34577
636	18	0.040068	0	5.75751
706	19	0.042681	0	5.60729
595	17	0.048048	0	5.33741
695	20	0.036034	0	6.01665
909	26	0.016605	0	8.31179
623	11	0.047607	0	5.36221
751	19	0.030411	0	6.43506
1020	24	0.023737	0	7.14718
680	15	0.041136	0	5.69166
723	20	0.037208	0	5.9357
618	17	0.049284	0	5.28334
675	18	0.033174	0	6.21442
565	16	0.044482	0	5.51198
804	21	0.035566	0	6.05432
519	15	0.033024	0	6.23105
915	24	0.021407	0	7.48148
612	15	0.044526	0	5.50876
722	17	0.033395	0	6.19431
649	12	0.036069	0	6.01526
658	18	0.047316	0	5.37408
615	15	0.047757	0	5.35353
666	19	0.036122	0	6.0101
1119	31	0.024099	0	7.1006
630	16	0.044358	0	5.52079
593	16	0.043175	0	5.57938
952	23	0.02462	0	7.04439
790	21	0.033033	0	6.22961
891	21	0.013692	0	9.07077
888	25	0.023058	0	7.24456
743	16	0.034092	0	6.15297
617	14	0.049655	0	5.26529
1097	31	0.024611	0	7.04594
660	18	0.031117	0	6.37652
1123	28	0.013453	0	9.12434
611	17	0.046548	0	5.403
653	17	0.045894	0	5.4413
618	18	0.042867	0	5.59883
826	23	0.010964	0	10.0295
655	15	0.047042	0	5.38245
706	15	0.046565	0	5.40226
849	20	0.022687	0	7.30292

622	15	0.033315	0	6.20328
598	17	0.038453	0	5.86023
596	13	0.04751	0	5.36618
497	14	0.048551	0	5.31834
484	14	0.03396	0	6.16236
895	26	0.049602	0	5.26729
587	17	0.048666	0	5.31061
831	15	0.018935	0	7.88479
939	26	0.014106	0	8.96024
823	19	0.021239	0	7.50783
1500	38	0.048719	0	5.3078
741	21	0.04284	0	5.59958
675	15	0.045453	0	5.46343
618	14	0.046742	0	5.39644
586	17	0.044464	0	5.51385
1122	30	0.013241	0	9.2015
640	15	0.045983	0	5.43532
793	22	0.018026	0	8.05237
645	19	0.009728	0	10.5964
618	15	0.045126	0	5.48322
683	18	0.026721	0	6.79198
979	25	0.034719	0	6.11041
801	15	0.047298	0	5.37482
602	17	0.04992	0	5.25095
1036	19	0.02424	0	7.08926
1036	19	0.02424	0	7.08926
1040	26	0.016172	0	8.39668
678	15	0.045365	0	5.46713
825	20	0.033854	0	6.16658
1007	28	0.02018	0	7.65836
1008	28	0.021319	0	7.49396
675	19	0.034498	0	6.12812
675	19	0.034498	0	6.12812
613	13	0.029175	0	6.55102
727	21	0.04691	0	5.38768
1047	27	0.02477	0	7.03076
824	22	0.031885	0	6.31722
824	22	0.031885	0	6.31722
643	17	0.033227	0	6.21037
1198	33	0.010849	0	10.0774
609	16	0.045365	0	5.46792
702	15	0.045833	0	5.44429
705	20	0.030331	0	6.44327
569	16	0.049249	0	5.28435
410	10	0.048587	0	5.31468
658	16	0.017735	0	8.09623
527	14	0.045135	0	5.48246

630	18	0.032397	0	6.27437
1006	23	0.02756	0	6.70054
748	21	0.033598	0	6.17775
642	18	0.045003	0	5.48688
414	12	0.043802	0	5.54933
819	22	0.009922	0	10.4659
1567	38	0.030596	0	6.42208
1347	37	0.017514	0	8.13506
591	17	0.048454	0	5.32128
599	17	0.024293	0	7.08163
1112	29	0.028063	0	6.6469
547	11	0.042628	0	5.61369
599	16	0.048022	0	5.34036
600	17	0.048807	0	5.30106
584	10	0.03576	0	6.03617
645	17	0.041895	0	5.65721
475	13	0.023993	0	7.11493
602	17	0.04984	0	5.25517
1112	22	0.03862	0	5.84744
864	23	0.028116	0	6.64037
587	17	0.029449	0	6.5253
665	19	0.04171	0	5.66805
705	20	0.023976	0	7.11809
600	12	0.045427	0	5.46447
684	15	0.044976	0	5.48839
609	12	0.033209	0	6.21274
578	10	0.016428	0	8.34791
532	15	0.047686	0	5.35769
969	17	0.032009	0	6.30467
969	17	0.032009	0	6.30467
643	14	0.031567	0	6.3429
1018	23	0.040898	0	5.70436
596	17	0.043352	0	5.56469
411	12	0.049443	0	5.27538
617	12	0.038682	0	5.8443
699	20	0.034975	0	6.09291
667	16	0.048684	0	5.30858
718	20	0.026032	0	6.88772
677	15	0.040201	0	5.7482
677	15	0.040201	0	5.7482
638	12	0.033121	0	6.2197
707	20	0.046839	0	5.39215
718	21	0.029961	0	6.48198
627	11	0.044923	0	5.49062
639	19	0.03659	0	5.98396
900	25	0.035663	0	6.0444
836	23	0.030967	0	6.38943

968	23	0.023199	0	7.22415
613	17	0.044261	0	5.52513
807	21	0.036158	0	6.00695
558	13	0.047978	0	5.34154
864	20	0.028954	0	6.5676
872	25	0.036096	0	6.01356
957	17	0.042646	0	5.61183
1060	29	0.030632	0	6.41601
882	21	0.032053	0	6.30183
595	17	0.049655	0	5.26534
895	22	0.023269	0	7.21489
895	22	0.023269	0	7.21489
620	18	0.046168	0	5.42406
650	18	0.049319	0	5.28238
1023	29	0.032168	0	6.28863
649	18	0.037994	0	5.88241
1084	24	0.035134	0	6.07784
775	16	0.040545	0	5.72673
758	22	0.042672	0	5.60836
636	18	0.029581	0	6.51643
691	19	0.023428	0	7.19067
682	14	0.03569	0	6.04084
914	23	0.020321	0	7.63705
609	12	0.041745	0	5.66322
981	22	0.041428	0	5.67797
635	18	0.024647	0	7.04017
764	17	0.04615	0	5.42549
727	20	0.024955	0	7.01031
867	15	0.039733	0	5.77892
689	19	0.042867	0	5.59885
1042	25	0.024011	0	7.11072
933	25	0.035654	0	6.04489
926	25	0.017055	0	8.21899
675	19	0.029034	0	6.56398
607	17	0.034118	0	6.15023
1050	25	0.030146	0	6.45896
700	17	0.031391	0	6.35607
641	18	0.045285	0	5.47026
608	17	0.028178	0	6.6326
834	22	0.023596	0	7.17001
997	28	0.03561	0	6.04759
707	20	0.049505	0	5.27322
931	26	0.030411	0	6.43567
600	17	0.043908	0	5.54327
683	19	0.024117	0	7.09895
646	19	0.03155	0	6.34386
640	18	0.043935	0	5.54187



654	17	0.035937	0	6.02219
600	11	0.046556	0	5.40285
606	14	0.042222	0	5.6419
850	24	0.005341	0	13.9499
968	25	0.013736	0	9.05801
915	26	0.01852	0.75	7.96058
1021	28	0.017849	0	8.07575
876	25	0.02771	0	6.68619
925	25	0.028698	0	6.58984
683	13	0.035195	0	6.0734
594	12	0.038056	0	5.88057
818	23	0.033006	0	6.23462
980	27	0.028884	0	6.57153
712	20	0.036184	0	6.00543
1063	29	0.031629	0	6.33612
556	16	0.03388	0	6.16449
603	17	0.048587	0	5.31583
1284	32	0.013868	0	9.01066
1089	28	0.036008	0	6.01942
886	25	0.024514	0	7.05669
1176	32	0.029961	0	6.48119
739	17	0.011864	0	9.68478
536	15	0.035884	0	6.02901
859	24	0.028822	0	6.57824
741	18	0.047792	0	5.35071
630	18	0.04563	0	5.4551
1023	24	0.024037	0	7.10897
605	17	0.048728	0	5.30647
688	14	0.045285	0	5.47152
660	18	0.00572	0	13.5175
480	10	0.049125	0	5.29073
746	20	0.033342	0	6.19656
610	15	0.047316	0	5.37383
771	21	0.048754	0	5.30411
617	16	0.03486	0	6.10277
1158	32	0.018141	0	8.03358
668	19	0.049814	0	5.25672
688	13	0.042875	0	5.59651
613	12	0.0378	0	5.89093
1242	35	0.023984	0	7.11617
615	10	0.039424	0	5.7959
832	23	0.04058	0	5.72389
823	13	0.015801	0	8.4754
629	18	0.048622	0	5.31249
970	22	0.018414	0	7.98377
1134	32	0.035831	0	6.03294
614	17	0.038417	0	5.86211

708	19	0.035575	0	6.05243
847	20	0.023428	0	7.19222
720	13	0.025026	0	7.00063
620	13	0.049028	0	5.29306
608	10	0.02289	0	7.27011
622	13	0.043167	0	5.58024
600	17	0.027277	0	6.73953
957	27	0.034692	0	6.11199
596	16	0.037385	0	5.92357
869	20	0.048878	0	5.29802
611	16	0.048225	0	5.33004
653	18	0.044155	0	5.52874
673	14	0.040977	0	5.69855
881	25	0.018123	0	8.0375
674	19	0.0445	0	5.51043
594	17	0.039565	0	5.78971
492	14	0.048578	0	5.3172
886	24	0.04984	0	5.25554
625	17	0.048604	0	5.3131
793	20	0.035963	0	6.02142
793	20	0.035963	0	6.02142
689	19	0.030075	0	6.46684
680	16	0.046283	0	5.41669
764	21	0.044553	0	5.50698
977	26	0.033501	0	6.18685
820	23	0.04563	0	5.45549
985	20	0.013436	0	9.13283
846	24	0.02364	0	7.16235
597	17	0.04954	0	5.27212
745	18	0.023146	0	7.2292
607	16	0.04058	0	5.72424
857	22	0.032424	0	6.27195
694	15	0.039592	0	5.78613
752	19	0.024797	0	7.02787
946	25	0.035928	0	6.02307
620	17	0.049637	0	5.26563
703	19	0.035019	0	6.08862
1137	32	0.017832	0	8.07966
790	19	0.045515	0	5.46099
813	23	0.044985	0	5.48757
985	17	0.028283	0	6.61838
1113	29	0.017664	0	8.10574
717	20	0.030914	0	6.39789
636	18	0.032565	0	6.26452
588	17	0.049505	0	5.2732
585	15	0.047695	0	5.35704
680	18	0.014548	0	8.82631

626	15	0.022307	0	7.34506
626	15	0.022307	0	7.34506
1029	27	0.044694	0	5.50043
626	17	0.047633	0	5.36079
600	12	0.049973	0	5.24826
591	17	0.048454	0	5.3216
976	25	0.034339	0	6.13626
702	20	0.02665	0	6.80381
814	23	0.042337	0	5.63643
589	15	0.048958	0	5.29534
857	23	0.033121	0	6.22191
838	22	0.042875	0	5.59658
987	18	0.02778	0	6.68012
584	15	0.046406	0	5.41116
674	17	0.033342	0	6.19759
569	11	0.021945	0	7.39525
680	15	0.047068	0	5.38158
739	21	0.036228	0	6.00396
797	21	0.035654	0	6.0449
1248	33	0.048145	0	5.33384
1248	33	0.048145	0	5.33384
637	18	0.042372	0	5.63337
442	12	0.033509	0	6.18624
457	12	0.046177	0	5.42302
719	20	0.032335	0	6.27744
748	21	0.034039	0	6.15658
624	18	0.031982	0	6.30773
767	20	0.034931	0	6.09811
734	21	0.030022	0	6.47213
775	20	0.049584	0	5.26841
1074	26	0.017532	0	8.12894
886	25	0.021786	0	7.41202
892	20	0.023702	0	7.1525
594	17	0.047695	0	5.35684
453	11	0.03448	0	6.12919
1286	34	0.018291	0	8.00661
760	14	0.023128	0	7.23576
560	16	0.047422	0	5.36977
599	17	0.012412	0	9.51523
1004	27	0.020136	0	7.66633
675	19	0.037455	0	5.91627
616	17	0.035222	0	6.06997
592	17	0.040139	0	5.75369
633	15	0.049055	0	5.29277
592	10	0.043299	0	5.56965
759	19	0.019703	0	7.75548
819	20	0.025026	0	7.00132

682	19	0.038956	0	5.82835
625	18	0.047245	0	5.37611
735	19	0.028336	0	6.61473
639	18	0.03162	0	6.33657
611	17	0.044279	0	5.52436
676	15	0.044941	0	5.48924
408	10	0.041472	0	5.67734
536	10	0.044138	0	5.53038
1038	22	0.036228	0	6.00373
530	15	0.04992	0	5.25058
784	18	0.032229	0	6.2848
856	20	0.023128	0	7.23404
649	17	0.045744	0	5.44817
629	14	0.048039	0	5.33909
933	26	0.011317	0	9.87224
912	25	0.034039	0	6.15632
471	10	0.041322	0	5.6827
1085	24	0.035222	0	6.06959
838	21	0.049982	0	5.248
634	17	0.043846	0	5.54781
1118	31	0.014654	0	8.79158
643	18	0.039715	0	5.77984
632	18	0.032106	0	6.29627
617	17	0.039159	0	5.81525
905	20	0.048401	0	5.32465
1100	25	0.018044	0	8.05013
686	18	0.039106	0	5.82076
600	11	0.032477	0	6.26985
731	18	0.030049	0	6.46966
855	14	0.031108	0	6.3778
629	16	0.043635	0	5.55381
794	20	0.045709	0	5.44922
554	13	0.049364	0	5.27824
602	12	0.039124	0	5.81951
755	20	0.025573	0	6.93812
877	25	0.026633	0	6.80605
589	15	0.04984	0	5.25562
640	18	0.049902	0	5.25175
984	26	0.027056	0	6.75476
1070	28	0.030932	0	6.39649
670	13	0.035001	0	6.09155
965	24	0.049575	0	5.26939
753	21	0.033174	0	6.21433
702	13	0.021319	0	7.49175
674	18	0.034286	0	6.13949
608	17	0.044147	0	5.52974
2033	46	0.024523	0	7.05596

1138	32	0.008474	0	11.3128
858	22	0.018141	0	8.03366
759	19	0.036016	0	6.01825
601	12	0.043114	0	5.58311
817	21	0.03418	0	6.14433
817	21	0.03418	0	6.14433
685	19	0.048039	0	5.33892
710	13	0.034039	0	6.15769
472	14	0.049611	0	5.26672
647	18	0.047422	0	5.37052
991	23	0.033033	0	6.23028
645	18	0.038594	0	5.84798
817	20	0.02289	0	7.27068
1155	27	0.021327	0	7.49118
638	18	0.020127	0	7.67341
474	13	0.046362	0	5.41191
679	14	0.024717	0	7.03384
954	17	0.024717	0	7.0333
677	15	0.030958	0	6.39242
587	15	0.047925	0	5.34437
1127	31	0.022431	0	7.32955
419	12	0.04427	0	5.52455
591	17	0.047916	0	5.34504
604	14	0.046795	0	5.39373
623	17	0.039786	0	5.77502
1097	27	0.009481	0	10.7358
746	21	0.030049	0	6.47031
487	10	0.042602	0	5.61533
747	18	0.041348	0	5.68215
1095	27	0.035893	0	6.02781
772	21	0.048534	0	5.31885
968	24	0.020091	0	7.68259
656	14	0.046963	0	5.38687
748	21	0.04563	0	5.45533
836	23	0.034224	0	6.14273
618	15	0.046883	0	5.38942
764	21	0.030861	0	6.40176
725	20	0.024037	0	7.10714
1019	23	0.013718	0	9.059
460	13	0.04999	0	5.24791
858	24	0.02101	0	7.53901
378	11	0.029828	0	6.49565
935	26	0.030985	0	6.38717
1070	25	0.030446	0	6.43372
1070	25	0.030446	0	6.43372
564	16	0.02741	0	6.71768
587	11	0.045241	0	5.47551

875	24	0.029069	0	6.5607
442	13	0.044985	0	5.48745
828	23	0.047907	0	5.34605
651	18	0.033342	0	6.1982
688	20	0.033342	0	6.19828
695	13	0.017637	0	8.11149
688	17	0.039168	0	5.8142
602	15	0.043467	0	5.56125
590	16	0.048852	0	5.29969
620	17	0.023305	0	7.20963
498	14	0.032803	0	6.24875
667	15	0.034966	0	6.0932
592	17	0.048446	0	5.32222
694	18	0.034692	0	6.11259
599	17	0.045647	0	5.45384
423	12	0.031347	0	6.36024
863	24	0.034957	0	6.09646
846	24	0.02605	0	6.88432
417	12	0.047166	0	5.37832
839	24	0.023658	0	7.16072
650	19	0.035707	0	6.04001
790	22	0.020012	0	7.69778
587	17	0.047678	0	5.35852
935	21	0.005844	0	13.3479
601	14	0.044526	0	5.50858
1061	26	0.024117	0	7.09767
679	19	0.041737	0	5.66603
591	12	0.044764	0	5.49816
591	12	0.044764	0	5.49816
681	19	0.049072	0	5.29192
630	13	0.049814	0	5.25657
866	21	0.032565	0	6.26408
866	21	0.032565	0	6.26408
610	10	0.035831	0	6.03307
829	23	0.037561	0	5.9094
1967	50	0.016455	0	8.34281
616	17	0.046177	0	5.42302
990	20	0.016605	0	8.31185
990	20	0.016605	0	8.31185
596	11	0.049867	0	5.25336
640	18	0.046177	0	5.42299
782	22	0.033509	0	6.18558
639	18	0.048878	0	5.29778
639	18	0.048878	0	5.29778
1101	31	0.017752	0	8.09361
682	20	0.030217	0	6.45407
626	18	0.017117	0	8.21118

626	18	0.017117	0	8.21118
492	14	0.040218	0	5.74733
602	17	0.049575	0	5.2699
995	24	0.035125	0	6.08197
662	19	0.013762	0	9.04698
670	19	0.048075	0	5.33574
753	21	0.048763	0	5.30327
830	23	0.023428	0	7.19008
944	25	0.035566	0	6.05336
972	28	0.024391	0	7.06636
622	14	0.038779	0	5.84016
693	19	0.035955	0	6.02155
592	17	0.049443	0	5.27556
819	22	0.033245	0	6.20997
592	11	0.046327	0	5.41466
612	15	0.044853	0	5.49407
1051	18	0.022016	0	7.38938
585	16	0.04194	0	5.65444
602	12	0.04164	0	5.67089
602	12	0.04164	0	5.67089
477	14	0.049319	0	5.28237
877	25	0.049072	0	5.29242
416	12	0.049902	0	5.25241
802	23	0.023984	0	7.11591
1036	23	0.021663	0	7.44048
816	23	0.045921	0	5.43968
758	21	0.033377	0	6.19506
870	24	0.022139	0	7.37279
537	13	0.044147	0	5.53018
640	17	0.047925	0	5.34411
612	17	0.049567	0	5.26999
757	20	0.029175	0	6.54992
757	20	0.029175	0	6.54992
468	14	0.049964	0	5.24855
617	13	0.046097	0	5.43051
587	17	0.048163	0	5.33289
679	19	0.048454	0	5.32109
849	23	0.02658	0	6.81144
846	24	0.023958	0	7.1211
846	24	0.023958	0	7.1211
863	23	0.042355	0	5.63602
919	25	0.029837	0	6.49417
674	17	0.035902	0	6.02435
1050	27	0.011705	0	9.72978
902	25	0.020665	0	7.60166
881	25	0.030799	0	6.40687
1576	33	0.004343	0	15.0886

1014	29	0.030243	0	6.45168
620	18	0.034869	0	6.10228
590	17	0.044138	0	5.5305
810	23	0.016525	0	8.32187
935	26	0.0259	0	6.89836
606	17	0.041869	0	5.65872
1095	30	0.017867	0	8.0715
1224	34	0.024699	0	7.0361
732	20	0.049637	0	5.26582
599	17	0.048852	0	5.29958
693	15	0.033633	0	6.17653
618	17	0.049726	0	5.26138
1056	22	0.011105	0	9.97196
991	21	0.046583	0	5.40155
614	11	0.048331	0	5.32666
1263	29	0.024708	0	7.03467
1098	31	0.00572	0	13.507
675	17	0.029113	0	6.5553
682	19	0.032079	0	6.29745
682	19	0.032079	0	6.29745
1145	32	0.021168	0	7.52021
936	27	0.021116	0	7.52538
600	16	0.04058	0	5.72374
587	17	0.045223	0	5.4767
1045	25	0.021557	0	7.45533
899	21	0.03358	0	6.18012
816	19	0.048807	0	5.30148
816	19	0.048807	0	5.30148
797	23	0.03471	0	6.11136
465	13	0.027833	0	6.67309
835	23	0.025856	0	6.90339
631	11	0.047598	0	5.36269
664	14	0.023984	0	7.11594
648	13	0.047033	0	5.38444
639	13	0.023534	0	7.17795
1061	30	0.023887	0	7.12856
741	21	0.016764	0	8.28161
708	20	0.046609	0	5.40044
628	13	0.049284	0	5.28316
676	19	0.035884	0	6.02895
1122	26	0.01062	0	10.1709
746	16	0.03328	0	6.20653
746	16	0.03328	0	6.20653
609	11	0.041269	0	5.68459
541	15	0.038391	0	5.86354
590	14	0.044729	0	5.49993
754	19	0.046556	0	5.40275



592	16	0.048587	0	5.31546
980	27	0.029299	0	6.53817
980	27	0.029299	0	6.53817
893	23	0.03614	0	6.00929
571	16	0.033677	0	6.17265
950	26	0.024408	0	7.06543
599	10	0.02741	0	6.7194
605	17	0.04382	0	5.54857
600	15	0.044985	0	5.48752
628	15	0.02793	0	6.65774
652	15	0.04081	0	5.70957
652	15	0.04081	0	5.70957
618	18	0.045974	0	5.43615
604	17	0.046203	0	5.42047
958	21	0.022307	0	7.34728
937	26	0.018017	0	8.05435
735	21	0.045488	0	5.46218
882	17	0.030411	0	6.4351
783	22	0.043087	0	5.58475
639	18	0.045232	0	5.47581
657	19	0.031841	0	6.31996
708	20	0.029104	0	6.55614
631	15	0.024858	0	7.02167
496	11	0.034021	0	6.15976
657	17	0.033598	0	6.17821
1074	29	0.034586	0	6.12057
380	11	0.043202	0	5.57697
712	20	0.020957	0	7.55324
704	20	0.031673	0	6.33255
588	15	0.044023	0	5.53652
965	26	0.024196	0	7.09341
595	17	0.043237	0	5.57305
822	23	0.048754	0	5.30513
624	15	0.037243	0	5.93455
770	17	0.035125	0	6.08264
567	10	0.023252	0	7.21683
1786	44	0.007362	0	12.0136
1786	44	0.007362	0	12.0136
662	19	0.046671	0	5.39834
1165	32	0.017805	0	8.08451
1328	37	0.021151	0	7.52159
764	20	0.045241	0	5.47515
602	17	0.048587	0	5.31691
1142	32	0.024346	0	7.07148
610	17	0.039592	0	5.78644
761	19	0.034975	0	6.093
617	10	0.043193	0	5.57738

423	12	0.049796	0	5.25751
552	13	0.046345	0	5.41369
594	16	0.049214	0	5.28665
826	23	0.020409	0	7.62332
1219	34	0.023826	0	7.13486
616	17	0.046706	0	5.39744
708	19	0.013436	0	9.13242
883	25	0.002313	0	20.2254
603	16	0.047916	0	5.3454
618	16	0.031135	0	6.37446
798	21	0.032132	0	6.29339
964	25	0.017426	0	8.15647
602	14	0.040898	0	5.70417
636	14	0.038135	0	5.87279
617	18	0.04713	0	5.38001
615	14	0.040748	0	5.71303
719	20	0.029175	0	6.55168
620	18	0.024876	0	7.01923
795	22	0.020921	0	7.55917
646	15	0.030614	0	6.42002
856	23	0.032733	0	6.25376
606	16	0.042805	0	5.60057
819	23	0.031364	0	6.35858
773	20	0.021822	0	7.40718
1098	29	0.013815	0	9.0223
792	21	0.032662	0	6.25874
1416	40	0.049893	0	5.25247
592	17	0.042363	0	5.63543
995	27	0.020347	0	7.63301
589	17	0.04992	0	5.25113
445	13	0.045744	0	5.44773
604	17	0.04691	0	5.38779
944	25	0.020745	0	7.59081
964	27	0.043193	0	5.57729
645	18	0.020983	0	7.54823
676	17	0.028186	0	6.63032
636	18	0.034145	0	6.14755
636	18	0.034145	0	6.14755
1140	32	0.031973	0	6.30957
978	27	0.021407	0	7.48102
978	27	0.021407	0	7.48102
841	18	0.015016	0	8.67945
647	18	0.045471	0	5.46303
740	21	0.049364	0	5.27824
1013	29	0.035222	0	6.07035
793	22	0.035752	0	6.03763
648	19	0.044809	0	5.49693

722	20	0.030464	0	6.43149
901	25	0.025741	0	6.91695
601	15	0.049319	0	5.28144
825	22	0.034516	0	6.12581
613	16	0.044058	0	5.53403
609	16	0.04615	0	5.42592
814	21	0.033642	0	6.17561
1155	32	0.014963	0	8.70109
791	21	0.027816	0	6.67432
595	17	0.04834	0	5.32648
617	12	0.04683	0	5.39235
851	22	0.041075	0	5.69583
620	18	0.048075	0	5.33576
875	25	0.027401	0	6.72003
882	24	0.035045	0	6.08643
584	16	0.045577	0	5.45859
712	20	0.030005	0	6.47416
550	13	0.049425	0	5.27678
742	21	0.033465	0	6.18873
832	23	0.024205	0	7.09209
744	21	0.017443	0	8.14824
784	22	0.021133	0	7.52431
741	20	0.042867	0	5.59774
656	18	0.039132	0	5.81869
867	23	0.023887	0	7.12755
435	11	0.034304	0	6.13864
645	17	0.048754	0	5.30367
704	20	0.016684	0	8.30215
607	10	0.043484	0	5.56004
1107	29	0.048728	0	5.30646
652	18	0.043087	0	5.58497
857	20	0.014919	0	8.71758
692	16	0.034542	0	6.12483
661	15	0.043476	0	5.56074
593	15	0.043175	0	5.57893
473	12	0.030146	0	6.45859
1100	27	0.031673	0	6.33283
634	17	0.049319	0	5.28241
615	12	0.048878	0	5.29792
678	20	0.032891	0	6.2419
723	14	0.022757	0	7.2939
604	16	0.033121	0	6.21965
662	12	0.046389	0	5.41153
703	20	0.035831	0	6.03276
637	15	0.041198	0	5.68704
606	12	0.046124	0	5.4297
614	17	0.04984	0	5.25483

774	15	0.049902	0	5.25217
842	24	0.029978	0	6.47642
597	15	0.049575	0	5.2693
617	16	0.024276	0	7.08606
586	17	0.039945	0	5.76152
1110	30	0.018776	0	7.92311
597	17	0.049884	0	5.25254
1055	30	0.013294	0	9.18223
1448	36	0.014724	0	8.77334
378	11	0.04465	0	5.50332
1055	30	0.013815	0	9.02181
841	24	0.030146	0	6.45818
611	18	0.036052	0	6.01641
1615	39	0.035328	0	6.06354
1077	30	0.030861	0	6.40244
896	20	0.033518	0	6.1853
580	16	0.045179	0	5.47958
580	16	0.045179	0	5.47958
731	18	0.031947	0	6.31187
559	13	0.04984	0	5.2554
690	13	0.030278	0	6.44923
649	18	0.047386	0	5.37175
725	14	0.043988	0	5.53783
775	21	0.030499	0	6.42982
909	22	0.044438	0	5.51427
623	17	0.023781	0	7.1416
653	17	0.019924	0	7.70877
694	19	0.03426	0	6.14128
599	11	0.043167	0	5.58081
860	20	0.035319	0	6.0652
783	22	0.009878	0	10.4832
596	17	0.027807	0	6.67714
639	13	0.035125	0	6.08203
656	19	0.04359	0	5.55557
586	16	0.048666	0	5.31038
857	23	0.034869	0	6.10071
1658	46	0.031338	0	6.36172
695	19	0.038647	0	5.84545
695	19	0.038647	0	5.84545
602	17	0.049161	0	5.28858
2065	57	0.013127	0	9.25121
1084	30	0.024523	0	7.05641
606	12	0.046892	0	5.38906
618	17	0.032194	0	6.28712
1005	25	0.003628	0	16.5513
584	13	0.048666	0	5.30945
708	18	0.018273	0	8.01165

888	25	0.047448	0	5.36819
640	18	0.042134	0	5.64778
839	22	0.019933	0	7.70807
991	22	0.033165	0	6.21559
572	11	0.048587	0	5.31715
782	21	0.023128	0	7.23574
987	21	0.031135	0	6.37401
607	13	0.048754	0	5.3049
624	18	0.031735	0	6.3291
692	20	0.015854	0	8.46111
759	20	0.031929	0	6.31317
639	13	0.036149	0	6.00851
596	13	0.032009	0	6.30505
822	22	0.045285	0	5.4705
872	24	0.035372	0	6.06206
1080	28	0.031046	0	6.38007
974	22	0.016304	0	8.37342
831	22	0.032565	0	6.26588
630	12	0.033324	0	6.19926
590	14	0.042469	0	5.62813

## Gene List WT H3K9me3 Control Diet

chromosome	feature start	feature end	feature	chromosome	region start	region end
1	193768741	193781114	NM_181796	chr1	193780169	193780850
1	192875592	192889955	NM_007498	chr1	192882673	192883623
1	191860602	191877468	NM_008937	chr1	191873644	191874266
1	189956811	189965322	NM_021408	chr1	189958542	189959174
1	189692647	189701224	NM_011935	chr1	189695841	189696527
1	188655296	188670703	NM_033077	chr1	188668519	188670432
1	188655296	188670703	NM_033077	chr1	188667023	188668289
1	188655296	188670703	NM_033077	chr1	188657780	188658562
1	187149636	187158785	NM_001033286	chr1	187156741	187157678
1	186502357	186517985	BC028441	chr1	186502385	186503068
1	183183303	183192176	NM_028408	chr1	183190286	183191161
1	182399648	182408149	NM_007415	chr1	182404358	182404967
2	181787852	181796351	NM_025901	chr2	181793359	181794257
2	181386310	181394833	NM_028125	chr2	181388033	181388767
2	181288335	181297422	NM_144894	chr2	181293373	181294154
2	181292247	181300768	NM_029702	chr2	181293373	181294154
2	181110712	181119270	NM_025598	chr2	181118364	181119140
2	180890673	180899193	NM_145760	chr2	180895375	180895989
2	180569391	180578099	NM_178254	chr2	180573186	180573964
2	180569391	180578099	NM_178254	chr2	180572144	180572696
2	180569391	180578099	NM_178254	chr2	180570389	180571097
1	180359800	180368636	NM_177724	chr1	180364894	180365714
1	178645335	178654064	NM_029756	chr1	178645450	178646259
2	178354015	178362514	NM_198656	chr2	178361869	178362465
2	178334567	178349615	NM_177191	chr2	178347110	178347983
1	177459754	177468263	NM_010209	chr1	177468232	177468954
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	10	10768647	10778546	NM_016976	chr10	10769604	10770672
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	11	3544467	3562794 BC057363	chr11	3544493	3545296
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Y		1946029	1954528 NM_011564	chrY	1951815	1952535
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Y_random		1402748	1411247 NM_001037748	chrY_random	1408505	1409670
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gene overlap percent	region overlap percent	length(bps)	probes in region	p-value(region)	
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0.0662072		1	951	21	0.025132
0.036936		1	623	17	0.0475539
0.0743656		1	633	16	0.0370668
0.0800886		1	687	18	0.043864
0.124221		1	1914	53	0.00659416
0.08223		1	1267	29	0.0361222
0.0508178		1	783	21	0.0301372
0.102514		1	938	27	0.0249643
0.0437648		1	684	12	0.0481718
0.0987154		1	876	25	0.0476951
0.0717478		1	610	14	0.0414717
0.105765		1	899	25	0.0496637
0.0862271		1	735	17	0.0304197
0.0860475		1	782	22	0.0322558
0.0917625		1	782	22	0.0322558
0.0907816		1	777	22	0.0378348
0.0721746		1	615	10	0.0360781
0.0894477		1	779	13	0.0156159
0.0634975		1	553	13	0.0358751
0.08141		1	709	21	0.0443142
0.0929048		1	821	21	0.0349923
0.0927835		1	810	23	0.0331562
0.0702353		1	597	15	0.0343214
0.0580769		1	874	19	0.0444025
0.00376028	0.04426		723	20	0.0275507
0.0850588		1	723	20	0.0275507
0.0461527		1	601	18	0.0449321
0.0784706		1	667	19	0.0358398
0.0694118		1	590	15	0.0465917
0.0378625		1	598	12	0.0399887
0.0364184		1	617	12	0.0445172
0.0715294		1	608	15	0.0390265
0.0862353		1	733	21	0.0467947
0.0697647		1	593	13	0.038744
0.102471		1	871	16	0.0493371
0.0490716		1	666	19	0.0452587
0.0432239		1	702	20	0.0372963
0.105647		1	898	25	0.0351777
0.0764906		1	653	18	0.034701
0.0862536		1	955	26	0.0311877
0.135385		1	1157	30	0.00971028
0.0267612		1	604	17	0.0291838
0.0944438		1	804	23	0.0319645



0.0870994	1	742	21	0.0237637
0.0840317	1	742	21	0.0237637
0.0593885	1	507	15	0.0333592
0.0807475	1	687	17	0.0490369
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0.07	1	595	13	0.0475539
0.0885882	1	753	21	0.022775
0.0772941	1	657	19	0.0366254
0.0734278	1	627	18	0.0346392
0.0736002	1	627	18	0.0346392
0.0679566	1	583	15	0.0498932
0.0672941	1	572	13	0.0457884
0.432941	1	3680	92	0.00343391
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0.0771765	1	656	16	0.04156
0.107529	1	1004	28	0.0375964
0.0886794	1	828	23	0.0422309
0.0917688	1	786	21	0.0484102
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0.0705563	1	728	20	0.0291397
0.0733411	1	630	18	0.0397768
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0.0804706	1	684	19	0.035213
0.0845882	1	719	18	0.0474921
0.0721176	1	613	15	0.0445084
0.101179	1	867	24	0.017196
0.0738302	1	628	18	0.0363076
0.106631	1	907	25	0.0454
0.059375	1	608	17	0.0348599
0.0679986	1	582	11	0.0481542
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0.0945261	1	1435	34	0.0136474
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0.053542	1	780	22	0.0355661
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0.124623	1	1158	32	0.0179552
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0.0703553	1	604	17	0.0401564
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0.0765122	1	659	19	0.0402977
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0.105176	1	894	23	0.0230134
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0.405882	1	3450	89	0.00915415
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0.207882	1	1767	43	0.0111933
0.0935294	1	795	20	0.012182
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0.169954	1	1456	34	0.00899525
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0.102603	1	879	20	0.0150244
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0.136797	1	1722	44	0.0137092
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0.118824	1	1010	24	0.0373581
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0.401834	1	3594	93	0.00287777
0.10423	1	892	25	0.0440141
0.0485898	1	777	22	0.0294575
0.0836471	1	711	20	0.0483042
0.131412	1	1117	26	0.0127116
0.0762195	1	650	11	0.0328119
0.121145	1	1100	30	0.0112639
0.0781069	1	741	16	0.0385498
0.0860427	1	741	16	0.0385498
0.0809412	1	688	20	0.0464593
0.0348285	1	587	15	0.0488162
0.181531	1	1549	43	0.00892463
0.0741176	1	630	18	0.0472184
0.0835294	1	710	20	0.0306139
0.0922353	1	784	22	0.0279038
0.0691765	1	588	17	0.0324235
0.0742353	1	631	18	0.0454618
0.0742353	1	631	18	0.0396179
0.0703529	1	598	12	0.0442789
0.0695294	1	591	17	0.0411363
0.0750821	1	640	13	0.0348599
0.0751262	1	640	13	0.0348599
0.127288	1	1085	26	0.0245582
0.127362	1	1085	26	0.0245582
0.072	1	612	16	0.047598
0.0722647	1	642	17	0.0403418
0.108533	1	926	20	0.0240197
0.0711765	1	605	16	0.0476951
0.118471	1	1007	28	0.0256351
0.0866855	1	737	21	0.0457884
0.129138	1	1100	30	0.013921
0.0897135	0.694545	1100	30	0.013921
0.0770588	1	655	18	0.0448174
0.0932636	1	803	21	0.00833319
0.0620613	1	778	21	0.0389824

0.0405354	1	636	14	0.0356367
0.0748235	1	636	14	0.0356367
0.0770588	1	655	19	0.0359633
0.0575294	1	489	14	0.0258647
0.0975094	1	830	19	0.0474833
0.123968	1	1096	26	0.0246376
0.0695294	1	591	10	0.0459031
0.0674612	1	600	17	0.0441553
0.0709412	1	603	13	0.0389294
0.0395514	1	589	17	0.0332533
0.185781	0.993715	1591	38	0.0195088
0.0715868	1	614	12	0.0478275
0.0827059	1	703	20	0.0320263
0.14	1	1190	31	0.0213714
0.0665027	1	568	16	0.0470507
0.0557379	1	883	25	0.0245229
0.103059	1	876	24	0.0492399
0.114941	1	977	18	0.0152981
0.0890379	1	757	19	0.0387617
0.0718824	1	611	12	0.0337741
0.113294	1	963	21	0.00844794
0.0869412	1	739	20	0.0342067
0.108995	1	933	23	0.037826
0.110514	1	946	27	0.0183083
0.0875294	1	744	17	0.038541
0.0902892	1	768	21	0.0386999
0.0700262	1	856	20	0.0241786
0.209647	1	1782	49	0.0375611
0.212748	1	1809	43	0.00692078
0.105059	1	893	25	0.0232429
0.0671413	1	877	23	0.00569376
0.0703529	1	598	10	0.0488251
0.0372865	1	609	17	0.0286188
0.0450009	1	735	20	0.0470154
0.0524112	1	726	19	0.0381614
0.0736564	1	640	16	0.0360958
0.126235	1	1073	29	0.0378966
0.0736471	1	626	15	0.0495754
0.0348803	1	590	16	0.0445437
0.26048	1	2268	54	0.0138857
0.109765	1	933	26	0.0388411
0.111882	1	951	25	0.0307992
0.132	1	1122	26	0.0179022
0.118958	1	1014	28	0.0483484
0.0328478	1	548	16	0.0232252
0.0371082	1	599	17	0.0468035
0.04961	1	636	18	0.0382055

0.146353	1	1244	34	0.0133737
0.0712941	1	606	15	0.00863332
0.0809702	1	691	20	0.0322293
0.0581176	1	494	10	0.037976
0.0771765	1	656	18	0.0410745
0.0702924	1	601	17	0.049496
0.0405454	1	681	19	0.048622
0.0614118	1	522	15	0.0459031
0.0458433	1	729	21	0.0413217
0.0353415	1	562	16	0.0379407
0.0581326	1	777	22	0.0483042
0.0800539	1	1070	30	0.0205858
0.0712153	1	620	17	0.0364224
0.118539	1	1032	23	0.0328649
0.0921204	1	802	22	0.0403418
0.0838824	1	713	20	0.049443
0.0725882	1	617	17	0.0450204
0.115313	1	994	28	0.0257322
0.0325761	1	641	18	0.0329532
0.0399959	1	787	23	0.0497343
0.0773616	1	665	19	0.0477834
0.0216243	1	561	15	0.0411716
0.0747059	1	635	18	0.0189174
0.0657647	1	559	11	0.037208
0.0460714	1	791	17	0.0332798
0.0755315	1	643	18	0.0487103
0.0556045	1	821	17	0.0316555
0.0722454	1	676	19	0.0363959
0.060359	1	622	16	0.0470066
0.13199	1	1140	26	0.00914532
0.0638501	1	668	14	0.0247612
0.0705882	1	600	13	0.04683
0.0446276	1	655	19	0.049902
0.137826	1	1182	33	0.0388941
0.0684706	1	582	17	0.0494695
0.0621278	1	532	13	0.0470154
0.106981	1	921	21	0.00885401
0.0455931	1	389	10	0.0448968
0.0361469	1	376	11	0.0428665
0.146911	1	1253	33	0.0253968
0.0817647	1	695	20	0.0442259
0.138308	1	1177	25	0.00901291
0.137629	1	1177	25	0.00901291
0.131647	1	1119	29	0.04156
0.0570588	1	485	14	0.0273918
0.122988	1	1047	24	0.0262354
0.0430968	1	722	19	0.0348511

0.0905278	1	777	18	0.0373581
0.0918071	1	790	20	0.0358398
0.0891765	1	758	19	0.0258117
0.0644706	1	548	14	0.0476775
0.188235	1	1600	33	0.018529
0.128018	1	1108	30	0.0340301
0.105765	1	899	22	0.0369785
0.0892941	1	759	15	0.0496548
0.0737647	1	627	18	0.0426105
0.138235	0.991561	1185	28	0.00863332
0.0717925	1	620	13	0.0488162
0.0817508	1	706	20	0.0475009
0.0601135	1	625	13	0.0453558
0.108118	1	919	24	0.0364665
0.0795294	1	676	19	0.0474744
0.165294	0.953836	1473	42	0.0120496
0.0984706	1	837	23	0.0380202
0.0715294	1	608	17	0.0479511
0.0908235	1	772	20	0.0353807
0.084	1	714	20	0.0434226
0.263647	1	2241	62	0.00651472
0.0736471	1	626	14	0.0460885
0.104941	1	892	24	0.0463887
0.0971765	1	826	23	0.0383644
0.231529	1	1968	55	0.0039106
0.0708235	1	602	17	0.048366
0.0716471	1	609	18	0.0480306
0.0697237	1	593	11	0.0414541
0.0347459	1	774	22	0.0176639
0.0706441	1	714	20	0.0379407
0.103024	1	896	25	0.0156424
0.100031	1	968	27	0.0298988
0.239519	0.773503	2755	77	0.00726506
0.284696	1	2755	77	0.00726506
0.094751	1	843	19	0.0157836
0.0871138	1	843	19	0.0157836
0.128941	1	1096	28	0.0243022
0.0391555	1	727	20	0.0364577
0.0413068	1	727	20	0.0364577
0.11693	1	998	27	0.0214156
0.138	1	1173	27	0.0240462
0.100818	1	912	26	0.0316467
0.118288	1	1009	23	0.00797126
0.075886	0.997368	1140	32	0.034701
0.0854142	1	732	21	0.0347098
0.0554224	1	601	17	0.0464946
0.0706228	1	601	17	0.0464946

0.118471	1	1007	27	0.0258735
0.0769319	1	667	17	0.0335005
0.0723613	1	665	19	0.0373493
0.0501176	1	426	12	0.0376582
0.0629766	1	958	27	0.0317791
0.0931765	1	792	22	0.0376406
0.0524962	1	653	18	0.0353189
0.0698357	1	595	16	0.0483307
0.0432043	1	816	23	0.013921
0.0764426	1	722	16	0.0388853
0.0585106	1	858	20	0.0328119
0.068402	1	586	15	0.0495666
0.0726441	1	619	18	0.0417101
0.0825455	1	716	18	0.0340213
0.0939066	1	843	23	0.0234018
0.138044	1	1180	30	0.0310817
0.0711717	1	673	20	0.0295722
0.0692682	1	655	19	0.0338271
0.115186	1	980	26	0.0235342
0.0404363	1	456	13	0.0369432
0.0759508	1	649	18	0.0361134
0.109102	1	935	24	0.0182906
0.121647	1	1034	20	0.0330061
0.0955392	1	816	22	0.0377377
0.105765	1	899	25	0.0266503
0.106692	1	912	21	0.0245847
0.0982339	1	1207	28	0.0132325
0.0892	1	1096	29	0.0153422
0.136471	1	1160	33	0.0250878
0.0677647	1	576	11	0.0244258
0.258941	1	2201	54	0.0104341
0.161529	1	1373	36	0.00921594
0.0779541	1	663	19	0.0360516
0.0945882	1	804	17	0.0389294
0.0761547	1	648	18	0.0454176
0.1235	1	1070	30	0.0188115
0.0707059	1	601	14	0.0496637
0.113882	1	968	27	0.033933
0.138506	1	1187	33	0.0243816
0.0750292	1	643	14	0.0447291
0.0354979	1	586	17	0.0471831
0.0849144	1	734	20	0.0295016
0.0661864	1	588	17	0.0404566
0.0636915	1	588	17	0.0404566
0.0811285	1	693	20	0.0366695
0.123859	1	1058	30	0.0215303
0.0670803	1	573	16	0.0425575



0.111215	1	950	26	0.0238255
0.0845286	1	719	21	0.0257322
0.0784706	1	667	15	0.0412334
0.078	1	663	14	0.0292279
0.150588	1	1280	36	0.0181847
0.0969364	1	829	16	0.0238873
0.0582353	1	495	14	0.0390265
0.0684614	1	590	15	0.0425045
0.0777634	1	662	19	0.0322558
0.0775539	1	662	19	0.0322558
0.0598862	1	958	26	0.0211331
0.0890822	1	758	21	0.0335005
0.0355088	1	858	24	0.0369167
0.0678265	1	577	10	0.0329178
0.0393066	1	678	19	0.0392472
0.0697647	1	593	17	0.0485955
0.0785882	1	668	19	0.0353454
0.0447301	1	668	19	0.0353454
0.0684706	1	582	10	0.0414011
0.063572	1	593	14	0.0488604
0.10581	1	987	26	0.0132148
0.0682693	1	585	12	0.0458414
0.0971765	1	826	23	0.0240992
0.0723529	1	615	13	0.0464505
0.142706	1	1213	31	0.0178934
0.116235	1	988	28	0.0361311
0.187399	1	1621	45	0.00580851
0.0865531	1	737	15	0.0213626
0.0376197	1	593	14	0.0471831
0.0876471	1	745	21	0.0245229
0.0987741	1	846	24	0.0472361
0.0695734	1	592	17	0.0476775
0.144252	1	1241	34	0.0231723
0.0496947	1	586	10	0.0440935
0.0782659	1	677	16	0.0337123
0.07	1	595	17	0.0436786
0.0727059	1	618	16	0.0214244
0.074	1	629	18	0.0423545
0.0589524	1	592	17	0.0488604
0.0686184	1	593	17	0.0488251
0.0448235	1	381	11	0.0472891
0.0696471	1	592	17	0.0451087
0.0675988	1	614	15	0.0459826
0.0709412	1	603	17	0.0448703
0.0893588	1	786	19	0.0364224
0.124375	1	1095	31	0.0474215
0.0896471	1	762	21	0.0140976

0.109168	1	1130	26	0.0170813
0.0790894	1	674	16	0.0140358
0.0641868	1	547	12	0.0408714
0.0591972	1	615	17	0.0446496
0.0863026	1	746	21	0.0482336
0.141647	1	1204	27	0.037314
0.0723769	1	616	17	0.0431313
0.13	1	1105	29	0.0262001
0.0662594	1	564	13	0.0467153
0.127294	1	1082	26	0.0178581
0.0832941	1	708	17	0.0447291
0.0797647	1	678	19	0.0465122
0.0734118	1	624	18	0.0459561
0.109412	1	930	26	0.0215833
0.0510247	1	727	18	0.0377377
0.0759196	1	646	18	0.0438287
0.08	1	680	19	0.0486397
0.101647	1	864	24	0.037976
0.154471	1	1313	37	0.00986918
0.051739	1	601	16	0.0473244
0.0951656	1	813	19	0.0358486
0.114273	1	1020	26	0.0250702
0.0902591	1	770	20	0.0258823
0.0787059	1	669	18	0.0496107
0.0757647	1	644	17	0.0426811
0.114353	1	972	28	0.0494253
0.117633	1	1000	25	0.0189439
0.135647	1	1153	30	0.0134178
0.119529	1	1016	29	0.0389824
0.121294	1	1031	29	0.0168253
0.0698824	1	594	17	0.0448703
0.0654783	1	562	15	0.0446938
0.0715368	1	614	18	0.039565
0.103864	1	887	25	0.0240285
0.080445	1	687	19	0.0458943
0.135551	1	1153	26	0.0257058
0.0695652	1	592	17	0.0470684
0.0656386	1	664	19	0.0364665
0.0781176	1	664	19	0.0364665
0.0695294	1	591	17	0.044835
0.0716471	1	609	17	0.0486838
0.0785377	1	681	19	0.0361664
0.0724706	1	616	10	0.030711
0.135765	1	1154	30	0.0180435
0.0584403	1	619	17	0.0493635
0.0704706	1	599	15	0.0458678
0.0523529	1	445	13	0.0462209

0.0709428	1	605	14	0.0436521
0.0674937	1	593	17	0.0479688
0.0699064	1	620	10	0.040792
0.0689412	1	586	17	0.0492046
0.0465882	1	396	10	0.0485426
0.0672107	1	593	13	0.0479953
0.0772941	1	657	19	0.0388146
0.0932941	1	793	22	0.0361487
0.0689412	1	586	17	0.0235872
0.109061	1	928	26	0.0378348
0.0609412	1	518	13	0.0295987
0.0686137	1	585	10	0.0406066
0.0448378	1	651	14	0.0469271
0.0626911	1	533	15	0.0389824
0.0866824	1	990	27	0.0243463
0.132124	1	1129	30	0.0249289
0.08	1	680	19	0.0475098
0.129529	1	1101	30	0.0132325
0.0817647	1	695	20	0.0258735
0.121765	1	1035	29	0.0264208
0.0932941	1	793	23	0.0387617
0.0737647	1	627	18	0.0470949
0.136353	1	1159	33	0.0160661
0.0996471	1	847	24	0.0389382
0.0623606	1	587	16	0.049646
0.0705882	1	600	17	0.0492753
0.060937	1	519	15	0.0481453
0.0801177	1	681	19	0.0402359
0.0935294	1	795	23	0.0179552
0.0531765	1	452	12	0.0488604
0.112824	1	959	27	0.0189527
0.0997647	1	848	24	0.0474038
0.117474	1	999	26	0.0254586
0.0527552	1	584	10	0.0438728
0.0706905	1	602	11	0.0302519
0.0406294	1	346	10	0.026818
0.130695	1	1113	20	0.00643527
0.136	1	1156	32	0.0236048
0.0789381	1	672	18	0.0419925
0.118	1	1003	28	0.0211331
0.0728235	1	619	18	0.0437492
0.0763492	1	962	27	0.00920711
0.0725882	1	617	13	0.0493017
0.0984358	1	837	20	0.0428135
0.122472	1	1290	35	0.0287777
0.112805	1	962	21	0.0183789
0.0615017	1	670	19	0.047448

0.0917485	1	785	21	0.0320263
0.0494821	1	621	18	0.0291926
0.0700575	1	646	16	0.0387175
0.0815294	1	693	19	0.0105842
0.0949412	1	807	21	0.0349217
0.0805189	1	689	19	0.0350365
0.101765	1	865	24	0.0338094
0.234235	1	1991	56	0.0104871
0.0512164	1	640	13	0.0454176
0.0708235	1	602	11	0.0471655
0.0823141	1	1373	38	0.0371992
0.0777647	1	661	18	0.0333945
0.135294	1	1150	32	0.00840381
0.0708754	1	604	17	0.0479158
0.0963529	1	819	23	0.0258029
0.0921605	1	790	22	0.0261118
0.0705882	1	600	14	0.0498579
0.0836471	1	711	20	0.0469007
0.205294	1	1745	48	0.0174432
0.136941	1	1164	32	0.0219629
0.0877647	1	746	21	0.0242845
0.104235	1	886	25	0.0252114
0.0874118	1	743	21	0.0356191
0.118365	1	1008	28	0.0233047
0.0475343	1	961	27	0.0120761
0.134588	1	1144	32	0.0166046
0.115882	1	985	28	0.0343921
0.0401752	1	587	16	0.0381438
0.0654695	1	587	16	0.0381438
0.0679111	1	593	17	0.0499903
0.07	1	595	17	0.0494695
0.0741176	1	630	18	0.0389294
0.0255146	1	414	12	0.0362017
0.0839898	1	725	20	0.0400328
0.0883529	1	751	21	0.0476598
0.069618	1	596	17	0.0497166
0.0150815	1	940	26	0.0222277
0.138837	1	1184	29	0.00569376
0.139098	1	1184	29	0.00569376
0.0104608	1	652	18	0.0355043
0.0103645	1	646	18	0.0454
0.0778823	1	662	14	0.0459385
0.0688476	1	644	18	0.0472273
0.118235	1	1005	25	0.0488251
0.0716471	1	609	16	0.0339772
0.0743529	1	632	18	0.0354867
0.0505357	1	632	18	0.0369079

0.0701176	1	596	17	0.0452941
0.0348781	1	648	18	0.0427076
0.0742353	1	631	15	0.0384792
0.07	1	595	17	0.0471478
0.0736103	1	629	18	0.044835
0.0737397	1	629	18	0.044835
0.0655609	1	585	12	0.0209654
0.0791765	1	673	18	0.031682
0.0657029	1	559	16	0.0394149
0.0987059	1	839	23	0.0360428
0.0886225	1	754	17	0.018732
0.0412481	1	1010	28	0.0356191
0.0287511	1	704	19	0.043758
0.0989625	1	868	24	0.0380202
0.101735	1	868	24	0.0380202
0.0721176	1	613	17	0.0479953
0.0714453	1	610	17	0.0467682
0.0923945	1	786	21	0.0356367
0.0765882	1	651	18	0.0436521
0.0834118	1	709	19	0.0242139
0.0434177	1	717	21	0.0377112
0.0969412	1	824	23	0.0304197
0.0767059	1	652	18	0.0435374
0.103765	1	882	25	0.0270211
0.0723499	1	617	17	0.0433343
0.0653009	1	612	14	0.0461238
0.0708235	1	602	17	0.0470949
0.121647	1	1034	27	0.0263325
0.193647	1	1646	46	0.0237284
0.0730819	1	622	18	0.0307639
0.0978824	1	832	23	0.0369079
0.0714118	1	607	17	0.0470684
0.0824706	1	701	20	0.0331562
0.0668235	1	568	15	0.0488692
0.104824	1	891	25	0.0307198
0.0689332	1	588	12	0.0485426
0.101529	1	863	23	0.0434314
0.102074	1	871	23	0.0259618
0.0698465	1	596	17	0.0429459
0.113294	1	963	27	0.0196589
0.0839873	1	717	20	0.0443407
0.0771765	1	656	15	0.034445
0.0716471	1	609	17	0.0436521
0.101242	1	864	19	0.0458149
0.0827059	1	703	20	0.0307021
0.100706	1	856	24	0.0310023
0.0995294	1	846	24	0.0224749

0.0942353	1	801	23	0.0346392
0.0916471	1	779	22	0.0299871
0.0829412	1	705	19	0.0385057
0.0730588	1	621	18	0.0217775
0.105529	1	897	19	0.0476069
0.111882	1	951	27	0.0259
0.0714118	1	607	17	0.0451263
0.0898824	1	764	19	0.0360869
0.118334	1	1043	28	0.0318674
0.0805055	1	688	19	0.0400858
0.0580507	1	866	25	0.0365018
0.0764395	1	912	15	0.0201532
0.112706	1	958	27	0.0187762
0.0965015	1	822	20	0.013718
0.0692161	1	619	16	0.0323264
0.0883373	1	790	19	0.0444819
0.0942353	1	801	21	0.00923359
0.069557	1	592	16	0.031938
0.0742353	1	631	11	0.0471831
0.0914564	1	790	22	0.0392472
0.125527	1	1071	24	0.025794
0.103412	1	879	21	0.047854
0.240301	1	2044	50	0.0189439
0.022601	1	590	15	0.0444731
0.0667799	1	590	15	0.0444731
0.0728702	1	621	18	0.0402888
0.102465	1	873	25	0.0377377
0.0959258	1	817	23	0.0315408
0.0882353	1	750	21	0.043299
0.0969412	1	824	23	0.0388764
0.0705937	1	604	16	0.037976
0.00293979	0.0413907	604	16	0.037976
0.0866971	1	741	21	0.035213
0.0406153	1	631	18	0.0416924
0.0710588	1	604	17	0.0482248
0.0723529	1	615	10	0.0497078
0.0585882	1	498	14	0.0355926
0.0894978	1	761	21	0.0475362
0.0708235	1	602	15	0.047854
0.101529	1	863	22	0.0414276
0.0579052	1	497	14	0.0491605
0.0725674	1	619	16	0.0428841
0.0723993	1	618	12	0.0472008
0.0533164	1	713	16	0.0297753
0.0804478	1	697	20	0.0294045
0.0703529	1	598	17	0.048984
0.0949918	1	808	21	0.0479776

0.0707736	1	602	16	0.0351777
0.0478391	1	735	20	0.039565
0.135412	1	1151	32	0.0260942
0.0804706	1	684	19	0.0348599
0.10194	1	867	20	0.0374287
0.0818824	1	696	18	0.0308257
0.0780717	1	664	19	0.040845
0.044251	1	732	21	0.0256616
0.0912941	1	776	22	0.0260765
0.0982936	1	841	22	0.0324941
0.132714	1	1129	27	0.0363165
0.115882	1	985	25	0.0338889
0.11275	1	1070	30	0.0389294
0.0734118	1	624	18	0.0452499
0.0809534	1	720	20	0.0441023
0.127052	1	1130	30	0.0177345
0.0715294	1	608	15	0.0493989
0.0762353	1	648	18	0.0344362
0.0524648	1	447	11	0.0486044
0.114034	1	971	24	0.0233223
0.0901091	1	768	17	0.0262531
0.0747718	1	647	18	0.0351159
0.0723145	1	618	11	0.0485955
0.0831765	1	707	20	0.0426811
0.0945882	1	804	22	0.0249731
0.257394	1	2228	60	0.0346745
0.0715294	1	608	17	0.0411363
0.0633909	1	547	11	0.0486838
0.0722767	1	627	11	0.0336417
0.0918749	1	787	22	0.0247789
0.0960065	1	827	15	0.0341449
0.0365146	1	585	13	0.0453558
0.103183	1	924	25	0.0377024
0.0530588	1	451	13	0.0419925
0.104079	1	888	18	0.0183259
0.101529	1	863	24	0.0396621
0.102672	1	876	25	0.0261736
0.0897936	1	783	21	0.0438375
0.0757647	1	644	16	0.0316555
0.0754363	1	644	16	0.0316555
0.141816	1	1206	28	0.0180346
0.0702041	1	602	12	0.0485161
0.0732424	1	623	18	0.0354867
0.0742353	1	631	17	0.0486838
0.114235	1	971	27	0.0263943
0.109817	1	971	27	0.0263943
0.0472914	1	708	20	0.0429459

0.0408122	1	611	17	0.0487456
0.0769321	1	656	15	0.0432549
0.103156	1	912	26	0.0387175
0.0803949	1	684	14	0.0302255
0.0898824	1	764	21	0.0457884
0.210235	1	1787	47	0.0108755
0.0685084	1	615	15	0.0485955
0.065672	1	559	11	0.0393002
0.0652941	1	555	16	0.0246818
0.0719062	1	613	17	0.0339154
0.0770588	1	655	19	0.0472008
0.0858824	1	730	20	0.0444996
0.119094	1	1036	26	0.0204004
0.100557	1	884	23	0.0321057
0.0818824	1	696	18	0.0418425
0.128786	1	1097	25	0.0339154
0.0796809	1	769	22	0.0375258
0.0706663	1	682	20	0.0486044
0.0742353	1	631	13	0.0300577
0.0472793	1	782	18	0.0103194
0.0749748	1	669	18	0.0338271
0.0787059	1	669	18	0.0338271
0.0416465	1	601	17	0.0410568
0.0700575	1	1011	24	0.0386116
0.0990484	1	968	27	0.0220688
0.110364	1	968	27	0.0220688
0.0683912	1	616	17	0.0442171
0.0834899	1	711	20	0.0273388
0.0725882	1	617	17	0.0464681
0.0825882	1	702	20	0.036184
0.0424372	1	716	20	0.0361134
0.0706363	1	605	17	0.046627
0.136804	1	1172	32	0.0277802
0.0694642	1	1172	32	0.0277802
0.0720374	1	617	18	0.0497078
0.0958824	1	815	22	0.0476157
0.0449215	1	655	19	0.0330326
0.0590221	0.458824	1105	31	0.0386999
0.0711765	1	605	17	0.0420808
0.109765	1	933	26	0.0351777
0.0372101	1	621	17	0.0472184
0.0893382	1	760	16	0.0298724
0.104471	1	888	20	0.0463092
0.076986	1	659	18	0.0467682
0.0598221	1	659	18	0.0467682
0.0678135	1	611	13	0.0254145
0.0568973	1	874	23	0.0238608



0.0732941	1	623	18	0.0376229
0.124825	1	1071	27	0.0102664
0.0870588	1	740	21	0.0497431
0.0834117	1	710	19	0.0339065
0.0967179	1	831	21	0.0358309
0.115767	1	989	16	0.031885
0.202449	1	1802	48	0.0358574
0.0899415	1	769	22	0.0384615
0.0882973	1	796	22	0.0366695
0.0722617	0.932388	917	26	0.0343479
0.113803	1	977	27	0.025282
0.082155	1	703	19	0.0388853
0.055294	1	599	17	0.0491252
0.0523749	1	623	16	0.0476775
0.0870588	1	740	21	0.047854
0.0844706	1	718	20	0.0449145
0.128673	1	1099	30	0.0215921
0.0829412	1	705	19	0.0498049
0.131412	1	1117	24	0.00652354
0.110118	1	936	23	0.0470331
0.117765	1	1001	27	0.0306139
0.0687149	1	624	17	0.0330591
0.0405765	1	656	18	0.0388764
0.0822353	1	699	20	0.0474215
0.112703	1	960	19	0.0165869
0.0852941	1	725	15	0.0227397
0.0404706	1	344	10	0.0466093
0.0888158	1	756	21	0.0368108
0.113884	1	972	23	0.0385498
0.0716787	1	614	12	0.0444643
0.0729301	1	621	14	0.0377642
0.0647059	1	550	13	0.0360869
0.0856471	1	728	20	0.0229869
0.0844145	1	1041	19	0.0297753
0.0695683	1	593	17	0.0275242
0.0742609	1	633	18	0.0423015
0.0701693	1	597	17	0.0368108
0.129059	1	1097	24	0.0222895
0.119602	1	1022	29	0.0235783
0.09	1	765	20	0.0257234
0.148235	1	1260	35	0.0385233
0.136852	0.950794	1260	35	0.0385233
0.0785236	1	668	14	0.0182288
0.0772986	1	665	19	0.0439964
0.12173	1	1047	18	0.0322028
0.0869656	1	830	20	0.0261736
0.121792	1	1044	23	0.0135503

0.0765882	1	651	18	0.0458149
0.0763905	1	651	18	0.0458149
0.0441896	1	813	23	0.0349923
0.0889592	1	759	21	0.0459296
0.348235	1	2960	71	0.0131883
0.260824	1	2217	62	0.0033368
0.235765	1	2004	56	0.00443142
0.275412	1	2341	59	0.00606451
0.120588	1	1025	29	0.033783
0.0789412	1	671	12	0.0347981
0.0692601	1	600	12	0.0488957
0.0442073	1	377	11	0.0378348
0.0936914	1	799	18	0.018785
0.112184	1	964	25	0.0190057
0.0921176	1	783	19	0.0249643
0.140471	1	1194	34	0.0187585
0.188706	1	1604	34	0.0183259
0.0718824	1	611	17	0.0414011
0.074	1	629	18	0.0390265
0.0939054	1	812	18	0.0290955
0.0723189	1	615	15	0.049646
0.0871355	1	741	20	0.0170989
0.0960378	1	875	22	0.0124556
0.105838	1	901	25	0.0367313
0.121289	1	1046	28	0.0386557
0.0870826	1	751	21	0.0366078
0.019208	1	341	10	0.0490457
0.106706	1	907	24	0.0368461
0.134	1	1139	32	0.0222454
0.0738824	1	628	18	0.0477658
0.0845882	1	719	21	0.0244611
0.0918824	1	781	22	0.047854
0.0807191	1	687	14	0.0128087
0.0795294	1	676	19	0.037261
0.0723529	1	615	15	0.0471302
0.0524221	1	777	17	0.0179022
0.0945279	1	805	21	0.0484102
0.0681774	1	1044	28	0.0216627
0.058643	1	898	22	0.0243993
0.102431	1	1007	28	0.0257322
0.0749412	1	637	16	0.0457884
0.0708235	1	602	17	0.0495401
0.0762353	1	648	18	0.0434844
0.149294	1	1269	31	0.00678837
0.0895294	1	761	18	0.00749457
0.0737647	1	627	13	0.0441553
0.112353	1	955	27	0.0234371

0.0665988	1	589	16	0.0483925
0.0837647	1	712	20	0.0481542
0.0782885	1	666	17	0.0319115
0.0781874	1	666	17	0.0319115
0.0460945	1	609	12	0.0464946
0.110027	1	936	23	0.0258558
0.0728235	1	619	18	0.046627
0.0303057	1	350	10	0.0480659
0.0858824	1	730	19	0.0429106
0.0704706	1	599	15	0.0496548
0.106588	1	906	25	0.0340389
0.0702353	1	597	17	0.0496548
0.0775294	1	659	18	0.0439787
0.107412	1	913	26	0.0375435
0.131412	1	1117	31	0.0200826
0.121903	1	1535	42	0.00735333
0.0917647	1	780	20	0.014892
0.0758072	1	648	14	0.0439081
0.116941	1	994	28	0.0208595
0.428471	1	3642	99	0.00722974
0.0977647	1	831	24	0.0351865
0.0877647	1	746	21	0.0341007
0.0811765	1	690	19	0.0333592
0.0260126	1	596	14	0.0472096
0.0762353	1	648	11	0.0437492
0.0692941	1	589	17	0.0445349
0.0158955	1	504	10	0.0238255
0.03746	1	620	18	0.0389647
0.0709412	1	603	17	0.0460179
0.0808235	1	687	15	0.0298547
0.0543644	1	464	13	0.00694727
0.0790366	1	676	18	0.0429018
0.00704391	0.12605	476	10	0.00997511
0.135349	1	1164	32	0.0249025
0.387674	1	3334	87	0.0076005
0.163488	1	1406	38	0.00791829
0.0787929	1	671	19	0.0403418
0.0843812	1	718	15	0.0479246
0.119647	1	1017	29	0.0329355
0.136588	1	1161	33	0.0195265
0.0745882	1	634	18	0.0486308
0.0867059	1	737	21	0.043864
0.069125	1	598	17	0.0484102
0.126235	1	1073	30	0.038285
0.158359	1	1382	34	0.0201532
0.0677918	1	960	27	0.0315849
0.0838924	1	1188	29	0.0382585

0.111372	1	947	27	0.0384792
0.175482	1	2485	68	0.00309846
0.0876471	1	745	21	0.0492576
0.167412	1	1423	39	0.0131265
0.0685882	1	583	16	0.0466623
0.0598824	1	509	15	0.0164192
0.0790588	1	672	14	0.0482248
0.121647	1	1034	29	0.0236136
0.0885882	1	753	20	0.0330414
0.0690588	1	587	17	0.0396179
0.111799	1	957	23	0.0264031
0.0922353	1	784	17	0.0387617
0.0685882	1	583	16	0.0386116
0.0494631	1	608	10	0.0201356
0.0713866	1	608	10	0.0201356
0.0711765	1	605	17	0.0410127
0.0724706	1	616	15	0.0406949
0.0782353	1	665	19	0.0401476
0.110235	1	937	25	0.0255557
0.0464353	1	594	17	0.0432725
0.048	1	408	11	0.0459473
0.114052	1	1086	26	0.0370933
0.0435713	1	713	20	0.0464946
0.0848235	1	721	20	0.0329532
0.109176	1	928	23	0.0237549
0.0912941	1	776	22	0.0375964
0.08	1	680	20	0.038488
0.123882	1	1053	28	0.0358486
0.0511622	1	843	24	0.0258029
0.056	1	476	14	0.0462033
0.120824	1	1027	23	0.0378613
0.118588	1	1008	20	0.0341802
0.155765	1	1324	37	0.0189704
0.218941	0.767423	2425	67	0.00737099
0.113222	1	1013	27	0.0451528
0.0718824	1	611	17	0.0475716
0.0976471	1	830	22	0.0296693
0.131882	1	1121	31	0.0179375
0.118706	1	1009	28	0.0235077
0.130824	1	1112	32	0.046627
0.121319	1	1034	21	0.0389294
0.0722353	1	614	17	0.0458943
0.179214	1	1545	41	0.0261118
0.117302	1	1000	22	0.0255734
0.106395	1	905	25	0.0295722
0.0715294	1	608	17	0.0486662
0.0520301	1	774	20	0.0130383

0.0630778	1	539	15	0.0483837
0.134446	1	1144	32	0.0362194
0.0912668	1	835	20	0.0260147
0.0908557	1	773	22	0.0449321
0.100235	1	852	22	0.0262089
0.0765312	1	661	18	0.0353366
0.0579063	1	635	18	0.0387529
0.0812559	1	691	19	0.0370668
0.080252	1	688	20	0.0356103
0.104706	1	890	26	0.0353366
0.0870588	1	740	14	0.0191999
0.114941	1	977	27	0.0356985
0.0715451	1	614	17	0.0474744
0.0708504	1	604	17	0.0473685
0.0710588	1	604	17	0.0473685
0.0604013	1	599	17	0.0405007
0.0623459	1	531	15	0.0494695
0.066776	1	570	11	0.035981
0.0757966	1	647	16	0.0387617
0.0891368	1	759	21	0.0470066
0.156406	1	1349	37	0.029687
0.125529	1	1067	26	0.0235872
0.125529	1	1067	26	0.0235872
0.0969412	1	824	20	0.0124203
0.0633224	1	539	15	0.0495401
0.0560701	1	896	25	0.022113
0.0645769	1	754	17	0.0253968
0.0599636	1	758	16	0.0238343
0.0527987	1	449	13	0.0475274
0.0911336	1	775	22	0.0349835
0.0808176	1	688	20	0.0384704
0.130333	1	1109	27	0.0379319
0.0448077	1	381	10	0.048675
0.047764	1	408	11	0.044782
0.0666042	1	569	12	0.0480571
0.10007	1	1577	40	0.00549955
0.0519703	1	819	23	0.0468212
0.188118	1	1599	41	0.00451087
0.0700869	1	597	10	0.048675
0.07	1	595	15	0.0408979
0.034719	1	598	17	0.0480571
0.0806906	1	687	19	0.0315849
0.108455	1	980	27	0.0260589
0.127647	1	1085	30	0.0176374
0.114156	1	983	25	0.0453558
0.0532817	1	1087	25	0.0254056
0.218525	1	1878	44	0.0323794

0.0809048	1	769	18	0.0259441
0.0710004	1	604	12	0.0465652
0.0698824	1	594	17	0.0458678
0.0554927	1	883	25	0.0381173
0.0774929	1	659	16	0.0449321
0.0365061	1	601	17	0.0492311
0.0475005	1	782	16	0.0317085
0.10645	1	911	23	0.0137798
0.221714	1	1889	44	0.00565844
0.0590959	1	587	17	0.0485602
0.100941	1	858	24	0.0263943
0.0741176	1	630	16	0.0334563
0.123408	1	1095	30	0.0128705
0.0716471	1	609	15	0.0480747
0.0943529	1	802	22	0.0376406
0.0970588	1	825	23	0.0456207
0.0314626	1	518	15	0.0468212
0.140536	1	1237	33	0.0290426
0.106118	1	902	25	0.0248848
0.0770588	1	655	18	0.0373581
0.119291	1	1016	28	0.0217422
0.103647	1	881	23	0.019041
0.0535898	1	468	10	0.0468389
0.180824	1	1537	41	0.0234547
0.0697299	1	604	11	0.0265179
0.111059	1	944	21	0.0180876
0.0827953	1	731	20	0.0240727
0.109072	1	963	27	0.0363782
0.0857647	1	729	20	0.0362194
0.0756471	1	643	18	0.040739
0.091155	1	775	16	0.0262089
0.0692105	1	604	17	0.0478893
0.0570169	1	1617	40	0.00573789
0.0260578	1	739	21	0.035213
0.0308181	1	874	25	0.0264296
0.0383639	1	1088	31	0.0325559
0.0349788	1	992	28	0.0251143
0.0159732	1	453	13	0.0468035
0.0441114	1	1251	35	0.0067972
0.075814	1	652	19	0.0388235
0.0717442	1	617	17	0.0475009
0.0682189	1	586	16	0.0300136
0.0743773	1	636	16	0.0462651
0.0985187	1	838	21	0.0313377
0.205834	1	1750	49	0.0166929
0.0885898	1	757	21	0.0133825
0.107647	1	915	25	0.0326001

0.0730562	1	638	18	0.0422839
0.0721565	1	616	17	0.0392472
0.0558824	1	475	13	0.0329002
0.0692941	1	589	13	0.0438993
0.124353	1	1057	29	0.0261736
0.0543928	1	486	13	0.047854
0.0454847	1	890	17	0.0183789
0.0491803	1	423	12	0.0456913
0.0608138	1	683	17	0.0362458
0.0882353	1	750	21	0.0479246
0.0334419	1	688	20	0.0329443
0.0745802	1	644	18	0.0445525
0.0569285	1	774	22	0.0249731
0.0640171	1	1411	36	0.00736216
0.0315321	1	695	20	0.0388411
0.0902221	1	776	22	0.0366254
0.0606845	1	516	15	0.0135856
0.126043	1	1073	29	0.0389294
0.0395868	1	594	15	0.0477216
0.0645863	1	594	15	0.0477216
0.0708235	1	602	17	0.0437492
0.0463529	0.539726	730	18	0.0294398
0.0784706	1	667	19	0.0490457
0.170706	1	1451	41	0.0258029
0.08	1	680	19	0.0482866
0.0914118	1	777	20	0.0344803
0.112235	1	954	27	0.044579
0.118941	1	1011	28	0.025132
0.103765	1	882	23	0.0462474
0.0537647	1	457	13	0.0434579
0.0967059	1	822	23	0.0261913
0.109765	1	933	21	0.0270475
0.304471	1	2588	67	0.0189086
0.124118	1	1055	29	0.0336682
0.0940112	1	821	23	0.0348599
0.0689412	1	586	17	0.046627
0.0517647	1	440	13	0.0371992
0.118118	0.971926	1033	29	0.01039
0.0747059	1	635	18	0.0454176
0.0717642	1	611	17	0.0449321
0.111267	1	952	27	0.0172225
0.0828235	1	704	17	0.0133296
0.0727059	1	618	18	0.040227
0.0911765	1	775	22	0.025282
0.0741176	1	630	18	0.0437845
0.088	1	748	22	0.0246906
0.0478322	1	684	19	0.0459385

0.0699252	1	598	16	0.0413305
0.106353	1	904	23	0.038541
0.0964706	1	820	23	0.0228809
0.049739	1	667	15	0.0301548
0.0778933	1	667	15	0.0301548
0.0506946	1	759	40	0.0373846
0.0395905	1	611	11	0.0394502
0.0938416	1	800	21	0.0270475
0.0790588	1	672	19	0.0360958
0.0456238	1	882	21	0.0189792
0.0771765	1	656	19	0.0441023
0.0370691	1	642	16	0.0361399
0.0426507	0.986413	368	11	0.0238785
0.00847059	0.118421	608	16	0.0446938
0.0709783	1	608	16	0.0446938
0.103412	1	879	25	0.0381791
0.0961246	1	821	21	0.028663
0.0389006	1	627	13	0.0477658
0.0722498	1	641	18	0.0375347
0.0763538	1	650	15	0.0434226
0.0813717	1	719	16	0.0443583
0.0941835	1	808	23	0.0350365
0.100423	1	854	23	0.0469271
0.0911765	1	775	17	0.0445084
0.100588	1	855	20	0.0221747
0.0701657	1	635	18	0.0381879
0.0650129	1	553	16	0.0287777
0.115656	1	984	27	0.0473773
0.0786728	1	671	15	0.0277626
0.0777647	1	661	19	0.0389559
0.0717647	1	610	17	0.0473244
0.0705121	1	610	17	0.0473244
0.107529	1	914	25	0.0346922
0.0718824	1	611	16	0.0317526
0.0164348	1	638	17	0.0254145
0.0693252	1	638	17	0.0254145
0.0445422	1	719	15	0.0256175
0.0790805	1	719	15	0.0256175
0.0278696	1	523	15	0.0349658
0.0715609	1	618	14	0.0438728
0.0690663	1	591	16	0.0378613
0.0865836	1	757	20	0.0278773
0.0735656	1	627	16	0.0398122
0.0961176	1	817	17	0.035213
0.0574118	1	488	12	0.0488604
0.0271985	1	750	20	0.0442789
0.12257	1	1053	29	0.0334828



0.0980279	0.912017	932	26	0.0255204
0.095629	1	932	26	0.0255204
0.0725957	1	622	13	0.0465122
0.0667269	1	591	15	0.0466447
0.0725882	1	617	13	0.0472714
0.101229	1	865	24	0.0377377
0.0341242	1	850	24	0.024823
0.0570146	1	851	24	0.0485955
0.0540667	1	807	22	0.0455059
0.0373467	1	679	19	0.0488515
0.054	1	459	13	0.037976
0.0753162	1	786	22	0.0382938
0.0875852	1	745	21	0.0309581
0.0745019	1	1148	31	0.0353631
0.0562153	1	819	21	0.0365107
0.0963529	1	819	21	0.0365107
0.0967059	1	822	17	0.0170195
0.0729983	1	764	22	0.0237196
0.0652941	1	555	13	0.0321057
0.0457701	1	567	11	0.04683
0.124797	1	1154	32	0.0365901
0.0791765	1	673	19	0.0454
0.0874118	1	743	21	0.0389735
0.125674	1	1072	30	0.0390353
0.108228	1	1072	30	0.0390353
0.112	1	952	25	0.0343656
0.106471	1	905	20	0.0245847
0.136757	1	1169	29	0.0238343
0.0683201	1	584	16	0.0481542
0.081297	1	692	20	0.0338977
0.132588	1	1127	27	0.00642644
0.135412	1	1151	26	0.024876
0.0660501	1	607	13	0.0369873
0.0709467	1	652	17	0.0345951
0.0267865	1	608	18	0.0487456
0.0338796	1	769	20	0.0369344
0.0854118	1	726	21	0.0382408
0.0722353	1	614	17	0.048675
0.0785882	1	668	19	0.0491164
0.111765	1	950	21	0.00915415
0.171412	1	1457	39	0.00483749
0.0715294	1	608	17	0.0438463
0.123647	1	1051	30	0.0135767
0.0696174	1	626	18	0.0412422
0.0873915	1	926	25	0.0364224
0.0711184	1	606	17	0.0473332
0.0712941	1	606	17	0.0473332

0.134471	1	1143	27	0.0181141
0.0736879	1	629	18	0.034701
0.0991765	1	843	23	0.0228103
0.101067	1	919	26	0.0331562
0.107649	1	919	26	0.0331562
0.0695804	1	597	11	0.0470949
0.218167	1	1859	49	0.0138945
0.0989321	1	843	22	0.0251938
0.0686628	1	610	17	0.0475716
0.0914118	1	777	17	0.0254056
0.135882	1	1155	32	0.0225014
0.103799	1	888	24	0.0243463
0.108721	1	935	27	0.0352483
0.0762138	1	653	15	0.0461856
0.106395	1	1098	29	0.0477746
0.186919	1	1929	53	0.0110697
0.0744706	1	633	13	0.0345863
0.0709412	1	603	17	0.0447556
0.0892983	1	761	18	0.0391236
0.0977585	1	833	18	0.0256263
0.0997889	1	851	24	0.0343921
0.117647	1	1000	26	0.0251231
0.0872941	1	742	20	0.0401829
0.0694118	1	590	17	0.0345509
0.0851765	1	724	17	0.031682
0.071479	1	608	15	0.0466005
0.0734603	1	625	18	0.0426723
0.0852941	1	725	17	0.0317085
0.0909759	1	1114	31	0.0111933
0.0704706	1	599	17	0.0452852
0.0748179	1	637	18	0.00807719
0.0805882	1	685	19	0.0450292
0.10214	1	883	24	0.0332003
0.0772377	1	661	12	0.0477746
0.0561947	1	508	14	0.0366695
0.0885882	1	753	20	0.0383203
0.0689129	1	587	17	0.0489133
0.0900617	1	773	22	0.00890698
0.181529	1	1543	39	0.0257058
0.0695294	1	591	17	0.0486662
0.0709412	1	603	17	0.0475098
0.0707414	1	603	17	0.0475098
0.0721176	1	613	18	0.0447644
0.0949412	1	807	23	0.0178846
0.0742353	1	631	17	0.0356191
0.0913563	1	780	21	0.0176639
0.0869412	1	739	20	0.0464769

0.0724183	1	669	18	0.0341007
0.0647708	1	599	14	0.0431931
0.0761176	1	647	13	0.0465299
0.0752941	1	640	12	0.036749
0.0702353	1	597	16	0.0479246
0.0881176	1	749	21	0.030658
0.059169	1	806	23	0.0298724
0.10302	1	880	25	0.0376582
0.0527171	1	746	17	0.0361311
0.0962353	1	818	23	0.034957
0.0771765	1	656	19	0.0464858
0.147529	1	1254	35	0.00562313
0.0728235	1	619	13	0.0486044
0.068977	1	619	13	0.0486044
0.0522648	1	585	16	0.0459826
0.197176	1	1676	47	0.0189439
0.0870122	1	747	20	0.0260059
0.0724944	1	617	17	0.0470242
0.0697456	1	595	17	0.0476333
0.116719	1	999	43	0.0188203
0.102933	1	881	20	0.0319115
0.0688359	1	586	16	0.0497078
0.106425	1	906	25	0.0195088
0.0698547	1	596	17	0.0433785
0.0992824	1	844	24	0.0228015
0.111438	1	1060	29	0.0172578
0.0648486	1	604	16	0.0491252
0.183983	1	1576	42	0.00847443
0.0766886	1	654	18	0.0373846
0.0783896	1	773	22	0.038232
0.101815	1	1004	28	0.0252114
0.182235	1	1549	40	0.00571141
0.116721	1	1008	27	0.0253791
0.0414514	1	353	10	0.0462916
0.066604	1	567	16	0.0293604
0.0882353	1	750	18	0.0383468
0.186789	1	1592	41	0.00203033
0.0921176	1	783	19	0.0364312
0.0506329	0.661609	659	19	0.0491252
0.0773565	1	659	19	0.0491252
0.0681686	1	587	13	0.0458943
0.0689048	1	587	13	0.0458943
0.209836	1	1792	49	0.0048728
0.0693628	1	590	16	0.0458502
0.192606	1	1641	43	0.00424604
0.0350313	1	599	17	0.0499903
0.0696232	1	606	17	0.0485779

0.0756471	1	643	12	0.0472184
0.0447548	1	628	18	0.0344362
0.0845882	1	719	13	0.0183083
0.08	1	680	19	0.0333592
0.0836462	1	713	20	0.0352042
0.0724706	1	616	17	0.0462739
0.0770588	1	655	17	0.0366607
0.0691765	1	588	17	0.0437845
0.143731	1	1222	32	0.0190939
0.143765	1	1222	32	0.0190939
0.0755294	1	642	18	0.0475892
0.166608	1	1418	38	0.0104165
0.0896471	1	762	20	0.0348599
0.0862353	1	733	21	0.0408361
0.0905882	1	770	16	0.0260412
0.0666667	1	567	15	0.0325118
0.0431156	1	703	19	0.0239403
0.112481	1	958	27	0.0355926
0.0573285	1	591	15	0.0423721
0.0751527	1	640	18	0.0454618
0.0750821	1	640	18	0.0454618
0.39913	1	3393	86	0.00735333
0.0767059	1	652	19	0.0388146
0.130818	1	1113	28	0.00236578
0.131641	1	1120	30	0.0241786
0.0682327	1	610	16	0.0464769
0.0626476	1	610	16	0.0464769
0.072217	1	615	14	0.0140269
0.0715613	1	616	10	0.0490281
0.0743132	1	633	18	0.0492311
0.108165	1	922	24	0.0260412
0.0609412	1	518	11	0.0332621
0.225647	1	1918	52	0.00652354
0.139294	1	1184	33	0.0120761
0.096907	1	824	23	0.0231369
0.180941	1	1538	43	0.0133825
0.095544	1	2067	48	0.00183613
0.104974	1	2271	61	0.0106636
0.0195526	1	423	11	0.0196677
0.133309	1	2884	68	0.00158013
0.148285	1	3208	82	0.00143889
0.0711765	1	605	17	0.0364577
0.0718824	1	611	15	0.0418425
0.0883324	1	910	26	0.0226867
0.0722353	1	614	17	0.0491252
0.132	1	1122	31	0.0228986
0.0957647	1	814	23	0.0474303

0.0812019	1	781	22	0.0139034
0.116492	1	991	28	0.0263149
0.132588	1	1127	30	0.0335269
0.050135	1	427	11	0.0474833
0.0956471	1	813	14	0.0351071
0.0717647	1	610	17	0.0390353
0.0865882	1	736	18	0.0240462
0.104801	1	930	24	0.0221306
0.07798	1	664	18	0.0489133
0.0697647	1	593	17	0.0113699
0.113575	1	973	24	0.034957
0.123964	1	1062	30	0.0220335
0.0418249	1	705	20	0.0388146
0.101995	1	869	25	0.0100634
0.0700556	1	605	15	0.0493371
0.0448374	1	644	15	0.0162691
0.102759	1	894	23	0.0369432
0.0422904	1	873	21	0.0316026
0.0501341	1	430	10	0.0404919
0.116766	1	998	28	0.013356
0.0898824	1	764	20	0.0481718
0.0728235	1	619	13	0.040024
0.0727059	1	618	17	0.0351777
0.0725182	1	618	17	0.0351777
0.0481692	1	788	18	0.0183171
0.1	1	865	21	0.0253968
0.0707059	1	601	17	0.0433255
0.0525571	1	594	15	0.0457884
0.0788614	1	676	19	0.0475009
0.0756471	1	643	18	0.0331827
0.0770588	1	655	18	0.0377377
0.0773274	1	662	19	0.0367843
0.0702353	1	597	17	0.0252997
0.07577	1	647	18	0.0452941
0.0456384	1	598	13	0.0322028
0.0696888	1	598	13	0.0322028
0.0706172	1	603	11	0.0470154
0.0905477	1	1025	28	0.0347805
0.0896293	1	764	20	0.0497078
0.146513	1	1271	34	0.0138592
0.0728401	1	634	18	0.0458943
0.102995	1	877	25	0.0264738
0.071857	1	611	17	0.046627
0.108941	1	926	19	0.0313377
0.0841894	1	754	21	0.0384439
0.0753344	1	642	18	0.00994862
0.0883529	1	751	16	0.0354072

0.09	0.374633	2042	57	0.0182377
0.0563866	1	818	16	0.0183171
0.0612314	0.862559	633	18	0.0457884
0.0888235	1	755	14	0.0259794
0.0729412	1	620	10	0.0343038
0.0727059	1	618	16	0.042531
0.0711765	1	605	17	0.0438375
0.115593	1	983	19	0.0403153
0.0708069	1	602	17	0.0382762
0.0476786	1	801	22	0.0250967
0.0407738	1	685	19	0.0476687
0.0694348	1	602	16	0.0422397
0.0624507	1	792	22	0.038232
0.115647	1	983	21	0.0254056
0.0854249	1	759	21	0.0429459
0.0916569	1	780	22	0.0467859
0.0438395	1	554	10	0.0477746
0.11902	1	1025	27	0.0131707
0.0978824	1	832	23	0.0376582
0.0482984	1	413	12	0.0480924
0.0683529	1	581	10	0.044835
0.0858826	1	758	21	0.0174785
0.0881747	1	771	20	0.0218746
0.0217662	1	925	23	0.0240727
0.125529	1	1067	30	0.0103988
0.0586476	1	706	20	0.0106636
0.0601176	1	511	14	0.049134
0.0714535	1	614	14	0.00617927
0.0781176	1	664	13	0.026306
0.0944706	1	803	21	0.0343656
0.0911404	1	788	17	0.0363782
0.0689412	1	586	17	0.0490457
0.115029	1	982	24	0.00880104
0.0831765	1	707	19	0.046115
0.0528598	1	451	11	0.0444819
0.08939	1	765	20	0.0348158
0.125761	1	1095	30	0.022775
0.0609287	1	950	26	0.0278508
0.111424	1	950	26	0.0278508
0.0796471	1	677	13	0.0425575
0.0770019	1	676	19	0.0388853
0.0797647	1	678	19	0.02334
0.0392872	1	571	16	0.0466005
0.136518	1	1163	33	0.0328737
0.0695306	1	594	17	0.0499903
0.068	1	578	14	0.0460885
0.0623529	1	530	15	0.0457884

0.0717647	1	610	17	0.0497343
0.0978824	1	832	24	0.0330326
0.0848235	1	721	17	0.0380466
0.0382528	1	599	17	0.0488692
0.104019	1	893	25	0.0264384
0.104775	1	893	25	0.0264384
0.0781176	1	664	15	0.0385763
0.0469545	1	646	18	0.0486838
0.0445559	1	613	18	0.048675
0.0834118	1	709	20	0.0489486
0.0635294	1	540	15	0.044782
0.0858824	1	730	21	0.0338889
0.0688278	1	586	16	0.0434314
0.121447	1	1034	29	0.0356809
0.107882	1	917	26	0.0267474
0.082	1	697	17	0.0444731
0.127412	1	1083	30	0.0131089
0.0752455	1	904	23	0.0208241
0.0678204	1	580	13	0.0152981
0.0699212	1	603	16	0.0484366
0.100257	1	859	22	0.0184142
0.111228	1	953	27	0.0215833
0.0988727	1	842	14	0.0498932
0.117059	1	995	22	0.0170371
0.00496823	0.0695793	618	18	0.0362811
0.0931765	1	792	23	0.0471567
0.0833431	1	709	20	0.0369167
0.0520937	1	734	19	0.0293515
0.0978223	1	849	17	0.0440582
0.0754969	1	1189	30	0.00573789
0.0943953	1	992	28	0.0188556
0.120848	1	1037	23	0.0084656
0.0956329	1	865	18	0.0413305
0.076346	1	692	20	0.0369962
0.0762106	1	650	19	0.0487103
0.0868728	0.988402	776	22	0.0320351
0.0814564	1	698	20	0.0328649
0.0792289	1	785	22	0.0313642
0.076	1	646	18	0.040739
0.0634278	1	611	17	0.0455412
0.111907	1	1078	30	0.0335711
0.0699488	1	601	17	0.0412599
0.0690259	1	591	13	0.0353278
0.0749059	1	637	18	0.0374993
0.0642051	1	546	16	0.0129941
0.0672337	1	585	17	0.0364224
0.141593	1	1232	35	0.036237

0.109183	1	950	27	0.0174255
0.0405095	1	582	12	0.0465122
0.0919353	1	790	20	0.0447379
0.0738786	1	672	19	0.0317703
0.105621	1	902	23	0.0378613
0.110693	1	941	20	0.0135856
0.100341	1	853	24	0.0107608
0.121391	1	1051	29	0.0313024
0.126011	1	1091	31	0.0236578
0.0695311	1	602	13	0.0462474
0.117882	1	1002	25	0.0156777
0.101882	1	866	24	0.020215
0.0894987	1	773	22	0.0459561
0.0662841	1	566	10	0.0330061
0.0809228	1	691	20	0.048675
0.123551	1	1055	30	0.0236754
0.0796855	1	679	18	0.0452676
0.0794984	1	710	19	0.0126587
0.0974118	1	828	22	0.0164369
0.13	1	1105	27	0.0127469
0.102704	1	923	24	0.0466093
0.0722594	1	615	17	0.036237
0.0708235	1	602	15	0.0370844
0.0808279	1	699	20	0.0262619
0.229765	1	1953	41	0.013974
0.0496409	1	940	25	0.0325383
0.0940281	1	803	21	0.0436874
0.0943042	1	803	21	0.0436874
0.123294	1	1048	29	0.0188026
0.0838857	1	772	20	0.0330414
0.0695294	1	591	13	0.0474038
0.098	1	833	23	0.0296693
0.0765818	1	656	18	0.0332003
0.0919715	1	787	17	0.026818
0.108671	1	940	26	0.0239844
0.126584	1	1079	27	0.013718
0.0816471	1	694	20	0.0351777
0.0280596	1	603	17	0.0495666
0.0543529	1	462	10	0.0397768
0.0717647	1	610	17	0.0403859
0.131294	1	1116	31	0.0361134
0.0363837	1	658	12	0.0345951
0.0729412	1	620	14	0.0493724
0.0456397	1	762	21	0.043405
0.105765	1	899	24	0.0330414
0.0561898	1	945	21	0.0422309
0.084694	0.762963	945	21	0.0422309



0.0963097	1	1010	22	0.0246288
0.0965122	1	1010	22	0.0246288
0.0550047	1	760	20	0.0431666
0.092942	1	798	15	0.0429724
0.0763547	1	651	15	0.0457619
0.018947	1	619	17	0.0491075
0.0787059	1	669	19	0.0140976
0.119765	1	1018	28	0.0180788
0.037907	1	865	21	0.026306
0.0512209	1	623	16	0.0490193
0.032	0.436597	623	16	0.0490193
0.0697647	1	593	17	0.0384439
0.0162353	0.115966	1190	28	0.0179022
0.0366716	1	669	17	0.0363165
0.166006	1	3935	99	0.00064441
0.102	1	867	24	0.0152981
0.0259028	1	614	11	0.0279568
0.0462353	0.640065	614	11	0.0279568
0.0685882	1	583	16	0.0488251
0.0710719	1	612	17	0.0426546
0.112569	1	1004	23	0.033933
0.0698331	1	594	16	0.0497078
0.0733582	1	630	18	0.0422839
0.0778962	1	665	14	0.0477216
0.113059	1	961	20	0.0239049
0.123736	1	1052	29	0.0137798
0.0718824	1	611	17	0.0401829
0.0689655	1	596	17	0.0479511
0.0758661	1	646	18	0.0441553
0.0453399	1	827	22	0.0470949
0.116618	1	1033	23	0.0289013
0.0994282	1	852	24	0.0247083
0.0283655	0.286385	852	24	0.0247083
0.0484649	1	884	24	0.0245935
0.0802353	1	682	19	0.0370933
0.0674403	1	587	17	0.0495842
0.0695294	1	591	14	0.0497784
0.0869412	1	739	20	0.0377024
0.237882	1	2022	47	0.0139387
0.134624	1	1147	31	0.0317879
0.0833917	1	714	20	0.0425222
0.151176	0.996124	1290	34	0.0075034
0.0808235	1	687	14	0.0406243
0.0775983	1	663	19	0.0242934
0.115964	1	1062	23	0.0331562
0.0825882	1	702	20	0.0357074
0.0747059	1	635	18	0.0371109

0.0864706	1	735	21	0.048366
0.076	1	646	15	0.0331562
0.0740907	1	660	18	0.0466447
0.0776471	1	660	16	0.0406596
0.0701898	1	599	14	0.0357515
0.0721092	1	613	12	0.0493724
0.0707059	1	601	10	0.0475716
0.117329	1	998	27	0.0171077
0.076082	1	668	19	0.0431754
0.121868	1	1070	30	0.0352571
0.0790588	1	672	17	0.0257146
0.138056	1	1179	31	0.0136032
0.0842353	1	716	17	0.0409244
0.0715656	1	634	16	0.0347981
0.0695338	1	616	15	0.0417277
0.0438824	1	373	11	0.0452323
0.106761	1	908	21	0.00480217
0.166569	1	1417	28	0.0352307
0.0720922	1	613	17	0.0492753
0.0686897	1	584	12	0.0491164
0.0944706	1	803	22	0.0360604
0.0515824	1	590	11	0.0454882
0.0817308	1	697	17	0.0426105
0.123227	1	1051	28	0.0465476
0.0972771	1	936	25	0.0238167
0.0747059	1	635	15	0.0400152
0.0789938	1	672	19	0.0311435
0.0705718	1	606	17	0.0469007
0.109059	1	927	23	0.0469801
0.0696582	1	593	12	0.0409333
0.0668693	1	704	20	0.0134178
0.0518502	1	716	20	0.0452941
0.0628576	1	868	17	0.0341714
0.154442	1	1316	37	0.0181847
0.109176	1	928	26	0.0454
0.0464189	1	687	19	0.0271711
0.214235	1	1821	51	0.0178228
0.0737647	1	627	18	0.0436521
0.0955294	1	812	23	0.0213803
0.0927059	1	788	20	0.0333945
0.103933	1	888	24	0.0261295
0.0764279	1	653	16	0.028663
0.0775294	1	659	15	0.0454529
0.0782077	1	665	18	0.0365107
0.0898824	1	764	22	0.0397857
0.0725882	1	617	18	0.0492046
0.112471	1	956	27	0.0307728

0.112941	1	960	27	0.0202327
0.0711597	1	605	17	0.0431666
0.118577	1	1013	23	0.0464858
0.158	1	1343	37	0.00868629
0.0564787	1	690	16	0.0378348
0.0936471	1	796	22	0.0306845
0.0254334	1	600	14	0.0482336
0.0805882	1	685	18	0.0383379
0.211623	1	3594	99	0.00193323
0.128069	1	2175	58	0.00632051
0.104118	1	885	25	0.0140799
0.0738824	1	628	18	0.0301019
0.0751765	1	639	18	0.0297223
0.0693058	1	590	16	0.049902
0.0694118	1	590	16	0.049902
0.069229	1	589	17	0.0462474
0.0692941	1	589	17	0.0462474
0.0583556	1	763	21	0.0451263
0.165412	1	1406	38	0.0140358
0.102353	1	870	18	0.0240727
0.163176	1	1387	38	0.00774174
0.0438821	1	685	12	0.0384439
0.0692941	1	589	17	0.0467594
0.122118	1	1038	21	0.0455412
0.0990588	1	842	23	0.0386028
0.115347	1	3295	91	0.00868629
0.0454386	1	1298	30	0.0181494
0.116235	1	988	28	0.0313465
0.115522	1	3300	90	0.00109461
0.0805853	1	2302	64	0.0106813
0.0560807	1	1602	42	0.00911001
0.0412028	1	1177	28	0.0189527
0.0924176	1	2640	72	0.00221571
0.0429882	1	1228	33	0.0170901
0.0842273	1	738	16	0.0184407
0.0872016	1	2491	69	0.00834201
0.0763495	1	2181	59	0.00914532
0.0959402	1	1347	38	0.0140005
0.0416667	1	585	14	0.0410833
0.0475071	1	667	18	0.0246465
0.0429487	1	603	15	0.0440494
0.0709412	1	603	15	0.0440494
0.0507835	1	713	19	0.0293515
0.0838824	1	713	19	0.0293515
0.045245	1	638	17	0.0273212
0.0809872	1	1142	32	0.0257499
0.0957647	1	814	23	0.0376494

0.0685882	1	583	16	0.0475098
0.140588	1	1195	34	0.0159513
0.259029	1	3421	93	0.00301019
0.0979026	1	1293	36	0.00808601
0.0622397	1	822	22	0.0471567
0.0228817	1	899	25	0.019703
0.0297539	1	1169	24	0.0252026
0.0268778	1	1056	28	0.0181847
0.0407239	1	1600	44	0.0189792
0.0275904	1	1084	31	0.0361487
0.0565553	1	2222	55	0.0214421
0.0467561	1	1837	51	0.0182377
0.0202601	1	796	22	0.0297753
0.0780142	1	671	16	0.0433343
0.0476215	1	1871	52	0.0141152
0.0302375	1	1188	33	0.0189174
0.0824149	1	3238	87	0.0140358
0.0564354	1	1151	32	0.0190675
0.0476097	1	971	25	0.0134796
0.0607059	1	516	15	0.0498844
0.103359	1	2108	59	0.0107872
0.0440765	1	599	17	0.0488515
0.0347634	1	709	18	0.0379407
0.108017	1	2203	61	0.010955
0.0415788	1	848	24	0.0348599
0.264353	1	2247	62	0.00659416
0.0837647	1	712	17	0.0485779
0.210824	1	1792	50	0.0236931
0.101937	1	1268	35	0.0351247
0.0487059	1	414	12	0.0190939
0.0504864	1	628	18	0.032397
0.085457	1	1063	28	0.0379142
0.0716471	1	609	15	0.0476687
0.105294	1	895	23	0.0231723
0.219529	1	1866	52	0.00557017
0.16167	1	2621	72	0.00919828
0.0362077	1	587	16	0.0421603
0.0679127	1	1101	30	0.0252291
0.144338	1	2340	65	0.00694727
0.180299	1	1543	42	0.0111933
0.0900911	1	771	22	0.0316555
0.0726043	1	1535	43	0.0369079
0.0420963	1	890	25	0.0377377
0.0282849	1	598	17	0.0476333
0.0697647	1	593	17	0.0488427
0.0715294	1	608	17	0.0443671
0.0798824	1	679	19	0.045144

0.0723529	1	615	12	0.0495401
0.0877647	1	746	21	0.0411363
0.0836471	1	711	20	0.0358574
0.115412	1	981	27	0.0369785
0.0724706	1	616	13	0.0217422
0.0747059	1	635	18	0.0388499
0.0675788	1	978	28	0.0348599
0.0723529	1	615	18	0.0436874
0.0993797	1	1458	41	0.00775057
0.0653671	1	959	27	0.0240903
0.0765456	1	1123	32	0.0254763
0.0370118	1	543	16	0.0467682
0.0966612	1	828	22	0.0379407
0.117176	1	996	27	0.0378966
0.0908242	0.992347	784	22	0.0233223
0.251529	1	2138	56	0.00900408
0.138824	1	1180	33	0.0177168
0.0584706	1	497	11	0.0448703
0.0851765	1	724	21	0.0134796
0.0888235	1	755	18	0.0292544
0.0782353	1	665	13	0.041507
0.0861176	1	732	20	0.0371639
0.0728235	1	619	18	0.0470949
0.0716471	1	609	16	0.04668
0.0836471	1	711	20	0.0470419
0.0684566	1	719	20	0.0487721
0.0845882	1	719	20	0.0487721
0.0871765	1	741	19	0.045144
0.0579371	1	619	18	0.0378083
0.0936471	1	796	22	0.0231281
0.121412	1	1032	29	0.034648
0.0812646	1	694	19	0.0140358
0.0301755	1	459	13	0.0379937
0.0676484	1	1029	29	0.0180435
0.0358611	1	602	17	0.0487279
0.0572476	1	718	19	0.0454
0.116588	1	991	28	0.0189704
0.211294	1	1796	49	0.0233047
0.122235	1	1039	16	0.0416659
0.106824	1	908	24	0.0270475
0.0710588	1	604	17	0.0436256
0.121176	1	1030	29	0.0155011
0.0789258	1	673	17	0.0447467
0.0857647	1	729	20	0.0174432
0.112	1	952	27	0.0235872
0.204048	1	1744	48	0.017558
0.0737798	1	650	18	0.0491252

0.0781176	1	664	17	0.0195971
0.0707736	1	602	15	0.0404919
0.0704706	1	599	17	0.048878
0.0725882	1	617	16	0.0496195
0.0765879	1	668	18	0.0388323
0.0726676	1	620	16	0.0465652
0.0942445	1	804	21	0.0305874
0.107729	1	938	26	0.0471037
0.0798314	1	682	19	0.0328649
0.0678764	1	591	16	0.0437316
0.0682782	1	644	18	0.0433696
0.0736471	1	626	17	0.0402888
0.136941	1	1164	28	0.0214244
0.0841744	1	834	23	0.0237814
0.0708235	1	602	14	0.0412422
0.0617081	1	526	12	0.0491428
0.100959	1	863	25	0.0376935
0.0688647	1	589	16	0.0427341
0.0717647	1	610	15	0.0483484
0.0311645	1	592	14	0.0445172
0.0324805	1	617	10	0.0265532
0.0277953	1	528	15	0.0180876
0.105269	1	895	23	0.00894229
0.131883	1	1188	31	0.0161191
0.0706809	1	601	17	0.0478364
0.0718303	1	613	17	0.0492223
0.0703364	1	598	11	0.0421161
0.0800423	1	681	19	0.0459296
0.0492765	1	613	14	0.0479688
0.0699579	1	598	17	0.0354425
0.086	1	731	19	0.0298724
0.0560704	1	478	10	0.0130294
0.0824928	1	777	20	0.0373846
0.115124	1	985	20	0.0310729
0.107431	1	918	20	0.0256351
0.0771919	1	729	20	0.034957
0.0833238	1	729	20	0.034957
0.0912119	1	794	21	0.0300842
0.0821902	1	707	16	0.019041
0.0845696	1	724	21	0.0425752
0.076	1	646	18	0.0418601
0.0821219	1	1079	31	0.0224043
0.0773926	1	710	20	0.0476775
0.0691765	1	588	16	0.0398651
0.0723529	0.929003	662	19	0.0242492
0.0703052	1	599	17	0.0422574
0.227412	1	1933	54	0.0113963

0.0725882	1	617	18	0.0195265
0.069868	1	598	17	0.0492311
0.0703529	1	598	17	0.0492311
0.102465	1	877	24	0.0234812
0.093061	1	802	20	0.0299606
0.0844496	1	725	21	0.0190233
0.135583	1	1153	31	0.0298724
0.12453	1	1059	30	0.017196
0.0892521	1	759	18	0.0138504
0.105466	1	903	25	0.0343479
0.10511	1	903	25	0.0343479
0.0689412	1	586	17	0.0495401
0.0760117	1	648	14	0.0462474
0.0772759	1	657	14	0.0356014
0.210941	1	1793	50	0.00711499
0.0783529	1	666	13	0.0298106
0.0769412	1	654	15	0.0378524
0.178471	1	1517	43	0.00996628
0.074	1	629	16	0.0257146
0.11369	1	970	27	0.0197472
0.0701176	1	596	17	0.0493371
0.211882	1	1801	44	0.0161985
0.13974	1	1191	30	0.0348599
0.0748235	1	636	18	0.0426634
0.112325	1	977	25	0.0153334
0.0745882	1	634	15	0.0400417
0.0458364	1	633	18	0.0431225
0.144335	1	1228	27	0.036749
0.134827	1	1228	27	0.036749
0.0592941	1	504	14	0.0377377
0.0968461	1	826	22	0.0488427
0.0508622	1	820	23	0.021857
0.072627	1	619	12	0.0488869
0.0676964	1	710	13	0.0177698
0.0774118	1	658	12	0.0452587
0.109765	1	933	26	0.0416571
0.069293	1	591	17	0.0470949
0.0690588	1	587	17	0.0328561
0.0731593	1	622	17	0.0405095
0.0711936	1	606	17	0.047854
0.0682801	1	584	11	0.0494077
0.0873378	1	747	21	0.0363165
0.0619688	1	576	16	0.0382762
0.0693546	1	590	15	0.0424428
0.0786687	1	676	19	0.0460356
0.0707059	1	601	12	0.0403242
0.0751229	1	1024	27	0.0344803

0.08848	1	755	20	0.0349835
0.123529	1	1050	25	0.0131707
0.0785882	1	668	19	0.0386999
0.145529	1	1237	32	0.00888049
0.0672174	1	594	12	0.0432461
0.0870588	1	740	21	0.0240992
0.0708235	1	602	17	0.0436521
0.217882	1	1852	50	0.0196766
0.187882	0.854468	1869	50	0.000794478
0.0907386	1	774	22	0.0364312
0.0712941	1	606	17	0.0473773
0.164689	1	2151	58	0.00659416
0.100235	1	852	24	0.038232
0.271955	1	3552	94	0.00434314
0.0519103	1	678	20	0.0337741
0.0584988	1	498	14	0.0375258
0.0692941	1	589	12	0.039459
0.0726727	1	630	11	0.0166929
0.0598122	1	758	22	0.0348687
0.0712941	1	606	12	0.0369697
0.0702353	1	597	17	0.039309
0.196447	1	1670	34	0.00236578
0.064852	1	791	21	0.0307463
0.0465077	1	837	20	0.0231458
0.0705673	1	1270	32	0.00398121
0.0773196	1	660	15	0.0348599
0.0722665	1	616	17	0.0437492
0.0769142	1	664	19	0.0492753
0.0718317	1	611	14	0.0446408
0.0517859	1	593	13	0.0325383
0.203039	1	2325	62	0.0305079
0.136471	1	1160	30	0.0138945
0.0737955	1	628	17	0.0441553
0.131388	1	1139	29	0.0355661
0.134	1	1139	29	0.0355661
0.0821629	1	702	20	0.034701
0.0736471	1	626	18	0.0324147
0.0908557	1	774	22	0.0299871
0.0910588	1	774	22	0.0299871
0.0980484	1	834	23	0.0383733
0.0689331	1	586	12	0.0474391
0.0696938	1	594	16	0.0380113
0.120471	1	1024	26	0.0267827
0.0801826	1	685	20	0.037773
0.0605882	1	515	11	0.0494695
0.163412	1	1389	39	0.0240727
0.102118	1	868	17	0.0355926



0.114575	1	974	27	0.0262619
0.0528479	1	900	25	0.0333416
0.0633001	1	539	15	0.0299871
0.0834019	1	710	20	0.0180435
0.0474188	1	654	17	0.0339065
0.0768598	1	654	17	0.0339065
0.0741176	1	630	18	0.0481542
0.110302	1	939	26	0.0183171
0.0959709	1	817	23	0.0335534
0.123412	1	1049	28	0.0494695
0.0488235	1	415	12	0.0479158
0.117868	1	1002	28	0.0345774
0.0850666	1	728	20	0.035778
0.0939459	1	959	27	0.038285
0.0531067	1	453	13	0.043096
0.0851765	1	724	14	0.0384351
0.084	1	714	33	0.0220953
0.137882	1	1172	33	0.0327766
0.0762353	1	648	15	0.0497784
0.0722353	1	614	17	0.0474038
0.0348627	1	655	19	0.0462474
0.0852941	1	725	18	0.0356985
0.0300606	1	590	16	0.0179552
0.0958084	1	816	23	0.0284688
0.0742353	1	631	14	0.0355043
0.0950566	1	898	24	0.0169312
0.0897647	1	763	17	0.0479423
0.0845882	1	719	20	0.0257411
0.0895294	1	761	22	0.038488
0.0915294	1	778	22	0.0353896
0.0912931	1	778	22	0.0353896
0.0726888	1	618	18	0.0461238
0.0825882	1	702	15	0.0220865
0.179749	1	1532	35	0.0137798
0.0703529	1	598	17	0.0452852
0.069743	1	597	16	0.0470507
0.0602554	1	604	11	0.0435727
0.227555	1	1939	44	0.0171342
0.0816398	1	703	20	0.0434756
0.071194	1	607	17	0.0498579
0.103412	1	879	20	0.0332445
0.0821725	1	702	14	0.0271005
0.241973	1	2065	48	0.00148303
0.203643	1	1733	48	0.0131177
0.0197975	1	661	19	0.0470949
0.0459155	1	661	19	0.0470949
0.218118	1	1854	52	0.0180788

0.0495294	1	421	12	0.0459826
0.117398	1	1000	25	0.0200208
0.139412	1	1185	33	0.0328119
0.173529	1	1475	41	0.0138945
0.100941	1	858	25	0.0438728
0.0695294	1	591	17	0.0450292
0.100986	1	860	15	0.0233665
0.0407468	1	347	10	0.0356014
0.309059	1	2627	73	0.00571141
0.0812941	1	691	16	0.0457796
0.0476617	1	691	16	0.0457796
0.194471	1	1653	46	0.0260412
0.0473493	1	702	17	0.0387175
0.0696471	1	592	17	0.0467682
0.114235	1	971	27	0.026306
0.0520317	1	598	17	0.0484102
0.0846602	1	973	28	0.0374464
0.0876264	1	745	21	0.0348599
0.109176	1	928	21	0.0484013
0.0982353	1	835	24	0.0382585
0.0754118	1	641	18	0.0348687
0.0915294	1	778	22	0.0330061
0.0695294	1	591	14	0.0419749
0.0782802	1	670	19	0.0270299
0.0996471	1	847	18	0.0361929
0.177765	1	1511	35	0.0250702
0.269294	1	2289	57	0.00475804
0.0761176	1	647	18	0.0498932
0.0709437	1	857	20	0.0451528
0.0906873	1	1078	30	0.0189439
0.066	1	561	12	0.0474656
0.184824	1	1571	31	0.00609982
0.178235	1	1515	32	0.0140887
0.144	1	1224	33	0.00857153
0.108108	1	920	25	0.0349394
0.0910588	1	774	21	0.0317703
0.0691765	1	588	17	0.0441553
0.0736534	1	629	18	0.0285041
0.0808235	1	687	17	0.0268798
0.0712941	1	606	17	0.0407126
0.0676522	1	778	18	0.0333681
0.0389739	1	591	17	0.0487898
0.0695294	1	591	17	0.0487898
0.060464	1	516	10	0.0491605
0.110118	1	936	26	0.0181847
0.0984706	1	837	23	0.0185555
0.0833333	1	771	22	0.0285041

0.0741176	1	630	18	0.0485602
0.0756471	1	643	18	0.0445967
0.074	1	629	18	0.0377906
0.0675294	1	574	16	0.0370138
0.0763529	1	649	18	0.0406243
0.0722157	1	616	12	0.0497255
0.093772	1	798	23	0.0220335
0.0674091	1	575	14	0.0386028
0.100247	1	853	22	0.0366695
0.0747751	0.938416	682	13	0.0317614
0.0723189	1	615	12	0.0329532
0.0985882	1	838	24	0.0495401
0.0704706	1	599	17	0.0489486
0.0598802	1	510	14	0.0498932
0.0616471	1	524	15	0.0496901
0.0702353	1	597	17	0.0343214
0.0737969	1	641	18	0.0481718
0.0752941	1	640	18	0.0430077
0.168588	1	1433	38	0.0346745
0.0787059	1	669	14	0.0240462
0.105686	1	933	27	0.0275242
0.0867059	1	737	19	0.0474126
0.0536471	1	456	13	0.0461856
0.0687059	0.98983	590	17	0.0222807
0.101294	1	861	20	0.0338624
0.0681176	1	579	17	0.0429106
0.076	1	646	18	0.0232341
0.105647	1	898	24	0.0468742
0.191412	1	1627	45	0.00565844
0.0445722	1	721	14	0.0296693
0.0545882	1	464	13	0.0445525
0.0449306	1	382	11	0.0453294
0.0701176	1	596	17	0.0392825
0.102353	1	870	24	0.0222807
0.101882	1	866	22	0.00164192
0.0810153	1	699	20	0.0495401
0.0716716	1	611	17	0.0473773
0.0496027	1	668	17	0.0477658
0.10045	1	892	25	0.0371992
0.0728383	1	620	17	0.0498667
0.0407325	1	347	10	0.0489575
0.05	1	425	11	0.0455147
0.124	1	1054	30	0.0131707
0.0730174	1	627	14	0.0312053
0.0806314	1	756	21	0.0258647
0.243059	1	2066	52	0.0131089
0.131294	1	1116	27	0.0223336

0.0829222	1	706	15	0.0384615
0.0830588	1	706	15	0.0384615
0.0833813	1	725	20	0.0352748
0.0922466	1	790	22	0.025335
0.0686595	1	588	17	0.0439964
0.079408	1	676	19	0.0332092
0.141783	1	1207	34	0.0170813
0.0746932	1	639	18	0.039512
0.072706	1	622	17	0.0466093
0.0742638	1	638	15	0.0388146
0.0720742	1	614	17	0.0495401
0.0677946	1	581	16	0.0450292
0.0556433	1	846	14	0.0497078
0.0547112	1	846	14	0.0497078
0.126159	1	1075	27	0.0306845
0.0387597	1	695	19	0.048622
0.0359155	1	644	18	0.0299165
0.0701055	1	598	17	0.0426193
0.0718732	1	612	16	0.0462739
0.0744706	1	633	17	0.0324853
0.117059	1	995	27	0.0261471
0.0654118	1	556	12	0.0486573
0.0970323	1	873	24	0.0469536
0.0656471	0.827893	674	13	0.013868
0.0638918	1	548	16	0.044632
0.0765933	1	661	17	0.0442347
0.0890588	1	757	22	0.039106
0.0720028	1	618	17	0.0470949
0.105588	1	924	23	0.0223778
0.0404369	1	585	16	0.0473509
0.0414776	1	585	16	0.0473509
0.09	1	765	21	0.0377112
0.0631765	1	537	15	0.0464416
0.090962	1	782	18	0.0324147
0.092	1	782	18	0.0324147
0.0511714	1	723	20	0.0476775
0.0718824	1	611	17	0.0421868
0.130286	1	1140	30	0.00646175
0.0369531	1	522	14	0.048622
0.0614118	1	522	14	0.048622
0.0658473	1	584	14	0.0366607
0.111412	1	947	23	0.0389912
0.147176	1	1251	34	0.0183966
0.0824706	1	701	20	0.0429106
0.148706	1	1264	35	0.018529
0.104471	1	888	25	0.0300224
0.0670588	1	570	12	0.0209036

0.0745834	1	640	14	0.036749
0.173412	1	1474	40	0.0120849
0.130941	0.768646	1448	34	0.010955
0.124235	1	1056	30	0.0170813
0.0801177	1	681	19	0.0495489
0.109882	1	934	26	0.034904
0.0688235	1	585	17	0.0394944
0.0592941	1	504	13	0.036952
0.0550967	1	914	20	0.0228986
0.0704706	1	599	17	0.0351071
0.0670588	1	570	16	0.0414982
0.0828235	1	704	20	0.0315231
0.00611765	0.0457344	1137	23	0.00874808
0.327882	1	2787	76	0.018017
0.160706	1	1366	38	0.00570258
0.163882	1	1393	34	0.00798891
0.114235	1	971	23	0.0261913
0.0955294	1	812	21	0.0156512
0.0771765	1	656	18	0.040792
0.0907059	1	771	22	0.0399093
0.101412	1	862	24	0.0458943
0.0812941	1	691	19	0.0351512
0.0835294	1	710	20	0.0322028
0.056895	1	623	17	0.0488515
0.0732941	1	623	17	0.0488515
0.0576499	1	497	12	0.049902
0.137571	1	1186	33	0.013868
0.0827059	1	703	20	0.0382673
0.0695294	1	591	13	0.034701
0.151882	1	1291	36	0.000423721
0.0864706	1	735	21	0.0353807
0.0901099	1	779	19	0.0320351
0.0581198	1	821	18	0.017814
0.0821176	1	698	13	0.030658
0.0789443	1	676	19	0.0469713
0.0699145	1	597	14	0.0456825
0.0456658	1	452	15	0.0339154
0.0982017	1	972	61	0.0251231
0.0792079	1	784	48	0.0499197
0.066074	0.996951	656	16	0.0396974
0.11837	1	1165	75	0.0355661
0.159294	1	1354	37	0.00876573
0.0950588	1	808	23	0.0140093
0.118228	1	1017	17	0.0160485
0.0738824	1	628	18	0.0305874
0.127371	1	1088	26	0.0172755
0.105412	1	896	22	0.00827139

0.0601787	0.403785	1268	35	0.0234724
0.070992	1	604	10	0.0298724
0.0663164	1	568	16	0.0459031
0.0763465	1	988	25	0.0497519
0.144691	1	1443	58	0.0370403
0.0869412	1	739	21	0.0361399
0.0865238	1	739	21	0.0361399
0.0628235	1	534	24	0.0448791
0.105176	1	894	48	0.019041
0.0722353	1	614	19	0.0436963
0.0708235	1	602	16	0.0160838
0.0935294	1	795	22	0.0345333
0.106148	0.99568	926	25	0.0383379
0.0709161	1	603	17	0.0465652
0.074	1	629	11	0.0255557
0.0693777	1	592	11	0.0410745
0.0861176	1	732	21	0.031938
0.0883529	1	751	14	0.0481453
0.10798	1	1069	30	0.0373581
0.0791765	1	673	18	0.0413305
0.111988	1	1008	24	0.0203033
0.0691765	1	588	17	0.048675
0.0388882	1	589	17	0.0229869
0.042596	1	657	18	0.0183171
0.0579212	1	657	18	0.0183171
0.120042	1	1029	26	0.0163574
0.0715294	1	608	15	0.0449762
0.108824	1	925	26	0.0389559
0.0836471	0.906888	784	21	0.0348864
0.0893797	1	781	22	0.0353542
0.0641868	1	547	15	0.0493989
0.0987059	1	839	23	0.0387175
0.0961176	1	817	23	0.0445172
0.108369	1	922	23	0.0374817
0.0772941	1	657	19	0.0396533
0.0853475	1	738	21	0.0351512
0.0699665	1	605	17	0.0486485
0.081678	1	699	20	0.0438287
0.0756471	1	643	15	0.0201886
0.0722679	1	615	17	0.0475716
0.0693348	1	615	17	0.0475716
0.0964656	1	827	23	0.0308964
0.0722353	1	614	12	0.043149
0.0778539	1	682	15	0.0246641
0.0517175	1	539	15	0.0466005
0.136235	1	1158	32	0.00894229
0.109524	1	943	24	0.0389294

0.300353	1	2553	68	0.0149891
0.0892941	1	759	15	0.0435285
0.108588	1	923	26	0.0263943
0.0825882	1	702	20	0.0367578
0.0753409	1	641	18	0.0477922
0.12741	1	1084	23	0.0140976
0.102235	1	869	20	0.0227574
0.154941	1	1317	31	0.00921594
0.0776471	1	660	19	0.0452941
0.0694118	1	590	11	0.0412334
0.101294	1	861	24	0.0150421
0.0541176	1	460	10	0.0464593
0.208235	1	1770	49	0.00864215
0.080197	1	684	15	0.0466976
0.0727059	1	618	17	0.040739
0.0725267	1	618	18	0.0476951
0.0700733	1	602	17	0.0444907
0.176625	1	1957	50	0.00762698
0.156227	1	1731	46	0.0183701
0.0423529	1	360	10	0.0490104
0.0691773	1	597	13	0.041507
0.0806489	1	696	19	0.0491252
0.0667981	1	610	10	0.0379231
0.0811432	1	741	21	0.0450469
0.0688004	1	589	10	0.0446055
0.103914	1	892	25	0.0351159
0.0923926	1	787	21	0.0283187
0.0537916	1	781	21	0.0359898
0.0715294	1	608	15	0.0326089
0.0704706	1	599	15	0.0452411
0.0848791	1	723	15	0.025591
0.132118	1	1123	27	0.0306227
0.0694118	1	590	13	0.0415512
0.0687059	1	584	16	0.0481718
0.11654	1	1009	27	0.0189439
0.118497	1	1009	27	0.0189439
0.105683	1	915	26	0.0239049
0.107457	1	915	26	0.0239049
0.0807855	1	687	13	0.00711499
0.089907	0.97026	807	18	0.0358309
0.0942867	1	807	18	0.0358309
0.067837	1	626	18	0.0472096
0.10544	1	973	27	0.0253968
0.0812941	1	691	17	0.0353542
0.0665882	1	566	16	0.0488692
0.0725454	1	631	18	0.0385145
0.0892941	1	759	22	0.0363782

0.0789504	1	674	19	0.0495401
0.111163	1	949	29	0.0177257
0.0812878	1	712	20	0.0312583
0.0748795	1	637	18	0.0382497
0.111529	1	948	25	0.030146
0.0912941	1	776	20	0.0374022
0.0648536	1	682	16	0.0349923
0.0762353	1	648	12	0.0488427
0.0676471	1	575	12	0.0449762
0.108	1	918	17	0.00913649
0.0830588	1	706	14	0.0208859
0.0751765	1	639	18	0.0424781
0.0411029	1	638	15	0.0310641
0.0541167	1	840	24	0.0498932
0.0977995	1	840	24	0.0498932
0.127292	1	1222	31	0.00843912
0.0697917	1	670	17	0.00935718
0.0716299	1	610	18	0.0181847
0.251999	1	2206	57	0.0171077
0.0703529	1	598	12	0.049443
0.148118	1	1259	26	0.0183701
0.0751371	1	644	18	0.0490987
0.104471	1	888	25	0.0110256
0.122298	1	1092	30	0.0363782
0.12572	1	1092	30	0.0363782
0.0924956	1	795	20	0.0381614
0.114627	1	989	28	0.0138857
0.123046	1	1055	30	0.0209742
0.123204	1	1055	30	0.0209742
0.0262953	1	642	18	0.0472979
0.177294	1	1507	43	0.01039
0.151412	1	1287	32	0.0065412
0.126824	1	1078	27	0.0183436
0.0841111	1	721	20	0.031938
0.0774147	1	957	26	0.02462
0.11239	1	957	26	0.02462
0.0876703	1	753	21	0.0470772
0.123303	1	1099	30	0.025132
0.134964	1	1148	27	0.0154482
0.034507	1	442	10	0.0285041
0.0673824	1	590	11	0.0346922
0.0710588	1	604	17	0.0370844
0.247487	1	2117	57	0.017196
0.0438673	1	804	22	0.0245052
0.0769231	1	662	19	0.0429812
0.0698526	1	801	22	0.0387175
0.0791304	1	819	23	0.0242934



0.109082	1	1129	32	0.0389206
0.137248	1	1171	32	0.0107872
0.297234	1	2536	66	0.00868629
0.0802433	1	686	19	0.00520824
0.0773393	1	686	19	0.00520824
0.198971	1	1701	43	0.00472273
0.0780158	0.40682	1701	43	0.00472273
0.225056	1	1924	59	0.0039106
0.0701836	1	600	13	0.0319998
0.0663957	1	588	17	0.0462298
0.111294	1	946	34	0.0043608
0.0948235	1	806	18	0.00293074
0.272	0.769641	3004	94	0.00416659
0.342822	1	4974	155	0.00334563
0.111724	1	1621	41	0.00994862
0.0711765	1	605	17	0.0422839
0.0848235	1	721	19	0.0493459
0.0884706	1	752	20	0.0353189
0.0457848	1	586	12	0.0481895
0.137176	1	1166	38	0.0255204
0.0772941	1	657	15	0.0337653

Fraction of negatively enriched windows in region	MAT-score on T(H3K9me3WTC vs. control)
0	5.91723
0	7.13257
0	5.54136
0	6.11453
0	5.71992
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## Gene List WT H3K9me3 High Fat Diet

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gene overlap percent	region overlap percent	length(bps)	probes in region	p-value(region)	
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0.0905882	1	770	22	0.0177522
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0.0904706	1	769	16	0.0177875
0.0807059	1	686	12	0.0178846
0.0824706	1	701	19	0.0183171
0.118674	1	1013	24	0.0184407

0.126	1	1071	30	0.0186084
0.0836653	1	714	20	0.0189086
0.166353	0.768061	1841	52	0.0190057
0.070454	1	599	10	0.0190057
0.0437527	1	1719	48	0.0190675
0.0734118	1	624	11	0.0191469
0.121294	1	1031	29	0.0191469
0.0769412	1	654	11	0.0192175
0.0766612	1	653	12	0.0193323
0.117294	1	997	25	0.0193676
0.0573032	1	929	26	0.0194735
0.101172	1	967	26	0.0195618
0.0842598	1	720	14	0.0198355
0.0864299	1	735	20	0.0199502
0.095082	1	812	23	0.0199944
0.115847	1	1011	28	0.0200914
0.0733643	1	1026	29	0.0202768
0.129765	1	1103	28	0.0204269
0.113412	1	964	27	0.0204357
0.161059	1	1369	38	0.0204975
0.115176	1	979	25	0.0206299
0.0457113	1	696	17	0.0206388
0.119647	1	1017	26	0.0206829
0.119605	1	1017	26	0.0206829
0.0514468	1	1113	27	0.0207535
0.0841723	1	719	20	0.0207535
0.101647	1	864	24	0.0208859
0.111921	1	952	25	0.0210713
0.113765	1	967	27	0.0210713
0.100941	1	858	24	0.021089
0.0789413	1	689	19	0.0212479
0.0807059	1	686	45	0.0212743
0.0559549	1	903	25	0.0212832
0.0881324	1	756	19	0.0213096
0.0551223	1	728	19	0.0213096
0.112095	1	1000	23	0.0213803
0.0892941	1	759	21	0.0214156
0.103861	1	885	24	0.0214421
0.0841176	1	715	19	0.0215127
0.114118	1	970	24	0.021601
0.109294	1	929	21	0.0216363
0.151176	1	1285	36	0.0216716
0.187882	1	1597	44	0.0217952
0.0917613	1	832	20	0.0218834
0.0836471	1	711	20	0.0218923
0.0786042	1	669	17	0.0218923
0.0742353	1	631	16	0.0219629

0.0833425	1	761	21	0.022007
0.11577	1	994	25	0.022007
0.101308	1	875	24	0.0220158
0.0908235	1	772	22	0.0220247
0.116322	1	997	27	0.0220423
0.106705	1	1001	28	0.0220512
0.117695	1	1001	28	0.0220512
0.0685748	1	587	17	0.0220512
0.0839087	1	717	20	0.0221041
0.078805	1	670	20	0.0221659
0.0936471	1	796	21	0.0221747
0.0788235	1	670	19	0.0222189
0.0254118	0.202817	1065	30	0.0222277
0.180588	1	1535	43	0.0222454
0.0735294	1	625	13	0.0222454
0.101529	1	863	22	0.0223425
0.0757014	1	653	16	0.0223866
0.201828	1	1722	48	0.0224131
0.0955154	1	820	20	0.0224661
0.0708235	1	602	17	0.0225102
0.0769412	1	654	16	0.022572
0.0990029	1	844	23	0.0225985
0.120118	1	1021	29	0.0227397
0.111529	1	948	27	0.0227574
0.0923529	1	785	17	0.022775
0.0921686	1	785	17	0.022775
0.104588	1	889	25	0.0227838
0.133412	1	1134	31	0.0228368
0.118706	1	1009	28	0.0229781
0.11334	1	972	21	0.0229781
0.0500601	1	1083	23	0.023031
0.126941	1	1079	24	0.023031
0.0744647	1	925	26	0.023031
0.0871765	1	741	21	0.023031
0.0825882	1	702	14	0.0230487
0.0980255	1	839	23	0.0230487
0.0770588	1	655	18	0.0230752
0.0351904	1	998	28	0.0231016
0.0817647	1	695	17	0.0231193
0.104588	0.802347	1108	27	0.0231193
0.00740426	0.110108	1108	27	0.0231193
0.107676	1	923	26	0.0231193
0.0577297	1	860	22	0.0231458
0.0906526	1	771	22	0.0232429
0.0389016	1	969	24	0.0232429
0.0656471	1	558	16	0.0232694
0.139176	1	1183	29	0.0232782

0.0947712	1	1044	29	0.0233665
0.0988278	1	978	27	0.0233929
0.122106	1	1039	29	0.0234459
0.0710825	1	939	21	0.0234547
0.0591393	1	683	17	0.0234812
0.132235	1	1124	20	0.0234812
0.0531254	0.503893	899	25	0.0234989
0.124118	1	1056	27	0.0235077
0.106941	1	909	25	0.0235077
0.0740062	1	646	18	0.0235077
0.0844017	1	1185	27	0.0235165
0.0865882	1	736	21	0.0235254
0.120235	1	1022	22	0.0235254
0.111892	1	955	26	0.0236931
0.0683122	1	631	17	0.0236931
0.105707	1	902	19	0.0237284
0.112222	1	954	22	0.0237284
0.0533527	1	736	19	0.0237284
0.134742	1	1148	22	0.0237461
0.12326	1	1054	29	0.0237637
0.069552	1	593	17	0.0238255
0.0590528	1	818	23	0.0238343
0.082	1	697	20	0.0238608
0.131205	1	1118	28	0.0238785
0.0755854	1	652	18	0.0238785
0.0834118	1	709	13	0.0239049
0.0903529	1	768	22	0.0239226
0.0167268	1	566	16	0.0239314
0.0828209	1	1751	49	0.0239667
0.224118	1	1905	48	0.0239756
0.0874118	1	743	16	0.0239756
0.0731765	1	622	17	0.0239756
0.073588	1	628	12	0.0239756
0.0984706	1	837	13	0.0240109
0.104941	1	892	21	0.0240374
0.0996021	1	851	23	0.0240374
0.105257	1	915	23	0.0240462
0.113059	1	961	26	0.0244258
0.0789801	1	889	25	0.0245582
0.0809412	1	688	19	0.0246818
0.0386343	1	946	25	0.0246818
0.0906539	1	775	22	0.0247171
0.101715	1	872	25	0.0247347
0.0478058	1	975	26	0.024823
0.133765	0.991282	1147	27	0.0248407
0.127176	1	1081	30	0.024876
0.118824	1	1010	23	0.0249201



0.0533003	1	1183	29	0.0249378
0.0964706	1	820	23	0.0249554
0.0849412	1	722	20	0.0251143
0.0585464	1	609	15	0.0251143
0.12342	1	1064	30	0.0252291
0.0502558	1	894	23	0.0254498
0.136706	1	1162	33	0.0255027
0.179294	1	1524	36	0.0255292
0.08	1	680	18	0.0255557
0.0810588	1	689	19	0.0256175
0.0493961	1	818	17	0.0256351
0.0726187	1	693	14	0.0258735
0.0902353	1	767	22	0.0259353
0.0863529	1	734	20	0.0259706
0.0835294	1	710	20	0.0260854
0.0921733	1	802	23	0.0260854
0.127294	1	1082	30	0.0261648
0.0472092	1	905	25	0.0262089
0.0774634	1	783	22	0.0262884
0.0710588	1	604	16	0.0263325
0.100092	1	867	23	0.0263325
0.088	1	748	21	0.0263413
0.105529	1	897	24	0.026359
0.0994118	1	845	24	0.026359
0.106383	1	910	24	0.0263855
0.0812846	1	691	19	0.0263855
0.0634156	1	632	11	0.0264031
0.0825882	1	702	15	0.0265444
0.0792926	1	677	14	0.0265709
0.0859259	1	754	21	0.0265709
0.0969412	1	824	23	0.0265885
0.0870459	0.924757	824	23	0.0265885
0.0216855	1	852	24	0.0265973
0.0428406	1	666	19	0.0266326
0.0788235	1	670	19	0.0267209
0.115176	1	979	17	0.0267209
0.088	1	748	21	0.0268269
0.0694379	1	593	16	0.0268357
0.0451632	1	747	21	0.0270828
0.0530631	1	453	13	0.02718
0.103279	1	882	20	0.0272947
0.0531393	1	617	11	0.027436
0.11301	1	972	26	0.0274448
0.0775294	1	659	15	0.0274448
0.125412	1	1066	24	0.0275066
0.0806943	1	688	19	0.0276037
0.0805243	1	688	19	0.0276037

0.0986292	1	885	25	0.0276478
0.0925882	1	787	20	0.0276566
0.068	1	578	11	0.0277449
0.0752941	1	640	18	0.0277449
0.10329	1	879	24	0.0277449
0.102783	1	879	24	0.0277449
0.0889412	1	756	19	0.0277714
0.123176	1	1047	29	0.0277802
0.0500717	1	663	19	0.0278244
0.104353	1	887	25	0.027842
0.116315	1	991	22	0.0278773
0.0852039	1	725	14	0.0279391
0.0826767	1	703	18	0.0280539
0.0956471	1	813	23	0.0280627
0.0997767	1	849	24	0.0280892
0.054648	0.731132	636	15	0.0280892
0.100471	1	854	21	0.0281157
0.0715289	1	611	10	0.0281422
0.0905669	0.927711	830	19	0.0282393
0.0136539	0.140964	830	19	0.0282393
0.0916471	1	779	22	0.0282481
0.0892941	1	759	14	0.0282746
0.0555597	1	746	21	0.0282746
0.103529	1	880	25	0.0282922
0.114706	1	975	26	0.0283187
0.108235	1	920	26	0.0283187
0.0702894	1	833	23	0.0283187
0.0495219	1	1010	29	0.0283275
0.0409412	0.467114	745	21	0.0283364
0.0876471	1	745	21	0.0283364
0.0759464	1	652	11	0.0283893
0.0896471	1	762	19	0.0283893
0.0928235	1	789	21	0.0284158
0.0718824	1	611	16	0.0284246
0.0875381	1	746	20	0.0284246
0.0790678	1	1469	41	0.0284511
0.104118	1	885	24	0.0284511
0.0648544	1	971	54	0.0285747
0.0650333	1	937	25	0.0285835
0.0982353	1	835	21	0.0285924
0.119324	1	1017	18	0.0286277
0.0836471	1	711	20	0.028663
0.0453985	1	736	21	0.0287071
0.0667515	1	577	16	0.0287954
0.074126	1	634	13	0.0288484
0.0782057	1	666	13	0.028866
0.122497	1	1046	26	0.0288925

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0.111882	1	951	26	0.0289896
0.0909182	1	904	23	0.0290161
0.0873501	1	743	21	0.0290249
0.0769412	1	654	14	0.0290779
0.0809317	1	688	19	0.029122
0.10431	1	956	26	0.0291485
0.124891	1	1151	30	0.0292103
0.0834118	1	709	20	0.0292897
0.0892941	1	759	17	0.0292986
0.124286	1	1088	27	0.0293868
0.0777895	1	663	18	0.0294045
0.126647	1	1307	37	0.0294751
0.0871765	1	741	20	0.0294839
0.105647	1	898	25	0.0295193
0.0837647	1	712	20	0.0295281
0.0801177	1	681	14	0.0295634
0.0982279	1	837	23	0.0296252
0.113059	1	961	26	0.0296517
0.105725	1	916	24	0.0296781
0.109212	1	933	20	0.0297135
0.0767261	1	689	16	0.0297135
0.0897647	1	763	21	0.0297488
0.0853729	1	736	20	0.0297929
0.0465357	1	765	22	0.029943
0.118118	1	1004	28	0.0299606
0.0405882	0.340573	1013	23	0.0299783
0.0811765	1	690	19	0.0300048
0.0480472	1	700	20	0.0300313
0.0768693	1	660	14	0.0300313
0.0809317	1	688	15	0.0300313
0.0851765	1	724	14	0.0300313
0.025668	1	440	13	0.0300577
0.0203874	1	801	22	0.0300577
0.0922353	1	784	21	0.030093
0.101431	1	957	27	0.0301372
0.0684706	1	582	17	0.030146
0.0911765	1	775	22	0.0301901
0.101529	1	863	24	0.0302166
0.119249	1	1016	21	0.0302166
0.120702	1	1032	24	0.0302255
0.107227	1	914	26	0.0302255
0.0772941	1	657	14	0.0302255
0.105523	1	919	24	0.0302255
0.0921022	1	793	15	0.0302784

0.0923486	1	799	23	0.0302784
0.120941	1	1028	29	0.0302961
0.0957263	1	831	21	0.0303755
0.0724389	0.997218	719	17	0.0303755
0.0654339	1	644	31	0.0304108
0.0593557	1	807	23	0.030455
0.0360569	1	1030	24	0.0304638
0.0520321	1	740	20	0.0304726
0.0649807	1	740	20	0.0304726
0.112881	1	978	21	0.0305079
0.0828632	1	705	20	0.0305168
0.068372	1	719	20	0.0305168
0.0796471	1	677	14	0.0305256
0.0921176	1	783	22	0.030605
0.103176	1	877	25	0.030658
0.131412	1	1117	31	0.0306668
0.0243834	1	958	27	0.0306757
0.0751765	1	639	12	0.0306933
0.125029	1	1063	24	0.0307198
0.0963529	1	819	23	0.0307816
0.0967059	1	822	16	0.0308169
0.124353	1	1057	29	0.0308169
0.077462	1	774	21	0.0308169
0.120235	1	1022	23	0.0308346
0.0938709	1	801	15	0.0308346
0.0986773	1	843	21	0.0308346
0.0808235	1	687	19	0.0308434
0.092	1	782	16	0.030861
0.0705882	1	600	17	0.0308699
0.0728235	1	619	16	0.0308964
0.0893231	1	768	22	0.0309052
0.0670588	1	570	16	0.030914
0.0976471	1	830	16	0.0309581
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0.123882	1	1053	23	0.0310199
0.0798824	1	679	16	0.0310376
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0.0953704	1	927	26	0.0310552
0.07626	1	752	21	0.0310906
0.107647	1	915	26	0.0311612
0.107746	1	932	26	0.03117
0.0985591	1	855	20	0.031223
0.134383	1	1144	33	0.031223
0.101023	1	859	24	0.0312406
0.0875733	1	747	21	0.0313907
0.0195526	1	423	11	0.0314525
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0.0791765	1	673	19	0.031479
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0.0724706	1	616	14	0.031479
0.0398411	1	672	19	0.0315231
0.0915294	1	778	22	0.0316114
0.0688571	1	876	20	0.0316114
0.105028	1	894	20	0.031629
0.139294	1	1184	32	0.0316379
0.136874	1	2157	56	0.0316379
0.108941	1	926	22	0.0316379
0.110706	1	941	21	0.0316379
0.0622043	1	802	16	0.0316467
0.052351	1	825	23	0.0316555
0.0732421	1	626	17	0.0316555
0.0811981	1	694	19	0.0317791
0.0673765	1	734	20	0.0317879
0.0934118	1	794	15	0.0317967
0.0704623	1	599	17	0.0317967
0.100471	1	854	22	0.0318144
0.0807076	1	1168	33	0.0318144
0.0835775	1	713	20	0.0318144
0.0687609	1	591	16	0.0318232
0.103059	1	876	24	0.0318497
0.031751	1	907	25	0.0318497
0.0812941	1	691	19	0.0318497
0.133765	1	1137	29	0.0319027
0.167882	1	1427	40	0.0320263
0.0852941	1	725	20	0.0320616
0.122353	1	1040	29	0.0321057
0.082	1	697	20	0.0321146
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0.0794024	1	675	19	0.0321499
0.0778669	1	806	18	0.0321587
0.0707663	1	603	14	0.0322117
0.0743947	1	636	14	0.0322293
0.0872941	1	742	21	0.0322293
0.100035	1	853	23	0.0322381
0.0981061	1	834	17	0.0322381
0.0718394	1	612	17	0.032247
0.0929412	1	790	18	0.0322558
0.0900258	1	769	22	0.0322999
0.0386615	1	647	16	0.0322999
0.0827877	1	746	21	0.0323176
0.0899415	1	769	17	0.0323352
0.127059	1	1080	27	0.0323441
0.0721638	1	624	18	0.0324588
0.0486395	1	547	16	0.0324676

0.07	1	595	12	0.0324853
0.0401928	1	667	19	0.032503
0.0887059	1	754	20	0.032503
0.122	1	1037	23	0.032503
0.0764706	1	650	18	0.0325206
0.0971063	1	849	23	0.0325206
0.0901176	1	766	21	0.0325206
0.0400694	1	670	19	0.0325648
0.128588	1	1093	28	0.0325912
0.0983106	1	838	23	0.032653
0.0890379	1	770	22	0.032653
0.0656471	1	558	11	0.0327325
0.0737695	1	628	18	0.032759
0.122706	1	1043	28	0.0327678
0.0839112	1	714	20	0.0327854
0.075169	1	656	15	0.0327943
0.0834311	1	711	20	0.0327943
0.101388	1	862	24	0.0328208
0.0896471	1	762	22	0.0328208
0.0504556	1	659	18	0.0328472
0.0876471	1	745	21	0.0329178
0.103412	1	879	18	0.0329355
0.098688	1	850	20	0.032962
0.0982318	1	850	20	0.032962
0.107765	1	916	23	0.032962
0.0766799	1	655	17	0.032962
0.042702	1	519	15	0.0329973
0.0573505	1	655	18	0.0330149
0.100824	1	857	24	0.0330679
0.0829412	1	705	20	0.0330944
0.0715294	1	608	17	0.0331032
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0.0610588	1	519	14	0.0331562
0.101824	1	871	24	0.0331739
0.0688235	1	585	17	0.0331827
0.0652259	1	1002	23	0.0331915
0.117882	1	1002	23	0.0331915
0.0927063	1	1027	23	0.0332268
0.0892483	1	767	16	0.0332356
0.0765882	1	651	14	0.0332356
0.130118	1	1106	31	0.0332356
0.0757647	1	644	18	0.0332356
0.0862353	1	733	21	0.033271
0.0310955	1	654	18	0.0332974
0.102941	1	875	25	0.0332974

0.068688	1	589	16	0.0332974
0.0343262	1	688	18	0.0333151
0.0835294	1	710	20	0.0333328
0.0949412	1	807	20	0.0333328
0.0920646	1	804	14	0.0333592
0.100235	1	852	24	0.0333592
0.0909732	1	774	22	0.0333945
0.0889412	1	756	21	0.0333945
0.107294	1	912	25	0.0334034
0.102691	1	874	22	0.033421
0.0912941	1	776	17	0.0334387
0.0185039	1	727	19	0.0334387
0.0896767	1	774	17	0.0334475
0.098	1	833	24	0.0334475
0.0791765	1	673	19	0.033474
0.121504	1	1034	29	0.0334828
0.0922353	1	784	22	0.0334828
0.11561	1	988	27	0.0334916
0.104235	1	886	24	0.0334916
0.0504856	1	785	22	0.0335005
0.0843468	1	756	20	0.0335005
0.074	0.990551	635	13	0.0335093
0.0849888	1	723	20	0.0335181
0.0365861	1	604	16	0.0335446
0.0874195	1	747	15	0.0335711
0.104353	1	887	23	0.0335799
0.0634398	1	540	15	0.0335976
0.0998837	1	859	24	0.0336064
0.0775294	1	659	16	0.0336064
0.105059	1	893	20	0.0336064
0.0700234	1	598	17	0.0336329
0.0821176	1	698	15	0.0336417
0.0832762	1	729	21	0.0336594
0.0688359	1	861	20	0.0336594
0.0816471	1	694	19	0.0336594
0.0618824	1	526	14	0.0336682
0.0873967	1	751	21	0.0336682
0.139995	1	1195	34	0.033677
0.0800278	1	690	16	0.0336858
0.0217211	1	735	21	0.03373
0.0763529	1	649	16	0.0337388
0.143647	1	1221	43	0.0337388
0.0200184	1	654	17	0.0337476
0.0278847	1	500	14	0.0337565
0.0921176	1	783	22	0.0337653
0.0376441	1	1479	41	0.0337918
0.0749412	1	637	11	0.0338271

0.0718519	1	885	25	0.0338536
0.0743529	1	632	18	0.0338536
0.0777889	1	698	19	0.0338624
0.0764623	1	651	16	0.0338801
0.0703717	1	604	17	0.0339418
0.062478	1	532	15	0.0339418
0.0753237	1	1018	24	0.0340389
0.0988733	1	1018	24	0.0340389
0.0810934	1	1071	30	0.0340566
0.0747059	1	635	18	0.0340566
0.114353	1	972	27	0.0340743
0.0875029	1	745	16	0.0340743
0.126118	1	1072	28	0.0340919
0.0843529	1	717	14	0.0341007
0.0400982	1	719	20	0.0341096
0.0756471	1	643	19	0.0341184
0.0400526	1	579	13	0.0341184
0.0905882	1	770	39	0.0341184
0.0887059	1	754	21	0.0341184
0.120258	1	1024	28	0.0341272
0.0908136	1	778	16	0.0341272
0.0784792	1	675	19	0.0341272
0.0707233	1	616	15	0.0341449
0.149086	1	1272	30	0.0341802
0.088	1	748	21	0.0341802
0.0166085	1	562	16	0.034189
0.0945019	1	813	22	0.034189
0.0933302	1	799	19	0.034189
0.0661693	1	816	23	0.0341978
0.0612941	1	521	14	0.0342067
0.126471	1	1075	23	0.0342243
0.101882	1	866	25	0.0342596
0.0807059	1	686	17	0.0342861
0.0764638	1	666	19	0.0343038
0.0722022	1	620	18	0.0343214
0.0689013	1	740	21	0.0343391
0.127176	1	1081	30	0.0343391
0.108485	1	1019	26	0.0343391
0.0983529	1	836	24	0.0343479
0.0958824	1	815	23	0.0343479
0.0644826	1	683	14	0.0343832
0.072	1	612	14	0.0344009
0.0789412	1	671	18	0.0344009
0.0699651	1	741	21	0.0344009
0.102249	1	1032	29	0.0344009
0.0700847	1	596	17	0.0345245
0.0779068	1	664	19	0.0347098



0.0754118	1	641	18	0.0347275
0.0787531	1	672	19	0.0348069
0.0940669	1	807	23	0.0348158
0.0627059	1	533	15	0.0350718
0.0713145	1	625	17	0.0351512
0.07	1	595	12	0.0351777
0.0699202	1	596	16	0.0352218
0.0751765	1	639	18	0.0352571
0.074495	1	649	17	0.0352836
0.0460413	1	617	13	0.0353101
0.072322	1	636	18	0.0354249
0.07	1	595	17	0.0354337
0.092	1	782	22	0.035522
0.0725882	1	617	15	0.0355308
0.0694118	1	590	17	0.0355485
0.0748235	1	636	17	0.0356103
0.0649887	1	630	18	0.0357338
0.0418771	1	622	17	0.0357868
0.0366723	1	525	10	0.0358839
0.0354538	1	598	15	0.0358839
0.0710588	1	604	14	0.0361575
0.0757113	1	644	18	0.0361575
0.0363896	1	612	13	0.0364047
0.07189	1	612	13	0.0364047
0.0927059	1	788	16	0.0364136
0.0736471	1	626	16	0.0364842
0.0481484	1	667	15	0.036546
0.0669412	1	569	15	0.0365989
0.0705882	1	600	16	0.0366166
0.0717642	1	611	17	0.0367578
0.105494	1	1108	30	0.0367755
0.0897647	1	763	15	0.0367843
0.0716435	1	619	17	0.036802
0.0377358	1	636	16	0.0368373
0.0754118	1	641	18	0.0369256
0.111294	1	946	19	0.0371021
0.0806903	1	692	20	0.0371286
0.0742402	1	662	19	0.0371727
0.0942353	1	801	22	0.0371727
0.0702353	1	597	16	0.0371815
0.137248	1	1171	32	0.037208
0.0459685	1	683	17	0.0372169
0.0277973	1	634	18	0.0372169
0.0811765	1	690	19	0.0372522
0.0388948	1	656	15	0.0373316
0.0775294	1	659	19	0.0374199
0.0754118	1	641	15	0.0374729

0.076	1	646	17	0.037517
0.0776471	1	660	16	0.0375788
0.0532396	1	636	18	0.0375876
0.0807059	1	686	17	0.0376141
0.110367	1	939	26	0.0376229
0.0678035	1	839	24	0.0376406
0.0795294	1	676	17	0.0376759
0.0766792	1	653	13	0.0377642
0.0749442	1	638	18	0.0377818
0.0705732	1	607	17	0.0378524
0.0731765	1	622	11	0.037976
0.0997647	1	848	24	0.0380378
0.103762	1	902	25	0.0380555
0.0717012	1	620	14	0.0380555
0.0817179	1	704	20	0.0382408
0.0917647	1	780	22	0.038285
0.0216214	1	591	17	0.0385675
0.0905882	1	770	20	0.0385763
0.104353	1	887	25	0.0386028
0.0658428	1	634	12	0.0386911
0.0484535	1	636	18	0.0387529
0.0710274	1	607	17	0.0387793
0.0885882	1	753	20	0.0388146
0.0678204	1	580	13	0.0388235
0.0409412	1	348	10	0.0388853
0.0822755	1	700	20	0.0388941
0.0804706	1	684	19	0.0389029
0.0742944	1	637	12	0.0389294
0.0520265	1	629	12	0.0389735
0.0650129	1	553	16	0.0390088
0.0683237	1	602	15	0.0390177
0.0716471	1	609	16	0.0390353
0.0737647	1	627	13	0.0391148
0.0727059	1	618	10	0.0392119
0.0701098	1	600	11	0.0392384
0.0705882	1	600	17	0.039256
0.0725029	1	617	15	0.0392913
0.0358234	1	598	17	0.0392913
0.0703529	1	598	17	0.0392913
0.0880121	1	754	14	0.0392913
0.0727145	0.982622	633	18	0.0393973
0.0714118	1	607	16	0.0395738
0.0806772	1	691	19	0.0396797
0.0716529	1	616	17	0.0397768
0.0301407	1	861	24	0.0397768
0.0713449	1	609	12	0.039971
0.0689412	1	586	14	0.0399799

0.102824	1	874	25	0.0399887
0.0731394	1	626	12	0.0400064
0.0677584	1	662	17	0.0401917
0.0711765	1	605	17	0.0402447
0.0841176	1	715	20	0.0402623
0.0761176	1	647	12	0.0402977
0.0499856	1	694	20	0.0403065
0.114706	1	975	27	0.0403595
0.075394	1	641	16	0.0403595
0.039415	1	574	16	0.0403683
0.0827456	1	704	19	0.0403683
0.0601376	1	708	20	0.0403771
0.045848	1	392	11	0.0404477
0.085848	1	734	21	0.0404742
0.0704706	1	599	17	0.040483
0.0327059	0.468013	594	17	0.040483
0.0628235	1	534	24	0.0405184
0.0404295	1	610	11	0.0405184
0.0703529	1	598	15	0.0405448
0.0958824	1	815	21	0.0407214
0.0698439	1	595	17	0.0407214
0.07	1	595	17	0.0407214
0.0267278	1	758	18	0.0407655
0.0260931	1	518	14	0.0407832
0.0525882	1	447	11	0.040792
0.0722228	1	656	18	0.0408008
0.08	1	680	12	0.0408626
0.122941	1	1045	28	0.0408714
0.0553536	1	670	14	0.0408714
0.0384111	1	645	18	0.0409597
0.0698084	1	594	15	0.0409862
0.03179	1	574	11	0.040995
0.0719812	1	614	17	0.040995
0.110353	1	938	26	0.040995
0.0754629	1	644	12	0.0410039
0.0694118	1	590	17	0.0410215
0.0928235	1	789	20	0.0410304
0.0751765	1	639	18	0.0410304
0.0683529	1	581	11	0.041048
0.0506978	1	861	25	0.041101
0.0716302	1	609	17	0.0411098
0.0765335	1	680	19	0.0411098
0.044606	1	595	16	0.0411981
0.072	1	612	15	0.0412157
0.0390548	1	633	18	0.0412687
0.0777647	1	661	19	0.0413481
0.0682353	1	580	10	0.0414364

0.0857647	1	729	21	0.0414541
0.0709428	1	605	17	0.0414541
0.0604706	1	514	15	0.0415159
0.0771765	1	656	13	0.0415335
0.0767059	1	652	18	0.0415777
0.0688647	1	589	16	0.0416483
0.0975294	1	829	23	0.0416571
0.0326069	1	597	14	0.0417101
0.0998247	1	854	24	0.0417189
0.0714118	1	607	17	0.0417189
0.0697647	1	593	17	0.0418072
0.0695193	1	593	15	0.0418072
0.0799344	1	682	19	0.041816
0.0675967	1	596	16	0.0418513
0.0769412	1	654	18	0.041869
0.0767065	1	654	18	0.041869
0.0783529	1	666	19	0.041869
0.104118	1	885	25	0.0418778
0.0477647	1	406	10	0.0419131
0.0832062	0.99439	713	18	0.0419219
0.0704225	1	600	17	0.0419308
0.0729228	1	624	18	0.0419396
0.0784044	1	684	16	0.0420014
0.0275127	1	594	14	0.042019
0.110133	1	938	20	0.0420543
0.0836471	1	711	20	0.0421161
0.086	1	731	17	0.0421161
0.0779175	1	663	18	0.0421691
0.0810335	1	690	13	0.0422309
0.0811097	1	690	20	0.0422662
0.0746917	1	636	17	0.0422662
0.0744555	1	694	15	0.0423457
0.0751765	1	639	18	0.0423545
0.0904482	1	785	20	0.0423721
0.0851364	1	724	17	0.0424074
0.0588292	1	607	10	0.0425487
0.0720414	1	613	17	0.0425487
0.0729412	1	620	17	0.0425928
0.0700973	1	598	17	0.0426016
0.0777647	1	661	17	0.0426016
0.0711765	1	605	12	0.0426105
0.0486626	1	564	16	0.0426634
0.0897647	1	763	21	0.0426723
0.0787562	1	694	20	0.0426723
0.0763529	1	649	16	0.0427252
0.0615466	1	585	16	0.0428135
0.0769412	1	654	18	0.0428488

0.0540346	1	602	11	0.0428841
0.0112595	1	381	11	0.0428841
0.13165	1	1121	29	0.0429018
0.0761176	1	647	17	0.0429283
0.0499682	1	629	16	0.0429459
0.0705882	1	600	17	0.0429459
0.0519742	1	799	22	0.0429459
0.0928962	1	799	22	0.0429459
0.0727059	1	618	18	0.0430342
0.018207	0.580442	634	18	0.0430607
0.0769412	1	654	18	0.043096
0.0701176	1	596	17	0.0431136
0.0745882	1	634	18	0.0431666
0.0718824	1	611	17	0.0431666
0.0481231	1	591	11	0.0432107
0.0677707	1	577	16	0.0432196
0.0796687	1	683	13	0.0432461
0.0775822	1	661	18	0.0432461
0.0666115	1	644	18	0.0432461
0.0903529	1	768	17	0.0432461
0.0715457	1	611	17	0.0432461
0.0346817	1	589	17	0.0432461
0.070732	1	602	11	0.0432461
0.0765882	1	651	18	0.0432725
0.0276553	1	790	22	0.0432725
0.0739437	1	630	18	0.0432902
0.045203	1	588	16	0.043299
0.0728235	1	619	18	0.0433961
0.0725882	1	617	17	0.0434138
0.0624818	1	645	15	0.0434756
0.0702353	1	597	11	0.0434844
0.0821725	1	702	20	0.0435374
0.0285843	0.424749	598	17	0.0435462
0.0453017	1	714	16	0.043555
0.0515993	1	663	18	0.0435727
0.029104	1	637	18	0.0436168
0.0697647	1	593	17	0.0436786
0.0536425	1	458	12	0.0436874
0.073131	1	629	16	0.0437139
0.0844706	1	718	16	0.0437227
0.12873	1	1169	33	0.0437227
0.0698542	1	599	17	0.0437404
0.0909624	1	775	22	0.043758
0.0624706	1	531	13	0.0437669
0.0402142	1	661	16	0.0437757
0.0507799	1	433	12	0.0437757
0.0716467	1	610	13	0.0437757

0.0800797	1	683	13	0.0437757
0.0733708	1	626	17	0.0437845
0.0721176	1	613	13	0.043811
0.0909412	1	773	22	0.043811
0.0625882	0.757835	702	13	0.043811
0.0825882	1	702	13	0.043811
0.0874118	1	743	19	0.043811
0.0742918	1	632	17	0.0439081
0.0601176	1	511	10	0.0439258
0.0811765	1	690	20	0.0439346
0.080507	1	686	14	0.0439434
0.0745918	1	635	18	0.0439434
0.0448235	1	381	10	0.0439434
0.074933	1	643	18	0.0439523
0.082154	1	714	19	0.0439523
0.0905882	1	770	19	0.0439611
0.0722353	1	614	16	0.0439611
0.0804422	1	684	19	0.0439611
0.0759334	1	844	24	0.0440052
0.068	1	578	14	0.0440141
0.0694118	1	590	16	0.0440229
0.0694118	1	590	17	0.0440229
0.0722849	1	615	17	0.0440405
0.0692711	1	594	12	0.0440759
0.0812941	1	691	18	0.0440935
0.054	1	459	11	0.0440935
0.0704706	1	599	17	0.04412
0.0627345	1	535	15	0.04412
0.0711765	1	605	17	0.0441288
0.0290844	1	648	18	0.0441465
0.0393983	1	461	13	0.0441465
0.0677566	1	775	22	0.044173
0.0701878	1	598	17	0.044173
0.0891765	1	758	14	0.0441906
0.0736261	1	627	18	0.0441906
0.0535578	1	703	15	0.0441906
0.0384959	1	604	17	0.0441906
0.0710588	1	604	17	0.0441906
0.0614862	1	868	23	0.0442171
0.0729412	1	620	10	0.0442436
0.0727059	1	618	14	0.0442524
0.0714286	1	634	18	0.0442524
0.0835294	1	710	20	0.0442612
0.0438056	1	675	17	0.0442612
0.0759211	1	647	18	0.0442612
0.0690824	1	591	16	0.04427
0.0897677	1	765	21	0.0442877

0.0756471	1	643	18	0.0443054
0.040431	1	349	10	0.0443495
0.0696471	1	592	12	0.0444025
0.0743122	1	786	21	0.0444378
0.065369	1	581	15	0.0444378
0.0672456	1	573	16	0.0444554
0.0766878	1	652	16	0.0444554
0.117566	1	1018	27	0.0444907
0.0862353	1	733	19	0.0444996
0.0687691	1	676	19	0.0445172
0.0822353	1	699	20	0.0445878
0.0698824	1	594	17	0.0446143
0.0396848	1	685	20	0.0447291
0.0574941	1	491	13	0.0447291
0.0354008	1	722	20	0.0447291
0.0845385	1	719	20	0.0447291
0.0701176	1	596	13	0.0447467
0.0848235	1	721	16	0.0447556
0.0898345	1	798	21	0.0447556
0.0235595	1	673	19	0.0447556
0.0719737	1	613	15	0.0447644
0.0715624	1	611	17	0.0447644
0.0536664	1	464	13	0.0447644
0.072292	1	616	17	0.0448262
0.0325882	0.452614	612	13	0.0448262
0.0713202	1	611	17	0.044835
0.0802353	1	682	16	0.0448703
0.0704706	1	599	17	0.0448703
0.0716471	1	609	16	0.0448968
0.0268465	1	639	18	0.0449674
0.0639128	1	639	18	0.0449762
0.0708947	1	607	17	0.0449851
0.0465599	1	695	20	0.0450292
0.0698824	1	594	17	0.0450292
0.0774118	1	658	18	0.0450469
0.0730626	1	626	13	0.0450469
0.0702353	1	597	17	0.0450469
0.0581979	1	591	17	0.0450557
0.0798824	1	679	17	0.0450645
0.0180566	1	611	17	0.0450822
0.0639515	1	548	14	0.045091
0.0660417	1	634	16	0.045091
0.0812941	1	691	19	0.045091
0.0738225	1	652	18	0.0451087
0.117744	1	1004	28	0.0451175
0.064346	1	549	16	0.0451263
0.0522353	1	444	13	0.0451263

0.089917	1	791	15	0.0451263
0.071871	1	615	17	0.0451528
0.0715459	1	610	17	0.0451793
0.0711619	1	610	17	0.0451793
0.0727059	1	618	10	0.0452058
0.0454545	1	599	17	0.0452234
0.106531	1	964	26	0.0452323
0.0455174	1	691	17	0.0452764
0.0956471	1	813	13	0.0452852
0.0903529	1	768	22	0.0453029
0.0728235	1	619	14	0.0453029
0.0764706	1	650	17	0.0453117
0.0204153	0.269231	650	17	0.0453117
0.0776288	1	660	19	0.0453205
0.0762353	1	648	12	0.0453382
0.0818672	1	698	19	0.0453382
0.0847059	1	720	15	0.0453647
0.0698824	1	594	17	0.0453823
0.0375169	1	637	18	0.0454
0.123176	1	1047	22	0.0454
0.0715294	1	608	17	0.0454
0.0531469	1	760	18	0.0454265
0.0557647	1	474	14	0.0454353
0.0641577	1	612	17	0.0454618
0.0665882	1	566	14	0.0454618
0.068925	1	586	16	0.0454706
0.0666439	1	586	16	0.0454706
0.0432358	1	597	15	0.0454971
0.114057	1	981	27	0.0455147
0.0726932	1	620	18	0.0455942
0.0787059	1	669	19	0.0456118
0.0694118	1	590	17	0.0456118
0.0397647	1	338	10	0.0456207
0.0676471	0.991379	580	10	0.045656
0.0874985	1	744	21	0.045656
0.0817477	1	696	20	0.045656
0.103529	1	880	25	0.0456648
0.0661176	1	562	16	0.0456736
0.030051	1	607	15	0.0456913
0.0426193	1	617	12	0.0456913
0.0716471	1	609	17	0.0457001
0.058626	1	611	17	0.0457178
0.021109	1	603	17	0.0457531
0.0458864	1	396	11	0.0457619
0.068893	1	590	17	0.0457707
0.0407771	1	531	29	0.0457707
0.0697647	1	593	16	0.0457796



0.0812941	1	691	20	0.0457884
0.0803395	1	691	20	0.0457884
0.0689412	1	586	14	0.0458149
0.0790588	1	672	13	0.0458414
0.0704706	1	599	13	0.0458414
0.0737497	1	640	17	0.0458414
0.0810938	1	691	16	0.045912
0.0970588	1	825	23	0.0459561
0.0727529	1	620	16	0.0459561
0.062	1	527	15	0.0459914
0.0693777	1	592	17	0.0459914
0.0731765	1	622	16	0.0459914
0.0790554	1	770	16	0.0459914
0.0245882	0.349498	598	16	0.0460091
0.0697406	1	605	17	0.0460091
0.0718824	1	611	11	0.0460091
0.0789899	1	782	22	0.0460444
0.0696471	1	592	17	0.0460444
0.0751921	1	685	18	0.0460444
0.107276	1	923	22	0.0460532
0.0803529	1	683	19	0.046062
0.0658373	1	598	11	0.046062
0.0353721	1	598	11	0.046062
0.0805666	1	728	20	0.046062
0.0688761	1	611	16	0.0460885
0.0507793	1	808	18	0.0460885
0.0510596	1	665	19	0.0460885
0.0798824	1	679	19	0.0460973
0.0925948	1	789	12	0.0460973
0.0749472	1	639	17	0.0460973
0.0749912	1	639	17	0.0460973
0.0688574	1	593	17	0.046115
0.0495115	1	598	17	0.0461238
0.0743529	1	632	17	0.0461327
0.0740697	1	631	17	0.0461327
0.0736175	1	627	18	0.046168
0.0315627	1	593	17	0.0461944
0.10832	1	927	26	0.0461944
0.0685882	1	583	13	0.0462033
0.0794118	1	675	19	0.0462121
0.0690588	1	587	12	0.0462298
0.08	1	680	19	0.0462298
0.0771308	1	657	19	0.0462474
0.0342924	0.448541	651	19	0.0462739
0.0485654	0.971765	425	10	0.0462739
0.0831765	1	707	20	0.0462739
0.0688113	1	631	17	0.0462739

0.0942353	1	801	19	0.0462827
0.0433774	1	486	14	0.0462827
0.0073961	0.0989011	637	23	0.0462916
0.0735895	1	630	17	0.0463092
0.0767059	1	652	18	0.046318
0.0794118	1	675	19	0.046318
0.0092495	0.124019	637	17	0.0463445
0.0735294	1	625	13	0.0463622
0.0698439	1	595	17	0.0463622
0.0618824	1	526	15	0.046371
0.0712941	1	606	15	0.046371
0.0708228	1	618	18	0.0463798
0.0635228	1	590	11	0.0463798
0.0396074	1	339	10	0.0463887
0.0162132	1	637	17	0.046424
0.0714118	1	607	17	0.046424
0.0715294	1	608	14	0.046424
0.0735294	1	625	18	0.0464328
0.0755294	1	642	12	0.0464328
0.0963529	1	819	23	0.0464681
0.0574308	1	490	10	0.0464769
0.076977	1	659	18	0.0464769
0.070555	1	600	17	0.0465034
0.0672825	1	590	11	0.0465211
0.0620673	1	529	11	0.0465652
0.103294	1	878	24	0.046574
0.103294	1	878	24	0.046574
0.073909	1	630	17	0.0466005
0.050749	1	620	14	0.0466005
0.0709302	1	610	13	0.0466182
0.0860266	1	732	20	0.0466447
0.0231263	1	739	21	0.0466447
0.0618599	1	610	15	0.0466447
0.0661532	1	670	13	0.0466447
0.0685678	1	642	16	0.0466447
0.0697237	1	593	17	0.0466447
0.0801177	1	681	15	0.0467064
0.0781525	1	665	18	0.0467418
0.070262	1	598	13	0.0467418
0.0658297	1	603	17	0.0467418
0.0267983	1	760	22	0.0467418
0.0933678	1	794	22	0.0467506
0.0675376	1	579	11	0.0467771
0.116706	1	992	25	0.0467947
0.0685774	1	591	12	0.0468124
0.0376564	1	590	16	0.0468124
0.0827651	1	704	20	0.0468124

0.0974118	1	828	20	0.04683
0.0513364	1	678	18	0.04683
0.0991511	1	876	18	0.04683
0.0426991	1	467	12	0.04683
0.0704439	1	603	17	0.0468565
0.0703529	1	598	15	0.0468565
0.0707059	1	601	17	0.0468565
0.0496792	1	604	14	0.0468565
0.0724706	1	616	17	0.0468918
0.0467033	1	612	14	0.0469271
0.0492264	1	420	12	0.0469271
0.0809636	1	689	19	0.0469713
0.0754118	1	641	18	0.0469801
0.0763529	1	649	18	0.0469889
0.0775294	1	659	18	0.0469889
0.0535294	1	455	13	0.0469889
0.0794578	1	680	19	0.0469889
0.0706241	1	602	17	0.0469889
0.0583039	1	594	17	0.0469889
0.115647	1	983	28	0.0469978
0.0664254	1	569	11	0.0470154
0.108718	1	939	25	0.0470154
0.0694118	1	590	17	0.0470154
0.0754935	1	654	13	0.0470154
0.0707757	1	604	16	0.0470596
0.0429767	1	637	18	0.0470596
0.094404	1	803	20	0.0470596
0.0707403	1	602	17	0.0470596
0.133059	1	1131	31	0.0470684
0.0707059	1	601	17	0.0471125
0.0689412	1	586	17	0.0471302
0.0885681	1	767	22	0.0471302
0.0876271	1	767	22	0.0471302
0.0710177	1	605	16	0.0471302
0.0896471	1	762	22	0.0471743
0.0698824	1	594	17	0.0471743
0.0742353	1	631	18	0.0472008
0.0830588	1	706	20	0.0472008
0.0697647	1	593	17	0.0472008
0.0707059	1	601	17	0.0472096
0.0349613	1	907	25	0.0472096
0.0316759	1	516	14	0.0472449
0.0785882	1	668	18	0.0472449
0.0649412	1	552	12	0.0472714
0.0523321	1	607	17	0.0472891
0.0754318	1	642	17	0.0472891
0.0753012	1	850	22	0.0472891

0.0705009	1	608	10	0.0473332
0.069205	1	598	13	0.047342
0.0696203	1	594	13	0.047342
0.0703529	1	598	17	0.047342
0.0607955	1	564	16	0.047342
0.0862353	1	733	21	0.0473773
0.0514049	1	644	18	0.0473773
0.0538824	1	458	12	0.0473862
0.0689736	1	590	17	0.0473862
0.0699088	1	598	17	0.0473862
0.0931568	1	795	22	0.0473862
0.0694594	1	645	18	0.0473862
0.0690588	1	587	12	0.0474126
0.0695294	1	591	16	0.047448
0.0558743	1	487	10	0.0475098
0.0636471	1	541	16	0.0475451
0.0427059	1	363	10	0.0475451
0.0691765	1	588	15	0.0475804
0.0360778	0.542517	588	15	0.0475804
0.0601495	1	531	10	0.0475804
0.0697892	1	596	16	0.0475804
0.0681475	1	586	15	0.0475804
0.0554004	1	595	15	0.0475892
0.0702353	1	597	17	0.047598
0.0856471	1	728	17	0.047598
0.0376073	1	767	21	0.0476245
0.0461709	1	709	20	0.0476245
0.0818824	1	696	20	0.0476333
0.0795294	1	676	19	0.0476422
0.072299	1	617	18	0.047651
0.0869742	1	856	32	0.0476775
0.111486	1	959	23	0.0476775
0.0705615	1	622	18	0.047704
0.031566	1	615	17	0.047704
0.0463759	1	604	12	0.0477216
0.0898824	1	764	20	0.0477481
0.0735294	1	625	17	0.0477569
0.0293982	1	636	15	0.0477746
0.0711955	1	611	17	0.0477922
0.0541424	1	464	13	0.0478011
0.0866142	1	748	21	0.0478187
0.0641176	1	545	15	0.0478187
0.0717726	1	611	17	0.0478364
0.0822353	1	699	18	0.0478717
0.0812941	1	691	20	0.0478805
0.0717095	1	620	17	0.0478805
0.053219	0.851504	532	12	0.0478982

0.0618824	1	526	14	0.047907
0.0686636	1	596	17	0.0479158
0.0688235	1	585	16	0.0479246
0.0700809	1	598	16	0.0479246
0.072	1	612	14	0.0479246
0.070106	1	602	14	0.0479335
0.0675906	1	595	13	0.0479335
0.0696471	1	592	17	0.0479423
0.043662	1	372	11	0.0479511
0.0656643	1	559	16	0.04796
0.0754118	1	641	18	0.04796
0.0925882	1	787	22	0.0479864
0.0821228	1	701	13	0.0479864
0.0854118	1	726	19	0.0479953
0.0867059	1	737	21	0.0480041
0.0705882	1	600	17	0.0480041
0.127529	1	1084	30	0.0480129
0.0664635	1	567	15	0.0480306
0.0642507	1	656	17	0.0480306
0.0401818	1	610	11	0.0480394
0.0689412	1	586	16	0.0480571
0.071831	1	612	13	0.0480659
0.0421436	1	891	25	0.0480659
0.0698327	1	597	17	0.0480747
0.0710588	1	604	17	0.0480835
0.0629327	1	609	17	0.0480924
0.0718824	1	611	17	0.0480924
0.0890588	1	757	21	0.0480924
0.0654118	1	556	16	0.0480924
0.0782353	1	665	19	0.04811
0.128118	1	1089	31	0.04811
0.0499807	1	777	22	0.0481365
0.10221	1	874	15	0.0481718
0.0707059	1	601	17	0.0481895
0.100471	1	854	24	0.0481895
0.0712211	1	613	17	0.0482071
0.0865238	1	739	12	0.0482071
0.088194	1	753	17	0.0482071
0.0757647	1	644	18	0.0482601
0.043728	1	373	11	0.0482689
0.0765882	1	651	18	0.0482954
0.0418224	1	593	17	0.0483219
0.0806396	1	696	20	0.048366
0.0722353	1	614	18	0.0483925
0.0398824	1	339	10	0.0483925
0.047393	1	619	16	0.0483925
0.0712941	1	606	16	0.0484013

0.0789412	1	671	19	0.0484278
0.0372667	1	607	17	0.0484366
0.0509686	1	592	11	0.0484366
0.0646644	1	605	17	0.0484366
0.0715294	1	608	14	0.0484366
0.025292	1	602	16	0.0484455
0.0755294	1	642	12	0.0485073
0.0698824	1	594	14	0.0485249
0.0709412	1	603	17	0.0485426
0.101412	1	862	18	0.0485426
0.0655499	1	630	12	0.0485426
0.025166	1	599	17	0.0485514
0.0205146	1	806	23	0.0485514
0.0562818	1	620	10	0.0485602
0.0805125	1	685	19	0.0485691
0.0643591	1	595	17	0.0485691
0.0687059	1	584	13	0.0485691
0.0489515	1	691	16	0.0485691
0.0721069	1	615	16	0.0485691
0.0701176	1	596	13	0.0485779
0.0711765	1	605	18	0.0485779
0.0902353	1	767	21	0.0486132
0.0778823	1	662	19	0.048622
0.0689979	1	588	17	0.048622
0.0700541	1	699	20	0.048622
0.0710928	1	605	17	0.048622
0.0853659	1	819	22	0.048622
0.0172567	1	678	19	0.0486397
0.0780627	1	685	18	0.0486662
0.0699835	1	595	12	0.0486662
0.0633721	1	545	10	0.0486662
0.0601176	1	511	15	0.0486662
0.0723469	1	619	17	0.048675
0.0534236	1	600	16	0.048675
0.0854118	1	726	18	0.048675
0.0751993	1	651	17	0.0487368
0.0650588	1	553	16	0.0487456
0.0765572	1	660	18	0.0487456
0.0778597	1	665	19	0.0487544
0.119647	1	1017	28	0.0487544
0.0707059	1	601	17	0.0487721
0.0704159	1	601	17	0.0487721
0.108941	1	926	25	0.0487721
0.0827602	1	710	20	0.0487898
0.0727059	1	618	14	0.0488162
0.0702353	1	597	17	0.0488162
0.0901572	1	774	19	0.0488251

0.0908131	1	774	19	0.0488251
0.02751	1	528	15	0.0488339
0.0621176	1	528	15	0.0488339
0.0721176	1	613	18	0.0488604
0.0708006	1	604	17	0.0488604
0.0522085	1	604	17	0.0488604
0.0353526	1	590	16	0.0488604
0.0768869	1	654	18	0.0488604
0.0803529	1	683	18	0.0488604
0.056042	1	480	10	0.0488604
0.051557	1	649	18	0.0488604
0.0300508	1	592	16	0.0488604
0.0622382	1	743	18	0.0488692
0.0768516	1	662	18	0.0488692
0.0652547	1	684	15	0.0488692
0.0722353	1	614	17	0.0488692
0.0742424	1	637	18	0.0488692
0.0763529	1	649	16	0.048878
0.0705882	1	600	17	0.048878
0.0771761	1	657	16	0.048878
0.0727209	1	619	18	0.0488869
0.0689776	1	589	17	0.0488869
0.110259	1	963	25	0.0489222
0.0712941	1	606	17	0.0489398
0.0710588	1	604	13	0.0489398
0.0706211	1	606	12	0.0489575
0.0427488	1	586	16	0.0489751
0.0745043	1	635	18	0.048984
0.0714118	1	607	17	0.0489928
0.0717122	1	614	13	0.0489928
0.0695294	1	591	17	0.0489928
0.0684561	1	607	17	0.0490193
0.101882	1	866	25	0.0490369
0.0475071	1	404	12	0.0490457
0.0747059	1	635	18	0.049081
0.0569058	1	487	11	0.0490899
0.0413582	1	514	14	0.0491164
0.0958824	1	815	15	0.0491164
0.0772941	1	657	18	0.0491252
0.0841176	1	715	20	0.0491428
0.0696495	1	632	18	0.0491428
0.0624706	1	531	11	0.0491428
0.0689412	1	586	17	0.0491428
0.048511	1	606	17	0.0491693
0.0959643	1	818	18	0.0491782
0.0878799	1	749	21	0.0491782
0.0923529	1	785	22	0.0491782

0.0581176	1	494	10	0.0492135
0.0709112	1	607	15	0.0492223
0.0623529	1	530	15	0.0492223
0.0711765	1	605	14	0.0492576
0.0634396	1	633	18	0.0493194
0.0788362	1	672	16	0.0493282
0.0725882	1	617	17	0.0493547
0.0823529	1	700	20	0.0493635
0.0704903	1	601	17	0.04939
0.0702021	1	601	17	0.04939
0.054202	1	594	17	0.04939
0.0695294	1	591	13	0.0494165
0.0693906	1	591	13	0.0494165
0.0727889	1	623	18	0.0494342
0.0718824	1	611	17	0.0494342
0.0702557	1	599	17	0.0494518
0.0704706	1	599	17	0.0494518
0.0999534	1	858	24	0.049496
0.0215465	1	620	18	0.0495136
0.0261559	1	620	18	0.0495136
0.0655195	1	594	17	0.0495136
0.0708235	1	602	17	0.0495136
0.0691765	1	588	17	0.0495224
0.0691709	1	604	14	0.0495401
0.0707591	1	604	14	0.0495401
0.0850797	1	747	17	0.0495401
0.0709412	1	603	17	0.0495489
0.0685621	1	586	16	0.0495489
0.0613554	1	593	15	0.0495577
0.0650234	1	612	16	0.0495666
0.0732941	1	623	17	0.0495842
0.0775852	1	676	17	0.0495842
0.0755821	1	646	18	0.0495842
0.0812224	1	699	18	0.0495842
0.0714118	1	607	16	0.0495842
0.0703529	1	598	16	0.0495931
0.0696269	1	599	12	0.0496019
0.0447408	1	567	14	0.0496284
0.0691071	1	589	17	0.0496284
0.0700362	1	600	14	0.0496372
0.0581737	1	495	10	0.0496372
0.0456436	1	395	11	0.0496637
0.0689412	1	586	16	0.0496637
0.0724365	1	616	17	0.0496637
0.0705882	1	600	17	0.0496725
0.0312922	1	440	13	0.0496901
0.0793557	1	675	18	0.0496901



0.0665882	1	566	13	0.0497166
0.0556471	0.849192	557	16	0.0497255
0.0856471	1	728	21	0.0497255
0.0542534	1	537	38	0.0497608
0.101828	1	880	25	0.0497608
0.0722425	1	615	17	0.0497608
0.0685308	1	598	12	0.0497608
0.102941	1	875	25	0.0497696
0.0643529	1	547	14	0.0497784
0.065439	1	597	17	0.0498226
0.072	1	612	17	0.0498226
0.0715373	1	611	17	0.0498226
0.0722353	1	614	15	0.0498314
0.0463529	1	394	11	0.0498402
0.0632955	1	547	15	0.0498402
0.0764706	1	650	18	0.0498579
0.0717647	1	610	14	0.0498755
0.0702868	1	598	11	0.0498844
0.0685157	1	583	16	0.0498844
0.049569	1	690	15	0.0498844
0.080611	1	686	17	0.0498932
0.0957647	1	814	23	0.0499285
0.0468933	1	400	12	0.0499285
0.0464809	1	599	10	0.0499285
0.0725882	1	617	14	0.0499285
0.0711765	1	605	17	0.0499285
0.0696471	1	592	17	0.0499462
0.0688359	1	586	16	0.049955
0.0776471	1	660	17	0.049955
0.0709602	1	606	14	0.0499638
0.0974118	1	828	23	0.0499638
0.0686836	1	588	17	0.0499815
0.0677811	1	592	16	0.0499815
0.0392413	1	602	14	0.0499903
0.0388062	1	602	14	0.0499903
0.0832161	1	710	20	0.0499991

Fraction of negatively enriched windows in region

MAT-score on T(H3K9me3WTFH vs. control)

0	30.0439
0	17.6748
0	17.4832
0	14.4979
0	14.4241
0	14.4182
0	13.7909
0	13.4972
0	13.0951
0	13.0645
0	12.0556
0	12.0148
0	11.875
0	11.8501
0	11.3908
0	11.3908
0	11.2991
0	11.2692
0	11.1766
0	11.0064
0	10.8868
0	10.8868
0	10.5692
0	10.5293
0	10.5061
0	10.4466
0	10.3294
0	10.3005
0	10.1605
0	10.1538
0	10.1475
0	10.1439
0	10.1406
0	10.0754
0	10.073
0	10.0573
0	10.0433
0	10.0363
0	10.0283
0	10.0045
0	9.97339
0	9.81791
0	9.80177
0	9.78055

0	9.77258
0	9.59842
0	9.49463
0	9.49463
0	9.48337
0	9.45307
0	9.34862
0	9.32652
0	9.3219
0	9.29736
0	9.23742
0	9.23022
0	9.21864
0	9.16942
0	9.16436
0	9.15871
0	9.15404
0	9.11317
0	9.10715
0	9.08449
0	9.0768
0	9.0768
0	9.0759
0	9.0671
0	9.04418
0	9.00285
0	8.91114
0	8.85823
0	8.85082
0	8.81036
0	8.59531
0	8.54944
0	8.4706
0	8.45881
0	8.44333
0	8.43416
0	8.42352
0	8.40765
0	8.40325
0	8.39537
0	8.38999
0	8.37252
0	8.37252
0	8.37016
0	8.36231
0	8.3399
0	8.32472

0	8.306
0	8.29062
0	8.29009
0	8.26645
0	8.19278
0	8.18598
0	8.16832
0	8.16327
0	8.15284
0	8.13864
0	8.13734
0	8.13734
0	8.13094
0	8.12811
0	8.12535
0	8.11509
0	8.11348
0	8.10309
0	8.10119
0	8.09734
0	8.08056
0	8.05437
0	8.05184
0	8.05184
0	8.04888
0	8.04697
0	8.04592
0	8.03995
0	8.03265
0	8.02477
0	8.024
0	8.02269
0	8.0198
0	8.01943
0	8.01429
0	8.01242
0	8.007
0	8.00245
0	8.00027
0	7.9934
0	7.97568
0	7.92886
0	7.92183
0	7.91998
0	7.90717
0	7.82099
0	7.79573

0	7.77218
0	7.72266
0	7.70204
0	7.70183
0	7.69032
0	7.66888
0	7.66825
0	7.65585
0	7.63702
0	7.6285
0	7.61366
0	7.59761
0	7.5652
0	7.54663
0	7.53774
0	7.52099
0	7.48519
0	7.46589
0	7.46416
0	7.44769
0	7.43471
0	7.43093
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0	7.42681
0	7.41744
0	7.41667
0	7.4007
0	7.37916
0	7.37683
0	7.3743
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0	7.35909
0	7.35846
0	7.34787
0	7.34739
0	7.33957
0	7.33647
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0	7.29716
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0	7.28647
0	7.27984

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0	7.18826
0	7.17964
0	7.17195
0	7.16126
0	7.15988
0	7.15453
0	7.15405
0	7.15345
0	7.15172
0	7.14998
0	7.14957
0	7.14522
0	7.13831
0	7.13573
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0	7.13263
0	7.12157
0	7.12107
0	7.11509
0	7.1139

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0	7.08322
0	7.07973
0	7.07898
0	7.07631
0	7.07337
0	7.07245
0	7.07027
0	7.06731
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0	7.06441
0	7.05022
0	7.04878
0	7.04563
0	7.04556
0	7.04448
0	7.04293
0	7.04203
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0	5.41765
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0	5.41658
0	5.41552

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0	5.40738
0	5.40703
0	5.40698
0	5.40599
0	5.40554
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**Gene List G4+/- H3K14ac Control Diet**

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16	4332316	4341034 NM_009624	chr16	4332519	4333100
14	4277097	4285596 NM_025940	chr14	4284757	4285903
14	4277097	4285596 NM_025940	chr14	4281430	4282388
14	4277097	4285596 NM_025940	chr14	4276615	4277908
12	4127363	4136575 NM_138305	chr12	4135804	4136502
2	4064143	4072643 NM_172475	chr2	4068428	4069323
4	4002162	4010661 BC125450	chr4	4007319	4007801
11	3958844	3967343 NM_001029937	chr11	3961567	3962158
11	3958844	3967343 NM_001029937	chr11	3959055	3959661
4	3944230	3952810 NM_181989	chr4	3950354	3951467
12	3948967	3957466 NM_008895	chr12	3948971	3949823
16	3946329	3955084 NM_010061	chr16	3947860	3948635
4	3944230	3952810 NM_181989	chr4	3947631	3948333
4	3898226	3906728 BC080838	chr4	3903379	3904036
4	3830356	3838855 AF057366	chr4	3831206	3832009
13	3831002	3839519 NM_020036	chr13	3831019	3831683
11	3789250	3797783 NM_173745	chr11	3797564	3798238
11	3792602	3801101 NM_026150	chr11	3797564	3798238
8	3746431	3754984 NM_133238	chr8	3752894	3753959
8	3659756	3668261 NM_026985	chr8	3665858	3666338
1	3659080	3667579 NM_001011874	chr1	3665408	3666106
5	3657010	3665651 NM_029141	chr5	3660366	3661358
12	3420884	3429400 NM_172421	chr12	3427144	3427854
5	3344318	3352828 NM_009873	chr5	3351220	3352347
2	3281342	3289863 NM_145921	chr2	3288001	3289027
8	3276677	3285176 NM_010568	chr8	3277288	3278213
2	3247364	3255874 NM_001013376	chr2	3249520	3250303
7_random	98374	106873 NM_133190	chr7_random	99070	99935



gene overlap percent	region overlap percent	length(bps)	probes in region	p-value(region)
0.0433347	1	722	20	0.038947
0.0696284	1	594	14	0.035928
0.065731	1	562	16	0.0158984
0.0694892	1	604	17	0.0246818
0.0673921	1	576	15	0.0338359
0.0453216	1	651	14	0.0210272
0.0547898	1	787	22	0.0359987
0.120471	1	1024	23	0.0352042
0.0707059	1	601	11	0.046574
0.0831765	1	707	17	0.0360958
0.0458853	1	707	19	0.047395
0.0633017	1	607	17	0.0434491
0.0703932	1	675	18	0.0310994
0.0562353	1	478	13	0.0247877
0.0717979	1	611	15	0.0409244
0.106981	1	921	23	0.024311
0.0768235	1	653	15	0.0463534
0.126941	1	1079	26	0.0332798
0.0812941	1	691	20	0.0358398
0.0805882	1	685	14	0.0303579
0.0479399	1	619	16	0.0462121
0.077826	1	663	19	0.021751
0.0456502	1	721	20	0.0433608
0.0837027	1	1322	33	0.046627
0.0728235	1	619	17	0.0297576
0.0747059	1	635	18	0.0489222
0.102353	1	870	16	0.0340831
0.0455672	1	772	21	0.0493547
0.0363003	1	615	17	0.0429812
0.0585527	1	992	24	0.0348776
0.0357691	1	606	17	0.0376847
0.056841	1	963	20	0.0483219
0.0744706	1	633	18	0.0439787
0.0978824	1	832	20	0.0335358
0.168588	1	1433	40	0.0241521
0.0890136	1	777	18	0.0349747
0.0712941	1	606	12	0.0327325
0.105647	1	898	20	0.0489751
0.0809412	1	688	14	0.0441994
0.0703963	1	604	17	0.0345686
0.0854187	1	1065	24	0.0208595
0.0802855	1	1001	25	0.0181671
0.0379903	1	617	18	0.0431048
0.0724348	1	617	18	0.0431048

0.0694118	1	590	14	0.0461944
0.0967704	1	827	21	0.0374464
0.146869	1	1250	35	0.0236666
0.0661264	1	563	10	0.0389294
0.0743529	1	632	14	0.0382055
0.0756857	1	654	15	0.0498844
0.0507996	1	432	10	0.0449498
0.0866917	1	740	21	0.0491693
0.0719054	1	614	17	0.0495313
0.07739	1	663	16	0.0360958
0.0723529	1	615	11	0.0389029
0.131424	1	1161	26	0.011723
0.11427	1	1029	25	0.0350453
0.126588	1	1076	24	0.0225985
0.0705882	1	600	17	0.0386381
0.0728555	1	620	18	0.0444289
0.0846703	1	723	20	0.0329796
0.0848691	1	723	20	0.0329796
0.0718387	1	613	16	0.0304638
0.0699719	1	597	12	0.0447379
0.0700951	1	597	12	0.0447379
0.0865036	1	739	17	0.0447114
0.00332883	0.0474968	779	19	0.0476333
0.0737742	1	820	22	0.0321675
0.0708052	1	787	22	0.00893346
0.0739541	1	822	23	0.0350012
0.0619469	1	609	17	0.0479864
0.0312771	1	614	13	0.0481012
0.0456166	1	614	13	0.0481012
0.048	0.419753	972	25	0.021751
0.0397234	1	672	19	0.0487721
0.0787059	1	669	19	0.032141
0.0692941	1	589	16	0.0442612
0.104118	1	885	25	0.0338006
0.0957647	1	814	23	0.0357074
0.080814	1	687	16	0.0239138
0.13268	1	1138	27	0.0246729
0.0725882	1	617	11	0.0491252
0.0778366	1	662	19	0.0326265
0.0902353	1	767	22	0.0473155
0.0765882	1	651	16	0.0336947
0.0430811	1	599	17	0.0289631
0.0504171	1	701	15	0.0183789
0.0846924	1	727	19	0.0172578
0.0721769	1	620	13	0.0437934
0.049462	1	616	10	0.035522
0.0751262	1	640	17	0.0317173

0.071722	1	611	15	0.0318144
0.0718824	1	611	17	0.0453117
0.0752941	1	640	18	0.0438463
0.0379933	1	646	14	0.0444907
0.125059	1	1063	26	0.013153
0.0827085	1	706	20	0.0287689
0.131059	1	1114	30	0.0150774
0.0684724	1	589	14	0.0469448
0.0793929	1	680	13	0.0263678
0.118497	1	1009	27	0.0237107
0.0879353	1	750	21	0.0479335
0.0697974	1	596	17	0.0457531
0.0724485	1	619	17	0.0455412
0.0407063	1	634	18	0.0436609
0.0844706	1	718	13	0.0239138
0.0929825	1	795	20	0.0132501
0.06955	1	595	17	0.0408803
0.0504547	1	688	16	0.0414541
0.0822607	1	703	20	0.0233929
0.0367508	1	894	25	0.0493547
0.128684	1	1096	22	0.0174167
0.0752202	1	649	18	0.025644
0.0352071	0.396301	757	18	0.0451087
0.0890588	1	757	18	0.0451087
0.0743529	1	632	14	0.0444466
0.0696471	1	592	14	0.0483484
0.153765	1	1307	34	0.0491252
0.0981818	1	837	23	0.0191911
0.0784751	1	669	12	0.0398475
0.0845748	1	721	17	0.0479864
0.0728235	1	619	17	0.0427341
0.0919662	1	783	22	0.0301284
0.0678824	1	577	12	0.0483484
0.0723529	1	615	10	0.0432461
0.0865882	1	736	17	0.0222454
0.0861322	1	736	17	0.0222454
0.116235	1	988	27	0.0403418
0.115623	1	988	27	0.0403418
0.104492	1	898	20	0.0170548
0.0713867	1	609	15	0.0496019
0.100762	1	859	17	0.0131442
0.0708235	1	602	17	0.0416836
0.0698781	1	602	17	0.0416836
0.0772941	1	657	19	0.0449762
0.0968235	1	823	20	0.0497873
0.0764706	1	650	18	0.0481365
0.0755138	1	643	18	0.0332621

0.0918379	1	782	21	0.0308434
0.11762	1	1018	29	0.0333945
0.0992941	1	844	17	0.0359545
0.181914	1	1551	39	0.021857
0.0735294	1	625	11	0.0353101
0.0476651	1	592	13	0.0472184
0.066	1	561	16	0.0288925
0.0547104	1	561	16	0.0288925
0.0865882	1	736	20	0.016428
0.0874118	1	743	17	0.0242934
0.0519802	1	483	12	0.0487544
0.0687874	1	586	16	0.0474744
0.0821374	1	704	20	0.0442612
0.0627792	1	534	15	0.0459914
0.0751765	1	639	18	0.0300666
0.0720721	1	616	13	0.0451616
0.0707059	1	601	17	0.0481542
0.0810622	1	696	16	0.0349217
0.10674	1	909	25	0.042381
0.0827988	1	710	16	0.0414188
0.0730029	1	626	11	0.0436698
0.0692873	1	594	17	0.0463975
0.0753987	1	643	18	0.03516
0.130471	1	1109	29	0.00859801
0.07189	1	612	14	0.040995
0.0937096	1	797	21	0.0319115
0.0839704	1	714	17	0.0157571
0.00246277	0.0294118	714	17	0.0157571
0.0758556	1	645	18	0.00564079
0.0754118	1	641	18	0.0382232
0.0718245	1	635	17	0.044632
0.0640199	1	1053	30	0.00767112
0.0911088	1	788	22	0.0470684
0.0657756	1	561	11	0.0428488
0.117765	1	1001	28	0.0246553
0.0725882	1	617	17	0.0488251
0.107298	1	913	19	0.0435815
0.0932958	1	796	15	0.0138239
0.123652	1	1055	30	0.0198619
0.0763529	1	649	18	0.0497166
0.0910588	1	774	21	0.0343038
0.0685138	1	591	14	0.0414805
0.0708754	1	604	16	0.0466005
0.084	1	714	20	0.0149627
0.102	1	867	24	0.0303402
0.116862	1	1016	27	0.0159513
0.0706433	1	604	17	0.0437669

0.0687059	1	584	16	0.0460797
0.0788304	1	674	18	0.0245935
0.064822	1	581	17	0.0243022
0.0975702	1	1032	27	0.0441553
0.138595	1	1180	22	0.0351777
0.0810599	1	725	21	0.0307639
0.0765444	1	653	18	0.0322646
0.0872941	1	742	21	0.0468742
0.109889	1	939	26	0.031479
0.131176	1	1115	27	0.0220953
0.0725882	1	617	17	0.0310817
0.0804706	1	684	14	0.0489751
0.0770588	1	655	14	0.0341449
0.0749412	1	637	18	0.0362547
0.064598	1	1043	26	0.0229427
0.0723399	1	1168	29	0.0130824
0.0884602	1	752	21	0.0191646
0.0296129	1	1104	31	0.00812133
0.0734582	1	667	19	0.0325471
0.0324655	0.457652	673	19	0.0472449
0.0781468	1	673	19	0.0472449
0.0732941	1	623	15	0.0402712
0.0322724	1	581	17	0.0451263
0.0411909	1	606	17	0.0473155
0.0957898	1	835	24	0.0291485
0.11521	1	990	24	0.0354602
0.136118	1	1157	28	0.0152363
0.0692941	1	589	16	0.0485426
0.107412	1	913	26	0.0333945
0.147882	1	1257	35	0.0122438
0.153529	1	1305	35	0.00963083
0.0699695	1	596	17	0.0493812
0.0812941	1	691	20	0.0474391
0.0788235	1	670	17	0.0355043
0.0787059	1	669	19	0.0329178
0.0969412	1	824	23	0.0366166
0.105882	1	900	19	0.0276919
0.084	1	714	14	0.0336329
0.0825882	1	702	20	0.0498932
0.106118	1	902	25	0.0229339
0.113294	1	963	27	0.0482778
0.0752941	1	640	18	0.029122
0.0750821	1	640	13	0.0374287
0.0751262	1	640	13	0.0374287
0.0638824	1	543	16	0.0315231
0.0597301	1	872	19	0.0164722
0.0471265	1	688	19	0.0383556

0.0664706	1	565	14	0.0350012
0.0729417	1	637	17	0.0496019
0.0771121	1	659	19	0.0358045
0.0727059	1	618	16	0.0431048
0.0860873	1	732	19	0.0240374
0.0841176	1	715	20	0.0316379
0.0343529	0.377261	774	22	0.0350629
0.0898016	1	774	22	0.0350629
0.0761176	1	647	15	0.0252644
0.0481812	1	604	17	0.0448527
0.0544706	1	463	10	0.0471478
0.0776471	1	660	19	0.0344097
0.0863529	1	734	15	0.0309052
0.103412	1	879	24	0.0208859
0.0710184	1	606	14	0.0468035
0.0768235	1	653	18	0.0497078
0.0750588	1	638	11	0.0403065
0.0574527	1	604	16	0.0441641
0.0562161	1	591	17	0.0463622
0.0886694	1	853	24	0.0237637
0.134046	1	1141	20	0.0244169
0.0498347	1	648	18	0.0329178
0.0762357	1	674	19	0.0391589
0.0725882	1	617	17	0.049443
0.0845334	1	722	19	0.0443583
0.106662	1	911	22	0.0227132
0.0536589	1	767	21	0.0337123
0.096165	1	830	23	0.0445702
0.102824	1	874	22	0.0479688
0.0725984	1	625	15	0.0220953
0.114091	1	970	27	0.0188909
0.0452572	1	959	26	0.0122438
0.0724162	1	618	17	0.0285747
0.0716044	1	611	17	0.0268533
0.0741176	1	630	13	0.0439964
0.111412	1	947	21	0.0216098
0.053514	1	699	18	0.0488692
0.0536187	1	466	10	0.0386293
0.133647	1	1136	26	0.0244611
0.0721514	1	713	20	0.0324765
0.0842426	1	718	18	0.0350806
0.0333261	1	461	11	0.0375082
0.0771637	1	666	15	0.0141064
0.0709677	1	605	11	0.0447026
0.036623	1	593	15	0.0422927
0.0694118	1	590	15	0.0492576
0.0744808	1	746	21	0.0236931

0.0471997	1	402	11	0.0464769
0.0934601	1	796	20	0.0356897
0.100481	1	857	19	0.0453117
0.230535	1	3325	69	0.0170724
0.0618481	1	931	23	0.032653
0.0569005	1	872	22	0.023799
0.0705882	1	600	13	0.0375788
0.0817647	1	695	20	0.0237196
0.0995294	1	846	24	0.0410215
0.072	1	612	18	0.0484631
0.0727059	1	618	18	0.0488692
0.08	1	680	19	0.0459031
0.0786108	1	670	19	0.0474744
0.115452	1	984	28	0.0102311
0.0388188	1	652	19	0.0495313
0.210502	1	1824	48	0.0102929
0.052931	1	521	15	0.0333945
0.0637018	1	1027	21	0.0271182
0.0758824	1	645	18	0.0460356
0.114588	1	974	27	0.0497784
0.0809412	1	688	20	0.0354867
0.0812941	1	691	16	0.0493106
0.0808235	1	687	20	0.0492664
0.107817	1	920	26	0.0236931
0.0988946	1	841	24	0.0495048
0.0564706	1	480	14	0.0404477
0.0561798	1	480	14	0.0404477
0.107536	1	919	18	0.0408361
0.109813	1	949	20	0.049646
0.0819255	1	708	14	0.0422309
0.0631164	1	672	13	0.0212743
0.0285113	1	447	13	0.0431225
0.0978733	1	833	21	0.0339242
0.0765618	1	652	17	0.0361134
0.0701176	1	596	10	0.0463357
0.0359951	1	618	12	0.0267739
0.127772	1	1089	30	0.0341537
0.116941	1	994	28	0.0232782
0.0851765	1	724	19	0.0307463
0.0686509	1	602	17	0.0472361
0.167509	1	1426	35	0.0130206
0.0698824	1	594	13	0.036034
0.101529	1	863	21	0.00356632
0.0712941	1	606	17	0.0477569
0.0411785	1	608	15	0.0471567
0.0655076	1	584	13	0.0439258
0.0874118	1	743	15	0.0342596

0.0661672	1	733	13	0.0353896
0.119151	1	1016	15	0.01167
0.0591809	1	604	16	0.0468389
0.134476	1	1153	29	0.00498755
0.0812247	0.99858	704	20	0.0348334
0.0911765	1	775	20	0.0442524
0.126235	1	1073	22	0.0305697
0.072629	1	618	17	0.0494871
0.0798226	1	684	19	0.0424428
0.084	1	714	19	0.0426546
0.0540402	1	634	18	0.0430342
0.0780316	1	666	16	0.0461503
0.0749115	1	656	16	0.0396533
0.0804598	1	686	14	0.0361134
0.0737647	1	627	18	0.0348864
0.0809412	1	688	19	0.0351512
0.072	1	612	15	0.0420808
0.0750588	1	638	17	0.0484631
0.0993898	1	847	13	0.0470066
0.076	1	646	18	0.0381791
0.103281	1	894	22	0.0280715
0.135529	1	1152	28	0.0167105
0.0433855	1	671	16	0.0408361
0.0734698	1	671	16	0.0408361
0.0750381	1	640	18	0.0483484
0.0593803	1	596	17	0.0464681
0.0724348	1	617	17	0.0494695
0.0234557	1	868	23	0.027383
0.0703364	1	598	17	0.0479776
0.078114	1	666	19	0.0331739
0.086545	1	759	17	0.0492576
0.0869412	1	739	20	0.0277096
0.0711765	1	605	11	0.0363518
0.102336	1	876	24	0.0467771
0.127667	1	1089	28	0.0159337
0.0415137	1	622	18	0.0487721
0.0708235	1	602	17	0.0468389
0.104474	1	899	22	0.0333151
0.105765	1	899	22	0.0333151
0.100291	1	863	24	0.0279921
0.0728196	1	688	19	0.0367755
0.0801301	1	690	14	0.0452411
0.0388447	1	815	19	0.0158189
0.0945915	1	815	19	0.0158189
0.0821149	1	702	20	0.0284246
0.0693648	1	593	17	0.0490193
0.0729412	1	620	18	0.0495313



0.0807974	1	1147	31	0.023596
0.0682263	1	627	12	0.0460797
0.0125853	0.136132	786	20	0.0332798
0.0924706	1	786	20	0.0332798
0.0749412	1	637	18	0.0499638
0.0803535	1	973	24	0.0206035
0.0697265	1	594	13	0.022007
0.128588	1	1093	23	0.024567
0.0995322	1	851	22	0.0343038
0.0694885	1	591	16	0.0461062
0.0950486	1	812	22	0.0353013
0.0652735	1	556	10	0.043608
0.0658412	1	569	16	0.0226338
0.0596717	1	927	26	0.0314172
0.108637	1	927	26	0.0314172
0.0491765	1	418	12	0.0492841
0.0674645	1	575	16	0.04668
0.0716463	1	611	15	0.0499108
0.0400941	0.420469	811	23	0.0222189
0.0938332	1	811	23	0.0222189
0.0272188	1	372	11	0.049443
0.0275226	1	680	19	0.0420014
0.0344781	1	510	15	0.0430519
0.0775892	1	663	15	0.0222101
0.0980094	1	837	20	0.0444907
0.108431	1	926	23	0.0298459
0.0399235	1	668	17	0.0357691
0.0710588	1	604	17	0.04284
0.140706	1	1196	29	0.019244
0.0941757	1	802	16	0.0475186
0.0689857	1	589	16	0.045806
0.0594178	1	547	15	0.0453294
0.0782365	1	669	19	0.0428665
0.0920066	1	785	22	0.0481983
0.108353	1	921	26	0.0163927
0.121785	1	1056	25	0.0237902
0.0844607	1	718	21	0.0499991
0.0705882	1	600	17	0.0472891
0.0617355	1	535	15	0.0493812
0.122471	1	1041	24	0.0322911
0.0681262	1	585	13	0.0476333
0.0755638	1	650	13	0.0214685
0.136198	1	1160	27	0.0232605
0.0710588	1	604	13	0.0420896
0.0723529	1	615	16	0.0463269
0.0728235	1	619	13	0.0480482
0.0958824	1	815	20	0.0105489

0.0830623	1	715	20	0.0484631
0.0767423	1	653	22	0.0468212
0.077825	1	677	19	0.0184584
0.0823086	1	917	25	0.0312318
0.0969934	1	842	23	0.0317967
0.0744706	1	633	18	0.049902
0.117882	1	1002	28	0.0182553
0.100978	1	919	22	0.0233312
0.0715881	0.995098	612	17	0.0401299
0.0758605	1	648	17	0.033421
0.0718226	1	612	17	0.0341449
0.0905243	1	770	22	0.0435992
0.0575974	0.797872	658	15	0.0461238
0.0784706	1	667	15	0.0381438
0.112353	1	955	23	0.0332356
0.121765	1	1035	29	0.0154658
0.0921853	1	788	22	0.0230222
0.123077	1	1048	29	0.0216981
0.102422	1	871	21	0.0291397
0.10229	1	871	21	0.0291397
0.0806829	1	690	13	0.0191822
0.116633	1	995	25	0.0241345
0.0777647	1	661	18	0.0286453
0.0547356	1	471	10	0.0487721
0.105126	1	929	26	0.0462121
0.124588	1	1059	23	0.0113787
0.094701	1	806	23	0.0245847
0.0918811	1	782	16	0.0340389
0.0843317	1	718	20	0.0380555
0.0602353	1	512	14	0.0462121
0.122588	1	1042	29	0.0316026
0.124941	1	1062	26	0.0123144
0.0728334	1	774	22	0.0344362
0.0499671	1	531	14	0.0183083
0.0708626	1	939	26	0.0447909
0.0704706	1	599	17	0.0493989
0.0417994	1	1010	26	0.0237725
0.0811097	1	690	17	0.0486044
0.127412	1	1083	23	0.0114228
0.047368	1	638	15	0.0378701
0.0604351	1	814	17	0.0354867
0.0768163	1	664	14	0.035672
0.0688235	1	585	17	0.034957
0.0960724	1	817	23	0.0408803
0.0701241	1	599	16	0.0483837
0.125073	1	1068	29	0.0335181
0.0385014	1	557	16	0.0480041

0.0743529	1	632	18	0.0242227
0.086	1	731	20	0.0349129
0.074513	1	635	18	0.0408626
0.0618537	1	975	23	0.0148832
0.0803405	1	689	18	0.0349482
0.0967059	1	822	19	0.0456295
0.062712	1	610	15	0.0468742
0.069893	1	660	18	0.0239667
0.128277	1	1091	24	0.0173549
0.0695294	1	591	17	0.0379142
0.122941	1	1045	30	0.0194382
0.0975009	1	831	23	0.0466535
0.0728235	1	619	15	0.049646
0.138588	1	1178	32	0.0135856
0.0871849	1	747	21	0.0237725
0.0669367	1	595	17	0.04156
0.0783529	1	666	19	0.0479511
0.235882	1	2005	56	0.0240374
0.0710588	1	604	17	0.0494695
0.0884706	1	752	21	0.0475098
0.102471	1	871	19	0.0235783
0.0954444	1	815	16	0.034957
0.0507091	1	851	21	0.0476598
0.0682353	1	580	16	0.0454971
0.0754118	1	641	12	0.0434491
0.0974013	1	967	24	0.00810367
0.0735294	1	625	18	0.0453558
0.0686571	1	591	12	0.0395826
0.0633512	1	614	18	0.0428665
0.0718703	1	616	17	0.0453294
0.0511478	1	840	20	0.00890698
0.0487925	1	596	13	0.0298194
0.0749648	1	639	13	0.0336594
0.0675307	1	594	12	0.0458325
0.120282	1	1058	28	0.0308434
0.0736471	1	626	16	0.0437934
0.0752789	1	641	12	0.0423898
0.0845946	1	721	19	0.0350012
0.0923817	1	787	22	0.0297576
0.114423	1	979	27	0.0355838
0.100329	1	855	24	0.0468212
0.0712941	0.993443	610	17	0.0493724
0.0543339	1	761	21	0.047854
0.0829247	1	761	21	0.047854
0.0995294	1	846	24	0.0213096
0.0682353	1	580	16	0.0439611
0.0723529	1	615	17	0.0391677

0.0768235	1	653	15	0.043864
0.118824	1	1010	28	0.0233929
0.0696645	1	598	16	0.0357515
0.0711765	1	605	12	0.044376
0.07	1	595	16	0.0441641
0.143327	1	1219	31	0.00766229
0.0712941	1	606	12	0.0482778
0.121176	1	1030	23	0.013868
0.113555	1	1172	32	0.0291662
0.0712941	1	606	17	0.032503
0.126941	1	1079	29	0.0169224
0.0725352	1	618	15	0.0430695
0.118824	1	1010	28	0.0307021
0.120061	1	1024	24	0.0126675
0.0722242	1	616	15	0.0403418
0.0719652	1	613	18	0.0280627
0.068	1	578	10	0.0153511
0.0714118	1	607	10	0.0442436
0.0989412	1	841	21	0.0252291
0.0691147	1	623	13	0.0398122
0.0881176	1	749	21	0.0447644
0.0879418	1	749	21	0.0447644
0.0969562	1	825	23	0.0123762
0.0534118	1	454	13	0.0355043
0.115412	1	981	18	0.0231723
0.0788769	1	677	18	0.0480306
0.124251	1	1057	29	0.0327413
0.0794118	1	675	16	0.0397239
0.111686	1	950	21	0.0239579
0.0705924	1	603	16	0.0236401
0.0734603	1	625	15	0.0443318
0.0728235	1	619	18	0.0483484
0.0394118	1	335	10	0.0462827
0.135294	1	1150	26	0.0169047
0.0748235	1	636	18	0.0378171
0.0783692	1	667	18	0.0360516
0.0762543	1	649	18	0.0465387
0.0785371	1	670	17	0.0484631
0.0612353	1	1041	28	0.0172225
0.0917	1	780	22	0.0290426
0.060806	1	599	14	0.042328
0.0566566	1	769	18	0.0485249
0.0707287	1	960	27	0.0325383
0.0931765	1	792	22	0.031682
0.0811765	1	690	13	0.0498755
0.134941	1	1147	24	0.0152804
0.0790588	1	672	18	0.0490104

0.0756471	1	643	18	0.0314878
0.0923529	1	785	17	0.0403948
0.0692941	1	589	11	0.0292368
0.072	1	612	17	0.0499815
0.111636	1	992	21	0.0481188
0.0659341	1	588	14	0.0385851
0.132941	1	1130	32	0.0344715
0.0955294	1	812	22	0.024567
0.078481	1	682	19	0.0233929
0.110693	1	941	26	0.0326619
0.0875	1	749	21	0.0292279
0.0747893	1	639	15	0.0336947
0.0821194	1	699	18	0.0271005
0.0550409	1	707	20	0.0489222
0.0166667	0.200849	707	20	0.0489222
0.0908132	1	775	18	0.0308257
0.106706	1	907	21	0.0318674
0.113412	1	964	24	0.0224925
0.0346938	0.921951	615	17	0.0232782
0.0574118	1	488	14	0.0439258
0.036838	1	809	16	0.0331827
0.106876	1	914	24	0.0291485
0.0863647	1	736	18	0.0489222
0.115489	1	982	28	0.0354425
0.0715294	1	608	10	0.0432637
0.0650588	1	553	11	0.0444907
0.0750588	1	638	16	0.0436433
0.0688235	1	585	12	0.0417542
0.054	1	459	13	0.0493017
0.111176	1	945	26	0.0246994
0.0529162	1	499	14	0.0472802
0.125882	1	1070	25	0.0245317
0.0764264	1	651	17	0.049849
0.137765	1	1171	31	0.016737
0.102324	1	929	22	0.0261295
0.0615294	1	523	15	0.0486485
0.122588	1	1042	38	0.0233223
0.0762353	1	648	17	0.0365371
0.115882	1	985	20	0.012897
0.0998823	1	849	24	0.0192264
0.078553	1	671	19	0.0482778
0.0864706	1	735	21	0.0235783
0.0741044	1	633	15	0.0433873
0.0758411	1	674	19	0.0338447
0.0678815	1	596	14	0.0462739
0.0397764	1	619	15	0.0437845
0.121686	1	1042	30	0.0337653

0.120169	1	1023	20	0.0203033
0.114824	1	976	21	0.0159425
0.0950588	1	808	21	0.0460002
0.0695294	1	591	11	0.0425222
0.0460187	1	660	18	0.0483042
0.0399024	1	605	11	0.0491693
0.0960611	1	817	20	0.0334122
0.0911223	1	1049	29	0.019809
0.123412	1	1049	29	0.019809
0.055681	0.993798	645	18	0.0294839
0.0987669	1	841	22	0.0310817
0.0964181	1	821	23	0.0477569
0.115059	1	978	27	0.0239844
0.0870632	1	745	21	0.0463357
0.0441744	0.493473	766	21	0.0461503
0.114471	1	973	27	0.020983
0.0748235	1	636	18	0.0405625
0.120588	1	1025	24	0.0323794
0.0411141	1	617	15	0.0482336
0.0524422	1	787	17	0.0320704
0.0668235	1	568	16	0.0446232
0.0868752	1	836	18	0.0292633
0.0888235	1	755	21	0.0307551
0.0707059	1	601	17	0.0443583
0.0850588	1	723	20	0.0435021
0.0888235	1	755	19	0.0242051
0.0727059	1	618	17	0.0452676
0.0956471	1	813	23	0.0296164
0.104353	1	887	25	0.0490634
0.0775832	1	660	18	0.0419396
0.115294	1	980	24	0.0269857
0.0781305	1	667	19	0.0437669
0.131335	1	1117	28	0.0278244
0.0441004	1	527	10	0.0493812
0.110222	1	937	24	0.0325648
0.0654853	1	558	14	0.0452146
0.0785882	1	668	19	0.0403859
0.0872964	1	1061	28	0.0218481
0.0716471	1	609	11	0.0477481
0.0104768	1	653	17	0.0499815
0.0698064	1	667	19	0.0440141
0.101059	1	859	24	0.0242757
0.0775759	1	777	22	0.0465387
0.0489839	1	417	12	0.04668
0.192824	1	1639	41	0.0213714
0.103647	1	881	24	0.0221836
0.100867	1	861	20	0.0237019

0.0771765	1	656	19	0.0335093
0.0718824	1	611	13	0.0497343
0.0481439	1	664	19	0.0354867
0.0413223	1	500	12	0.0420808
0.0781176	1	664	19	0.0361399
0.0779859	1	666	13	0.0460002
0.0977647	1	831	16	0.0217863
0.0566303	1	483	13	0.0449498
0.0797084	1	678	18	0.0215127
0.0813257	1	692	12	0.0151657
0.0534274	1	901	20	0.0260942
0.0696471	1	592	17	0.0292279
0.0389371	0.937943	564	12	0.0475362
0.0657649	1	564	12	0.0475362
0.072	1	612	16	0.0398122
0.0796584	1	681	19	0.0473509
0.0717043	1	613	11	0.042787
0.0941176	1	800	21	0.0218923
0.0522353	1	444	13	0.035928
0.0951991	1	813	20	0.0461503
0.112529	1	961	21	0.0346922
0.0696471	1	592	11	0.0323441
0.0295693	0.433007	612	17	0.0447644
0.0214812	1	612	17	0.0447644
0.0672424	1	584	12	0.0400681
0.167761	1	1457	36	0.0128617
0.0515294	1	438	12	0.0480041
0.0481694	1	771	22	0.0286983
0.0484193	1	775	22	0.0358045
0.0692308	1	594	17	0.0462739
0.0696471	1	592	11	0.0445437
0.0805882	1	685	14	0.0231634
0.111294	1	946	25	0.0352483
0.0914118	1	777	22	0.0454265
0.0718824	1	611	11	0.0310906
0.131647	1	1119	29	0.0216892
0.0803991	1	685	18	0.0268798
0.0753296	1	720	14	0.0229427
0.0627596	1	680	15	0.0447644
0.0867059	1	737	18	0.0463357
0.102257	1	870	21	0.0199414
0.0976471	1	830	23	0.0107254
0.0838702	1	716	17	0.029122
0.0722255	1	615	18	0.0415953
0.175807	1	1497	37	0.0358221
0.0961741	1	822	23	0.0447644
0.281294	1	2391	52	0.0176551

0.101122	1	865	24	0.0222454
0.0411051	1	674	18	0.0185643
0.107412	1	913	26	0.00984269
0.0985538	1	845	20	0.0332356
0.0722353	1	614	17	0.0477922
0.101627	1	868	21	0.0266591
0.0750937	1	641	18	0.0365371
0.0743016	1	641	18	0.0365371
0.0704706	1	599	17	0.049134
0.141647	1	1204	34	0.0130912
0.0692849	1	591	11	0.0480041
0.107503	1	917	21	0.023543
0.117412	1	998	24	0.0172578
0.0723529	1	615	14	0.0457707
0.0877647	1	746	21	0.0340301
0.129437	1	1105	31	0.0229957
0.0807059	1	686	20	0.0406596
0.165412	1	1406	37	0.00839498
0.105882	1	900	20	0.0332886
0.0798824	1	679	17	0.0408714
0.0701176	1	596	16	0.0368108
0.0463013	1	768	22	0.0310994
0.0747248	1	638	16	0.0357074
0.0423646	1	693	14	0.0309405
0.0785882	1	668	16	0.0440317
0.0533239	1	454	13	0.0375788
0.0707013	1	618	15	0.0402535
0.0736471	1	626	14	0.046936
0.0854118	1	726	19	0.0158454
0.118235	1	1005	21	0.0373404
0.114588	1	974	21	0.0361134
0.0903529	1	768	21	0.0278244
0.131829	1	1122	32	0.0272241
0.0989541	1	842	21	0.031223
0.104706	1	890	25	0.0353896
0.0436884	1	479	10	0.0424604
0.0561482	1	479	10	0.0424604
0.0704706	1	599	17	0.0443583
0.0311765	0.421304	629	18	0.0386381
0.0500988	1	786	20	0.0437934
0.067882	1	1065	25	0.0408979
0.0957255	1	851	20	0.0210095
0.0902485	1	770	21	0.0201974
0.129533	1	1118	32	0.0247347
0.0347592	1	685	18	0.0377642
0.0792382	1	674	17	0.0436345
0.0806688	1	772	21	0.0338006



0.0555619	1	487	14	0.0302078
0.0289763	1	640	11	0.0480129
0.101059	1	859	20	0.0268798
0.106	1	901	20	0.0129941
0.0705882	1	600	10	0.0247347
0.0929412	1	790	22	0.0332268
0.0711518	1	606	17	0.0421603
0.131765	1	1120	28	0.0163662
0.0745882	1	634	18	0.0368108
0.100141	1	852	24	0.034957
0.120663	1	1033	29	0.0146802
0.0968345	1	829	22	0.0391501
0.0707059	1	601	17	0.0463357
0.0817647	1	695	20	0.0354425
0.138905	1	1185	32	0.0166399
0.0744818	1	636	18	0.0441288
0.0677137	1	1052	19	0.021089
0.0744706	1	633	14	0.0475274
0.0795294	1	676	17	0.035725
0.0681176	1	579	15	0.0305256
0.0720374	1	617	14	0.0463357
0.0826427	1	708	19	0.0344803
0.0715294	1	608	16	0.0391236
0.0969412	1	824	17	0.038488
0.0736748	1	656	19	0.0350629
0.0624222	1	602	10	0.0482866
0.137582	1	1170	30	0.0040077
0.0390949	1	584	17	0.0439258
0.114	1	969	27	0.0142035
0.048597	1	788	22	0.0264561
0.109582	1	1202	33	0.013153
0.130824	1	1112	29	0.0224749
0.0704706	1	599	14	0.0359987
0.0922353	1	784	17	0.0351247
0.104551	1	889	17	0.0336152
0.0700094	1	599	17	0.0219894
0.0429208	1	713	19	0.0289455
0.0393089	1	653	11	0.0338006
0.0379244	1	630	12	0.0437404
0.0714621	1	609	16	0.0492311
0.0582353	1	495	14	0.0463798
0.0884114	1	753	21	0.0282128
0.0778823	1	662	18	0.027127
0.0382062	1	587	17	0.0491693
0.0710588	1	604	17	0.0438287
0.064	1	544	11	0.0480482
0.0820626	1	705	20	0.0487721

0.110488	1	945	23	0.0361575
0.0404324	1	591	16	0.027127
0.03838	1	561	12	0.0342067
0.0157429	1	985	27	0.0127028
0.127176	1	1081	30	0.0127911
0.00978136	1	612	11	0.0295104
0.0803419	1	705	14	0.0335358
0.0896471	1	762	22	0.01694
0.0985916	1	840	24	0.0151039
0.187793	1	1600	38	0.015254
0.0901408	1	768	22	0.0314172
0.0808461	1	688	16	0.0342067
0.0481616	1	410	10	0.0480041
0.0830588	1	706	18	0.0463622
0.0670642	1	596	13	0.047704
0.0705882	1	600	17	0.0475362
0.0935517	1	914	24	0.0244699
0.20174	1	1971	54	0.0222454
0.0343564	1	347	10	0.0477393
0.090396	1	913	25	0.00707085
0.0761176	0.876694	738	19	0.0482866
0.129408	1	1101	29	0.0492488
0.0538507	1	637	18	0.0408185
0.0665314	1	787	22	0.0399004
0.0494547	1	585	17	0.0388941
0.0810329	1	954	24	0.0426546
0.104471	1	888	21	0.0304638
0.072625	1	620	17	0.0163927
0.112941	1	960	24	0.0487456
0.0386038	1	574	16	0.0472361
0.0352353	1	804	23	0.0333769
0.0496637	1	443	13	0.042584
0.0971765	1	826	23	0.0348334
0.132118	1	1123	31	0.0246729
0.0719746	1	612	18	0.0466976
0.0816279	1	694	20	0.034189
0.0715294	1	608	17	0.0491252
0.0705721	1	618	14	0.0375964
0.0425081	1	381	11	0.0452852
0.0756776	1	645	16	0.0447909
0.0791882	1	675	18	0.0480747
0.0923836	1	786	19	0.0361399
0.0890588	1	757	17	0.0318762
0.0719915	1	612	17	0.0439964
0.0575716	1	541	12	0.0490369
0.0532075	1	851	24	0.0296517
0.0489559	1	783	22	0.034957

0.0910588	1	774	22	0.0147596
0.0710588	1	604	15	0.0480041
0.0585591	1	508	14	0.0499815
0.080649	1	686	19	0.0497343
0.0658917	1	1009	24	0.0244876
0.071333	1	746	21	0.0451087
0.0664706	1	565	16	0.0498844
0.0894118	1	760	21	0.0242757
0.0687023	1	585	13	0.0349747
0.0609765	1	818	20	0.0437227
0.039733	1	637	18	0.0431136
0.0765882	1	651	18	0.0222807
0.0743569	1	633	18	0.0201356
0.0711518	1	606	17	0.0473244
0.104609	1	892	18	0.0251055
0.103529	1	880	20	0.0284335
0.0765882	1	651	18	0.0436609
0.0118824	0.115561	874	25	0.0410127
0.0808093	1	691	19	0.0413923
0.0915682	1	783	21	0.0455147
0.126588	1	1076	29	0.0188026
0.11243	1	966	20	0.0309935
0.076	1	646	18	0.0294486
0.0951821	1	810	18	0.035213
0.08	1	680	18	0.0326707
0.072	1	612	17	0.0467064
0.132235	1	1124	32	0.0354778
0.0976471	1	830	19	0.0322205
0.0895294	1	761	21	0.0266415
0.0684706	1	582	11	0.0414717
0.0798309	1	680	16	0.0471567
0.0770588	1	655	19	0.0487986
0.0876593	1	846	22	0.0163044
0.0713785	1	611	17	0.0488251
0.0752941	1	640	17	0.0491252
0.0724706	1	616	15	0.0470507
0.0609178	1	604	17	0.0473597
0.11401	1	979	27	0.0460532
0.0940681	1	804	22	0.0283452
0.119176	1	1013	23	0.0241521
0.0768812	1	706	18	0.0229781
0.0657111	1	596	17	0.039459
0.0596471	1	507	14	0.0492223
0.0798309	1	680	19	0.0344097
0.0543529	1	462	12	0.0487368
0.0444262	1	379	11	0.0438993
0.0703529	1	598	17	0.0465476

0.0735786	1	638	14	0.0346922
0.0784706	1	667	14	0.0318497
0.0701979	1	603	17	0.0474391
0.0909197	1	781	20	0.0453911
0.0571275	1	531	11	0.0452411
0.0723104	1	615	18	0.0497961
0.0712941	1	606	17	0.0479776
0.116941	1	994	27	0.0193323
0.104588	1	889	25	0.0299871
0.0756471	1	643	18	0.0476422
0.0815294	0.998559	694	20	0.0313995
0.0422434	1	705	20	0.0449233
0.0556525	1	670	14	0.0261471
0.0729412	1	620	17	0.0465387
0.0728235	1	619	16	0.0435815
0.0804706	1	684	17	0.0306227
0.122353	0.996169	1044	29	0.0232517
0.0949412	1	807	22	0.0428577
0.12117	1	1036	29	0.0236931
0.0703529	1	598	17	0.0498932
0.0672631	1	609	17	0.0399622
0.0463755	1	396	11	0.0414717
0.0463212	1	396	11	0.0414717
0.0553894	1	611	17	0.0440229
0.0711698	1	609	16	0.0484631
0.0657419	1	782	22	0.0346834
0.0509458	1	606	15	0.041101
0.0720471	1	857	22	0.0418778
0.0873529	1	757	15	0.0461062
0.077011	1	674	19	0.040227
0.0608559	1	620	15	0.046574
0.0680979	1	590	17	0.0405625
0.0735294	1	625	18	0.0499108
0.0823529	1	700	16	0.0211508
0.0911765	1	775	22	0.0351512
0.0641229	1	605	17	0.0483837
0.0789412	1	671	19	0.0473244
0.128268	1	1094	23	0.047342
0.0989062	0.997653	852	22	0.0233135
0.0998823	1	849	24	0.0405537
0.0849289	1	723	19	0.0355043
0.0864706	1	735	20	0.0485161
0.0697647	1	593	16	0.0366872
0.0801831	1	683	19	0.0298106
0.176761	1	1503	34	0.0103282
0.0777995	1	676	19	0.0296605
0.08	1	680	19	0.0486485

0.0654596	1	564	16	0.032653
0.0580325	1	971	27	0.0295722
0.069675	1	596	17	0.0469271
0.123182	1	1050	24	0.032141
0.0871765	1	741	17	0.0170724
0.0717647	1	610	17	0.0492664
0.0720721	1	616	12	0.0414717
0.0547865	1	467	13	0.0498844
0.0740526	0.922078	693	20	0.0401829
0.0722353	1	614	14	0.0326972
0.0701394	1	614	14	0.0326972
0.0726461	1	618	17	0.0459914
0.0936471	1	796	22	0.0479688
0.0402185	1	346	10	0.0445878
0.0727822	1	626	17	0.0437845
0.0721176	1	613	17	0.0474038
0.0782353	1	665	19	0.0460532
0.0445882	1	379	11	0.0339065
0.110118	1	936	25	0.0215127
0.136824	1	1163	28	0.015766
0.0402188	1	375	11	0.047139
0.0720837	1	613	16	0.0216539
0.0945229	1	837	22	0.0344715
0.0715294	1	608	17	0.0490104
0.0917647	1	780	22	0.040739
0.0805882	1	685	19	0.0357427
0.0821176	1	698	20	0.0418248
0.109412	1	930	26	0.0219364
0.0811765	1	690	20	0.0325383
0.0461861	1	551	16	0.0478364
0.0705882	1	600	17	0.0465387
0.133765	1	1137	32	0.0302608
0.0934118	1	794	22	0.0297488
0.0681293	1	590	14	0.0394326
0.0950588	1	808	22	0.0329178
0.123765	1	1052	29	0.0123232
0.0693142	1	658	16	0.0402535
0.0932941	1	793	16	0.0158366
0.0860041	1	848	22	0.00850974
0.0744884	1	899	17	0.0319821
0.127529	1	1084	30	0.0277714
0.0909412	1	773	22	0.0495048
0.0401795	1	815	22	0.0451175
0.0868751	1	742	18	0.0349923
0.101842	1	868	19	0.0312318
0.0628235	1	534	12	0.0445261
0.141647	1	1204	25	0.0242051

0.0668668	1	579	16	0.0463798
0.0832941	1	708	19	0.0347628
0.128824	1	1095	30	0.0130206
0.132	1	1122	32	0.0334122
0.0768871	1	658	19	0.0486044
0.110189	1	943	27	0.03501
0.0815611	1	698	20	0.0356103
0.0944595	1	803	16	0.0330238
0.0697565	1	593	13	0.0434491
0.116471	1	990	25	0.0173108
0.0817647	1	695	20	0.0492576
0.09	1	765	21	0.045806
0.0835256	1	724	21	0.034498
0.0677204	1	587	17	0.0329973
0.0702353	1	597	17	0.0431313
0.101647	1	864	24	0.0297046
0.117529	1	999	26	0.0347451
0.0676471	0.991379	580	10	0.0443142
0.0991096	1	846	23	0.0310817
0.0709412	1	603	17	0.0462916
0.0488235	1	415	12	0.0486926
0.072	1	612	17	0.0477393
0.0748235	1	636	18	0.0423457
0.114256	1	973	24	0.0123762
0.0686102	1	586	15	0.0464769
0.0781414	1	671	19	0.0296605
0.00692428	0.0748792	828	16	0.0131265
0.0974118	1	828	16	0.0131265
0.0691311	1	619	18	0.0473244
0.0728235	1	619	18	0.0473244
0.0744618	1	633	18	0.0347893
0.0727059	1	618	12	0.0430783
0.107406	1	918	26	0.024258
0.0610178	1	705	16	0.0070532
0.088	1	748	18	0.0400417
0.0757345	1	647	18	0.0458855
0.0912941	1	776	22	0.0126322
0.0743529	1	632	16	0.0490369
0.0300716	1	689	19	0.0420808
0.093607	1	798	22	0.0170195
0.0580068	1	635	18	0.0426634
0.136941	1	1164	30	0.0189792
0.0324252	1	632	18	0.0283187
0.0487005	1	416	12	0.0329443
0.0649412	1	552	13	0.0489222
0.112706	1	958	20	0.024876
0.0923945	1	786	18	0.0341184

0.108191	1	951	15	0.0151039
0.0695294	1	591	16	0.0443142
0.077483	1	660	13	0.046883
0.0721674	1	614	12	0.0120761
0.0456056	1	590	11	0.0450027
0.104118	1	885	23	0.0356897
0.138088	1	1183	31	0.0112816
0.0654534	1	820	21	0.0466182
0.0476533	1	597	17	0.0493724
0.0685479	1	583	12	0.0352925
0.0724024	1	616	10	0.0329708
0.0802164	1	682	16	0.021239
0.118157	1	1118	31	0.0168606
0.0681952	1	580	14	0.0357956
0.071017	1	604	17	0.0430872
0.0996358	1	848	14	0.031479
0.0639	1	639	11	0.0358309
0.0730588	1	621	18	0.0351777
0.130235	1	1107	31	0.0232517
0.0922353	1	784	23	0.0264561
0.119647	1	1017	27	0.0201797
0.0794118	1	675	19	0.0240197
0.0587068	1	503	14	0.0155541
0.0703134	1	599	17	0.0459561
0.123137	1	1049	29	0.0290955
0.0777087	1	662	18	0.0475009
0.0712941	1	606	17	0.0393002
0.0646678	1	550	15	0.0468389
0.0942046	1	803	20	0.0377024
0.112824	1	959	21	0.0492576
0.0710588	1	604	13	0.0459296
0.114588	1	974	21	0.0295193
0.0888587	1	784	22	0.0457707
0.0748045	1	660	18	0.0324676
0.0535294	1	455	13	0.016993
0.0531915	1	455	13	0.016993
0.111684	1	953	26	0.0170195
0.0306191	1	596	16	0.0402623
0.0701176	1	596	16	0.0402623
0.0850932	1	963	22	0.0432902
0.0709412	1	603	15	0.0487898
0.0695294	1	591	12	0.0475362
0.0750821	1	640	18	0.0336152
0.0755294	1	642	18	0.0335358
0.0750117	1	640	18	0.0361399
0.0685882	1	583	15	0.0451616
0.0821176	1	698	20	0.0491693

0.0781176	1	664	19	0.0483484
0.0704706	1	599	17	0.0372169
0.0442353	1	376	11	0.0466535
0.0809412	1	688	19	0.0351512
0.0648235	1	551	16	0.0242316
0.0550588	1	468	11	0.0431313
0.0872941	1	742	21	0.0359545
0.0758824	1	645	18	0.0430165
0.121882	1	1036	23	0.0424251
0.0781176	1	664	19	0.0439081
0.197294	1	1677	44	0.0241786
0.109529	1	931	27	0.0332003
0.0985481	1	862	22	0.0470772
0.105865	1	926	26	0.0283187
0.104	1	884	23	0.0324412
0.0751765	1	639	12	0.0440141
0.0843858	1	755	21	0.0317703
0.00917431	0.103311	755	21	0.0317703
0.0670827	1	602	17	0.0440582
0.0261812	1	645	17	0.0398475
0.0781232	1	671	19	0.0307904
0.0334511	1	606	17	0.0475186
0.0516854	1	874	18	0.0352925
0.0849412	1	722	16	0.0422927
0.0744942	1	637	18	0.0454618
0.111098	1	950	25	0.0481012
0.0721553	1	617	12	0.0464328
0.0742353	1	631	18	0.045806
0.0705882	1	600	12	0.0444289
0.0243874	0.35	600	12	0.0444289
0.111747	1	1016	24	0.0416395
0.0384143	0.669408	608	17	0.0336594
0.186588	1	1586	30	0.0230222
0.0357683	1	591	17	0.035672
0.0505961	1	836	24	0.0315143
0.065545	1	1083	26	0.013612
0.0593718	1	981	24	0.0244611
0.0704506	1	602	13	0.0407479
0.0857344	1	732	21	0.0478275
0.0549747	1	489	14	0.0473244
0.0809412	1	688	18	0.0422839
0.0654447	1	557	15	0.0407743
0.0730588	0.918639	676	12	0.02206
0.0747059	1	635	18	0.0463445
0.117294	1	997	20	0.0323617
0.0668739	1	1054	29	0.0470507
0.153059	1	1301	31	0.014742



0.0787587	1	670	19	0.0408803
0.134948	1	1148	30	0.0401476
0.057377	1	490	14	0.0447644
0.0824912	1	702	20	0.0498932
0.111919	1	954	23	0.0199767
0.0884552	1	970	27	0.0227574
0.0704655	1	601	16	0.0485249
0.0783529	1	666	19	0.0482248
0.0817647	1	695	20	0.0283275
0.0592755	1	1003	27	0.0346392
0.111917	1	1003	27	0.0346392
0.0975294	1	829	20	0.0291662
0.112235	1	954	27	0.0429018
0.0647397	1	551	15	0.0289631
0.0979127	1	971	27	0.0168517
0.0902491	1	895	25	0.0330944
0.13385	1	1140	30	0.0139298
0.0709412	1	603	12	0.0480306
0.115331	1	993	24	0.043811
0.0690862	1	592	15	0.038488
0.100222	1	858	24	0.0358133
0.116692	1	999	27	0.0306933
0.0749387	1	703	14	0.0247347
0.0826573	1	703	14	0.0247347
0.0742353	1	631	18	0.0491693
0.0714118	1	607	15	0.039256
0.0395294	0.553542	607	15	0.039256
0.109294	1	929	23	0.0125881
0.161484	1	1423	40	0.0170106
0.071772	1	612	15	0.0493547
0.0702353	1	597	12	0.0444907
0.0724706	1	616	17	0.0494783
0.0390488	1	624	18	0.0408803
0.0894142	1	1044	20	0.00655003
0.049332	1	576	16	0.0365901
0.0591725	1	748	20	0.0484631
0.0990588	1	842	18	0.0323352
0.0791765	1	673	19	0.0483131
0.0789535	1	673	19	0.0483131
0.0689534	1	591	16	0.0452676
0.0648789	1	600	17	0.0485426
0.0616125	1	525	11	0.0463887
0.109021	1	939	24	0.0102929
0.0914118	1	777	20	0.0242227
0.0711765	1	605	17	0.0388499
0.078	1	663	13	0.0478893
0.0721176	1	613	17	0.0379319

0.0891443	1	822	23	0.0360163
0.133101	1	1144	32	0.0244699
0.119377	1	1019	29	0.0246994
0.116663	1	997	21	0.014892
0.0754118	1	641	15	0.0374376
0.0817979	1	697	19	0.0294222
0.0769412	1	654	19	0.0462121
0.147294	1	1252	32	0.0158101
0.0768235	1	653	17	0.0327854
0.0770588	1	655	18	0.0448174
0.0707403	1	602	13	0.0405537
0.0967098	1	823	16	0.0351777
0.0797489	1	686	16	0.0191734
0.0742353	1	631	16	0.039971
0.063909	1	944	26	0.0160749
0.109647	1	932	25	0.0354602
0.121647	1	1034	28	0.0235783
0.0708285	1	607	17	0.0453294
0.0813841	1	755	17	0.0435374
0.04	1	341	10	0.0463887
0.118118	1	1004	27	0.0482336
0.0723529	1	615	17	0.0473244
0.060648	1	526	15	0.0429283
0.0698824	1	594	12	0.0477922
0.0712941	1	606	17	0.0376847
0.0581042	1	670	15	0.0440405
0.0964801	1	836	23	0.0392119
0.0922054	1	860	23	0.0493371
0.0998375	1	860	23	0.0493371
0.0887796	1	758	22	0.0280627
0.104353	1	887	18	0.0313554
0.045658	1	704	20	0.0402447
0.205882	1	1750	47	0.0232429
0.0793301	1	791	17	0.0129853
0.0506713	1	668	19	0.0326972
0.0794118	1	675	17	0.0344538
0.0686746	1	643	16	0.038082
0.0917421	1	801	18	0.0247347
0.239391	1	2059	47	0.00444907
0.0742353	1	631	18	0.0448615
0.0787059	1	669	19	0.0467153
0.0692775	1	605	17	0.0432284
0.0351879	1	382	10	0.0483837
0.100037	1	1086	24	0.023287
0.0555453	1	603	13	0.0491693
0.0697647	1	593	11	0.0477922
0.0928981	1	794	21	0.0186437

0.124706	1	1060	29	0.0127734
0.0686413	1	584	17	0.0466005
0.0673354	1	584	17	0.0466005
0.0790588	1	672	19	0.0391589
0.0194288	1	551	16	0.0205417
0.0254584	1	722	17	0.0411186
0.0219323	1	622	18	0.0407302
0.0255994	1	726	20	0.0235254
0.0241537	1	685	14	0.0235254
0.0404795	1	1148	32	0.0286542
0.0946517	1	807	19	0.0355749
0.0690828	1	589	10	0.0457178
0.0496471	1	422	12	0.0408185
0.0805259	1	686	12	0.0159513
0.0690586	1	614	16	0.0267739
0.036112	1	707	20	0.0299871
0.144235	1	1226	31	0.0166664
0.0402612	1	598	14	0.0340654
0.042887	1	637	18	0.0486044
0.0747653	1	637	17	0.0225014
0.0848912	1	722	16	0.0354778
0.0912941	1	776	21	0.0349923
0.0675294	1	574	16	0.0396709
0.108353	1	921	26	0.0339242
0.104588	1	889	22	0.030605
0.0852911	1	737	15	0.0178228
0.088	1	748	21	0.041816
0.0911861	1	778	21	0.0399004
0.0705882	1	600	16	0.0444466
0.113818	1	1042	29	0.0148832
0.0862353	1	733	21	0.032706
0.110446	1	941	25	0.01423
0.0795294	1	676	15	0.042275
0.11947	1	1064	26	0.0215215
0.0694118	1	590	15	0.0323882
0.0522605	1	593	14	0.0463445
0.129169	1	1100	31	0.0174608
0.0351948	1	588	11	0.0368373
0.0398374	1	588	11	0.0368373
0.0764376	1	763	19	0.0462121
0.0889601	1	888	24	0.0281686
0.0830588	1	706	18	0.0212479
0.0808129	1	855	22	0.0383379
0.123529	1	1050	24	0.0471567
0.132471	1	1126	27	0.0237372
0.0701176	1	596	17	0.0227838
0.0817647	1	695	20	0.0290779

0.0798944	1	908	21	0.0138857
0.136941	1	1164	28	0.0315761
0.0557144	1	799	18	0.0480394
0.0512941	1	436	12	0.0434314
0.0443529	1	377	11	0.0433343
0.0770588	1	655	19	0.0349305
0.124353	0.946285	1117	31	0.0284688
0.0702353	1	597	17	0.0444731
0.202564	1	1722	49	0.0464416
0.084343	1	717	19	0.0470684
0.0981199	1	835	23	0.0359545
0.108382	1	931	26	0.0171077
0.072316	1	617	15	0.0461238
0.100588	1	855	21	0.0263766
0.00827662	0.14265	1381	35	0.00903056
0.124162	1	1056	22	0.0201444
0.130746	1	1149	23	0.0198973
0.114019	1	1002	27	0.0175844
0.0487354	1	1160	32	0.0351159
0.0968757	1	831	20	0.0233047
0.10457	1	897	25	0.0241345
0.0845374	1	901	24	0.0225543
0.0677647	1	576	10	0.044579
0.0937647	1	797	22	0.0339242
0.054	0.765	600	17	0.0452764
0.100706	1	856	20	0.0434756
0.0538824	1	458	13	0.0476863
0.0609105	1	685	16	0.045859
0.109867	1	1089	30	0.0485161
0.0531765	0.47983	942	26	0.0244876
0.0523268	1	741	19	0.0350012
0.0848689	1	806	23	0.0322381
0.0534118	1	454	12	0.0419396
0.0742353	1	631	14	0.0419043
0.0458514	1	688	15	0.0402888
0.0822353	1	699	20	0.0323087
0.104368	1	896	25	0.0160661
0.0751765	1	639	11	0.0319645
0.0794118	1	675	19	0.0294222
0.0948235	1	806	23	0.0463269
0.145882	1	1240	32	0.0242139
0.0683521	1	584	15	0.0383644
0.0708235	1	602	17	0.0494606
0.076	0.995377	649	18	0.0238785
0.0882353	1	750	16	0.0178669
0.0988235	1	840	24	0.0328825
0.0691765	1	588	16	0.044888

0.055556	1	697	20	0.0345774
0.0681109	1	720	20	0.0386999
0.131913	1	1152	32	0.0240638
0.0558484	1	678	18	0.0419396
0.0940141	1	801	21	0.0446496
0.0891765	1	758	22	0.0183789
0.069373	1	593	17	0.0499108
0.0700749	1	599	17	0.0477569
0.0604706	1	514	14	0.0440582
0.0437056	1	677	19	0.0127116
0.112493	1	1067	26	0.023852
0.0709412	1	603	14	0.0411716
0.131437	1	1118	30	0.0164898
0.0729324	1	627	12	0.0336947
0.139767	1	1189	33	0.0161455
0.074762	1	636	18	0.0388853
0.0505593	1	678	15	0.0486573
0.0791779	1	678	15	0.0486573
0.104588	0.973713	913	50	0.0152893
0.0977825	1	1464	59	0.0460002
0.0904706	0.996114	772	15	0.0188733
0.0608235	1	517	10	0.0376582
0.0750713	1	658	18	0.0281686
0.0704882	1	605	14	0.047342
0.0678824	1	577	14	0.0463357
0.0824706	1	701	17	0.0169047
0.0747059	1	635	14	0.0382232
0.0711765	1	605	14	0.0497078
0.0711012	1	605	14	0.0497078
0.0781176	1	664	19	0.0446232
0.0833921	1	709	20	0.0477304
0.0848235	1	721	17	0.0473685
0.0830588	1	706	20	0.0328561
0.118353	1	1006	20	0.0219276
0.0705882	1	600	17	0.0404036
0.0791765	1	673	18	0.0405537
0.0495015	1	422	12	0.0196148
0.0802353	1	682	18	0.0371197
0.0818379	1	716	19	0.01694
0.0656471	1	558	13	0.0477569
0.0968235	1	823	23	0.0333945
0.109928	1	950	26	0.0161455
0.0834877	1	721	21	0.0408803
0.07	1	595	14	0.046936
0.087115	1	741	19	0.0315231
0.117025	1	996	27	0.049902
0.0898126	1	767	22	0.0488162

0.0721176	1	613	12	0.0440582
0.0736311	1	628	18	0.0480835
0.0829439	1	710	18	0.0446585
0.10645	1	911	26	0.00996628
0.0704694	1	614	17	0.021292
0.120706	1	1026	24	0.0243463
0.0494705	1	612	17	0.0244611
0.0576348	1	713	20	0.0473332
0.0704385	1	808	23	0.0385057
0.0835877	1	712	20	0.0347716
0.0518064	1	879	25	0.0351424
0.0544542	1	879	25	0.0351424
0.0719083	1	621	18	0.0332003
0.0603529	1	513	14	0.0482778
0.0716471	1	609	16	0.0481188
0.0702353	1	597	13	0.0220512
0.0918913	1	808	19	0.0435462
0.0684635	1	602	17	0.0471478
0.0755294	1	642	18	0.0408097
0.192941	1	1640	45	0.0105401
0.124941	1	1062	27	0.0119083
0.116353	1	989	27	0.0295193
0.0762841	1	652	14	0.0273035
0.0962054	1	1004	28	0.0120231
0.0391443	1	344	10	0.0489663
0.12932	1	1100	31	0.0164986
0.096285	1	819	22	0.0487898
0.0834118	1	709	20	0.0328296
0.0765882	1	651	12	0.0297046
0.219186	1	2294	63	0.00451087
0.072	1	612	12	0.0334916
0.0528235	1	449	13	0.0485426
0.0578786	1	717	20	0.0276919
0.0831497	1	717	20	0.0276919
0.0727804	0.73956	910	25	0.0227132
0.081935	1	708	20	0.0499726
0.0708567	1	708	20	0.0499726
0.0721176	1	613	13	0.0212037
0.112389	1	958	27	0.0333592
0.0829669	1	717	20	0.016534
0.106043	1	995	21	0.0254145
0.100075	1	939	25	0.0242934
0.0749824	1	639	18	0.0481983
0.0687041	1	589	10	0.0444907
0.119415	1	1021	21	0.0187762
0.0832941	1	708	19	0.00839498
0.0611765	1	520	15	0.047704

0.0745882	1	634	18	0.0402623
0.0995294	1	846	24	0.0233929
0.0835294	1	710	16	0.0466711
0.121412	1	1032	29	0.0209742
0.0691765	1	588	14	0.0494077
0.0846443	1	721	16	0.0203828
0.0695734	1	592	16	0.0469801
0.0678261	1	585	10	0.0400593
0.0737782	1	628	18	0.0452411
0.0738824	1	628	18	0.0410039
0.0544674	1	698	19	0.0382055
0.0825175	1	708	20	0.0463798
0.0698824	1	594	17	0.045806
0.10446	1	904	21	0.0403153
0.0911765	1	775	19	0.0295281
0.121176	1	1030	27	0.0224219
0.0835294	1	710	20	0.0242845
0.102235	1	869	25	0.0159778
0.0958824	1	815	22	0.035928
0.0730502	1	621	18	0.0285835
0.0694999	1	592	15	0.0493282
0.0850939	1	725	18	0.0497255
0.0774118	1	658	18	0.0411628
0.0923869	1	790	22	0.0284688
0.11332	1	969	28	0.0253527
0.0918824	1	781	22	0.0317173
0.0401699	1	350	10	0.0482336
0.0957647	1	814	20	0.0466711
0.0850588	1	723	15	0.0166046
0.0694118	1	590	15	0.0402623
0.0908235	1	772	21	0.0350012
0.0705202	1	610	17	0.0432019
0.0636609	1	754	17	0.041613
0.0684735	1	811	18	0.0306404
0.104564	1	1141	26	0.0121114
0.138669	1	1206	31	0.00900408
0.084	1	714	20	0.0196148
0.109412	1	930	23	0.0332974
0.0728235	1	619	17	0.0473155
0.117619	1	1000	24	0.0354867
0.118588	1	1008	28	0.0228015
0.103516	1	945	26	0.0223336
0.0652865	1	596	17	0.0460797
0.0897141	1	819	22	0.0338359
0.0744706	0.99061	639	18	0.00667361
0.0428632	1	712	19	0.0143094
0.0598824	1	509	14	0.0449586

0.0725882	1	617	18	0.0456471
0.07	1	595	17	0.0487721
0.0727209	1	619	18	0.0440141
0.10152	1	868	25	0.029122
0.0683382	1	586	16	0.0411804
0.0794447	1	681	17	0.0279215
0.111111	1	946	26	0.0359457
0.0163529	0.199426	697	17	0.0375082
0.0811087	1	714	21	0.0460179
0.111551	1	958	27	0.0182377
0.0717647	1	610	16	0.0482866
0.0934525	1	795	20	0.0149627
0.0768147	1	654	19	0.0403506
0.0407059	1	346	10	0.0478982
0.127059	1	1080	25	0.0152098
0.114729	1	976	21	0.035725
0.0965882	1	821	16	0.0257764
0.0712941	1	606	14	0.0461062
0.071269	1	606	14	0.0461062
0.0734483	1	626	17	0.0477304
0.0663178	1	583	15	0.0462827
0.110471	1	939	24	0.023287
0.0650962	1	619	18	0.0475362
0.0803299	1	711	20	0.0450557
0.0709393	1	611	17	0.048931
0.07	1	595	13	0.048984
0.0498767	1	607	17	0.0444025
0.113529	1	965	27	0.0325383
0.109529	1	931	23	0.0322911
0.111647	1	949	22	0.022263
0.0698275	1	595	17	0.0386557
0.0746181	1	635	18	0.030402
0.0677154	1	1003	28	0.022369
0.0461113	1	683	20	0.0373757
0.0704159	1	1043	27	0.0170636
0.0519849	1	770	22	0.0325471
0.0428273	1	635	15	0.0321852
0.0716471	1	609	16	0.0435992
0.070892	1	604	13	0.0257587
0.0895294	1	761	20	0.0357691
0.0536983	1	461	11	0.0242934
0.0857309	1	736	21	0.0387705
0.0680172	1	601	12	0.0340301
0.0856471	1	728	21	0.0335534
0.0856471	1	728	21	0.0335534
0.0710588	1	604	13	0.0392207
0.102941	1	875	18	0.0348864



0.110824	1	942	19	0.0329796
0.0756437	1	755	21	0.0122879
0.0714118	1	607	17	0.0349129
0.138588	1	1178	31	0.017046
0.0385655	0.435013	754	20	0.0349923
0.0507915	1	754	20	0.0349923
0.112062	1	956	21	0.0462651
0.0677758	1	607	17	0.047854
0.0752941	1	640	18	0.0430077
0.103517	1	886	20	0.0214332
0.0632157	1	541	15	0.024258
0.0667443	1	573	15	0.0360958
0.0817647	1	695	19	0.0360163
0.0515294	1	438	10	0.0463798
0.144608	1	1251	35	0.0268533
0.0612888	1	525	14	0.0270475
0.0989481	1	856	21	0.0340389
0.0733131	1	628	17	0.0410127
0.0986827	1	839	21	0.0327854
0.0617647	1	525	14	0.0220953
0.0702353	1	597	17	0.040792
0.0839596	1	715	17	0.0406684
0.115899	1	987	25	0.0153687
0.0511139	1	686	16	0.038744
0.062354	1	614	18	0.0398651
0.105479	1	899	25	0.0103812
0.0782099	1	921	24	0.0377642
0.0723493	1	623	18	0.0350012
0.0731307	1	623	18	0.0350012
0.0756225	1	653	16	0.0408626
0.0871117	1	976	26	0.021751
0.0814305	1	888	19	0.0246994
0.0730819	1	622	17	0.0475627
0.0729412	1	620	18	0.0437139
0.0487119	1	416	11	0.0333945
0.0992974	1	848	24	0.048675
0.0610329	1	520	14	0.0358486
0.0764706	1	650	12	0.011158
0.130389	1	1110	29	0.0328472
0.0722353	1	614	13	0.0408273
0.0493982	1	669	15	0.0467947
0.0715294	1	608	17	0.0489398
0.0735294	1	625	18	0.0467418
0.0722634	1	1014	28	0.0132589
0.0690736	1	595	15	0.0468035
0.0711765	1	605	10	0.0291838
0.071625	1	625	14	0.0496107

0.0701176	1	596	14	0.0418248
0.120781	1	1027	24	0.0498402
0.102471	1	871	19	0.0352925
0.0748744	1	641	15	0.0396533
0.0951712	1	881	24	0.0465387
0.0734828	1	626	11	0.0489663
0.0354118	0.505034	596	17	0.0460002
0.113327	1	966	25	0.024567
0.0698824	1	594	17	0.0497961
0.0536889	1	612	17	0.0408803
0.0615843	1	702	19	0.0350983
0.0694999	1	592	10	0.0315672
0.0232627	0.665541	592	10	0.0315672
0.0756471	1	643	18	0.0418866
0.113882	1	968	27	0.0122261
0.0745882	1	634	14	0.0325559
0.108197	1	920	23	0.0194735
0.07	1	595	17	0.0478364
0.0829412	1	705	15	0.0221836
0.0728235	1	619	16	0.0428223
0.101651	1	868	21	0.0219364
0.0267837	1	592	17	0.0432107
0.0483645	1	1069	26	0.0206123
0.0277338	1	613	17	0.0462033
0.0523358	1	596	17	0.0285924
0.059851	1	514	15	0.0474391
0.0766185	1	658	19	0.0475716
0.0546458	1	891	24	0.0239226
0.116235	1	988	25	0.0101781
0.137882	1	1172	33	0.00986035
0.0888235	1	755	20	0.032141
0.036403	1	606	17	0.0453735
0.0932941	1	793	22	0.0246023
0.0978824	1	832	19	0.0359545
0.0460781	1	393	11	0.0487721
0.071862	1	675	19	0.0294222
0.107882	1	917	22	0.0224219
0.11599	1	988	27	0.0289455
0.0762353	1	648	19	0.0491605
0.0657647	1	559	14	0.0457443
0.0702353	1	597	17	0.0381967
0.046081	1	438	12	0.0462562
0.087566	1	1012	26	0.0187144
0.110353	1	938	23	0.0491252
0.100471	1	854	23	0.049443
0.110328	1	939	21	0.0156424
0.117371	1	1000	26	0.0150774

0.114588	1	974	28	0.0213096
0.112329	1	963	21	0.0479335
0.136268	1	1164	31	0.0144065
0.0688235	1	585	16	0.0490104
0.114413	1	978	23	0.0358045
0.106353	1	904	24	0.0218481
0.133765	1	1137	25	0.0208859
0.0937055	1	856	25	0.0300136
0.119849	1	1050	27	0.0164104
0.126118	1	1086	31	0.0171077
0.0836471	1	711	14	0.0424428
0.129176	1	1098	31	0.0111757
0.0522788	1	1131	29	0.015766
0.0724178	1	617	13	0.0439081
0.0830588	1	706	18	0.0438816
0.143243	1	1220	34	0.0344715
0.0393027	1	611	16	0.0497255
0.0382092	0.99	600	11	0.0488957
0.0701176	1	596	13	0.0286806
0.077122	1	656	19	0.0389029
0.0701176	1	596	15	0.0472361
0.0691765	1	588	16	0.0461238
0.0755404	1	643	18	0.0460444
0.0704126	1	599	17	0.0479158
0.119647	1	1017	24	0.0260942
0.0694656	1	594	12	0.0428488
0.0683529	1	581	10	0.0461415
0.0470385	1	625	18	0.045806
0.200118	1	1701	44	0.0111933
0.0685882	1	583	16	0.031479
0.0488785	1	584	17	0.0323882
0.0685527	1	584	17	0.0323882
0.0696731	1	601	14	0.048216
0.0680009	1	615	17	0.0473155
0.100941	1	858	24	0.0106019
0.0768791	1	673	14	0.0491075
0.123529	1	1050	22	0.0235254
0.0796471	1	677	19	0.0460179
0.112689	1	960	26	0.0242934
0.112037	1	955	27	0.0244081
0.0947059	1	805	22	0.0420455
0.0882092	1	796	22	0.0168871
0.0932412	1	796	22	0.0168871
0.0686114	1	588	12	0.0414011
0.0444352	1	749	19	0.0461062
0.0664003	1	565	16	0.0359545
0.0349136	0.526408	568	14	0.0478364

0.0786957	1	683	15	0.0399004
0.0411762	1	850	21	0.0423457
0.0364611	1	619	17	0.0459738
0.0636586	1	546	12	0.0486573
0.0881427	1	756	15	0.0424428
0.0849289	1	723	20	0.0353454
0.0819922	1	698	18	0.0360781
0.102432	1	872	25	0.0331032
0.0860127	1	733	14	0.0223601
0.0882353	1	750	15	0.0248936
0.0869057	1	744	21	0.0426634
0.0717842	1	620	18	0.049187
0.0883251	1	752	21	0.0333328
0.0683529	1	581	10	0.0341449
0.104824	1	891	20	0.0223248
0.078	1	663	19	0.0346922
0.105067	1	902	25	0.0494783
0.068538	1	586	13	0.0482778
0.0849944	0.69697	1089	29	0.0232429
0.0763529	1	649	16	0.0459649
0.0724348	1	617	16	0.0446232
0.0736471	1	626	11	0.0284335
0.0897993	1	765	22	0.0336329
0.0720638	1	624	18	0.0318762
0.097027	1	842	17	0.0103282
0.0990588	1	842	17	0.0103282
0.0918414	1	797	22	0.0251849
0.142437	1	1211	30	0.00866863
0.0841023	1	720	20	0.0465476
0.0682582	1	589	17	0.0497166
0.0728235	1	619	15	0.0489045
0.0862367	1	1146	31	0.0352042
0.0779827	1	668	19	0.0434756
0.0701858	1	597	17	0.0488251
0.0749412	1	637	13	0.0499638
0.084	1	714	16	0.0155806
0.0828355	1	721	20	0.0445967
0.109884	1	1015	26	0.0321675
0.0704706	1	599	17	0.0466182
0.105176	1	894	25	0.0475362
0.0864706	1	735	20	0.0169312
0.072953	1	752	21	0.0340566
0.0812941	1	691	16	0.0232429
0.0767059	1	652	17	0.0462827
0.121722	1	1049	29	0.01694
0.0814118	0.659676	1049	29	0.01694
0.0714118	1	607	18	0.0232076

0.0768235	1	653	17	0.0396356
0.0697297	1	645	18	0.042125
0.066651	1	568	16	0.0444466
0.103838	1	901	23	0.0431048
0.0770948	1	656	16	0.0475362
0.0602579	1	514	15	0.0473332
0.0830588	1	706	18	0.0320086
0.0879262	1	820	22	0.0283628
0.0964706	1	820	22	0.0283628
0.137412	1	1168	27	0.0119525
0.0337171	1	694	20	0.0488251
0.0757647	1	644	14	0.0317085
0.0744706	1	633	12	0.0292368
0.0375595	1	631	17	0.0370491
0.0702353	1	597	17	0.0483484
0.163529	1	1390	39	0.0322205
0.0965804	1	836	24	0.0315672
0.0888784	1	756	21	0.0361399
0.0698824	1	594	11	0.042381
0.0712941	1	606	11	0.0480924
0.102471	1	871	25	0.0243022
0.0696598	1	602	14	0.0445349
0.114706	1	975	26	0.0339065
0.0715294	1	608	17	0.0464416
0.0750588	1	638	18	0.0322911
0.0971765	1	826	23	0.0245052
0.0706598	1	604	17	0.0237902
0.0505381	1	432	10	0.0499903
0.072561	1	627	17	0.0432725
0.0851765	1	724	19	0.035416
0.0801177	1	681	19	0.0499638
0.0901176	1	766	21	0.0340389
0.0747367	1	660	19	0.0341714
0.0803986	1	710	15	0.0124733
0.103412	1	879	23	0.0347451
0.140901	1	1204	31	0.0151039
0.0731541	1	642	16	0.0439523
0.0688235	1	585	16	0.0468035
0.0703529	1	598	12	0.0416836
0.0878824	1	747	17	0.0329885
0.0966643	1	823	13	0.0131442
0.0863529	1	734	21	0.0350718
0.0957647	1	814	23	0.0477304
0.0700753	1	847	24	0.033783
0.064	0.987296	551	12	0.0436345
0.0937682	1	966	24	0.010081
0.113647	1	966	24	0.010081

0.0627059	1	533	15	0.0446585
0.139647	1	1187	28	0.0120584
0.0697647	1	593	11	0.041048
0.0952325	1	815	17	0.0349923
0.116471	1	990	24	0.0334828
0.0476661	1	676	19	0.0489398
0.0892857	1	760	19	0.0326177
0.0503529	1	428	12	0.0437669
0.0771765	1	656	19	0.0439258
0.108353	1	921	25	0.0213891
0.0274993	1	587	17	0.0459031
0.0575772	1	587	17	0.0459031
0.182706	1	1553	43	0.0338889
0.0862353	1	733	20	0.0326795
0.09	1	765	21	0.0323882
0.0982353	1	835	19	0.0222542
0.0765882	1	651	18	0.040792
0.116471	1	990	28	0.0336594
0.0870588	1	740	21	0.0245052
0.0869974	1	740	21	0.0245052
0.123294	1	1048	23	0.0288219
0.0695438	1	593	17	0.0446408
0.0767059	1	652	18	0.0487809
0.0846082	1	730	21	0.032397
0.10106	1	877	25	0.0325559
0.0802353	1	682	15	0.0416659
0.0721311	1	616	13	0.04427
0.0754761	1	650	14	0.0483572
0.0717478	1	610	17	0.0456295
0.0781176	1	664	19	0.0461503
0.0496519	1	649	13	0.0106283
0.0747456	1	977	25	0.0165251
0.0646067	1	552	10	0.0394502
0.0755294	1	642	12	0.0408538
0.0474633	1	653	18	0.0339242
0.129882	1	1104	20	0.00938366
0.11	1	935	26	0.03117
0.104118	1	885	24	0.0463887
0.0635294	1	540	15	0.0477569
0.0763529	1	649	13	0.0496725
0.0750588	1	638	18	0.0487368
0.0710588	1	604	17	0.0446408
0.086	1	731	21	0.0434491
0.0804706	1	684	19	0.0239049
0.110941	1	943	27	0.0171431
0.0789079	1	948	25	0.0246994
0.111412	1	947	26	0.0334828

0.0847059	1	720	20	0.0386204
0.170235	1	1447	34	0.0234371
0.128824	1	1095	26	0.0338801
0.0699671	1	595	17	0.0440229
0.112183	1	954	27	0.0150244
0.151529	1	1288	31	0.0210272
0.0666667	1	569	16	0.0441553
0.0838808	1	715	15	0.0330061
0.0888343	1	759	15	0.0495313
0.120118	1	1021	26	0.0236048
0.0729412	0.982567	631	12	0.0298988
0.0961606	1	819	23	0.0300577
0.0417654	1	617	12	0.0444466
0.0615989	1	910	23	0.0164545
0.0796471	1	677	19	0.0498402
0.0442025	1	613	17	0.0393002
0.0682628	1	613	17	0.0393002
0.0661926	1	754	21	0.0311259
0.0787956	1	683	19	0.0332092
0.0506909	1	653	14	0.0383379
0.143925	1	1232	26	0.0138062
0.0823584	1	704	16	0.0497784
0.0330208	1	634	18	0.042275
0.0847696	1	723	21	0.0493459
0.121531	1	1038	28	0.0340478
0.075401	1	644	18	0.0414717
0.0819232	1	702	20	0.0326354
0.0734914	1	626	16	0.026359
0.0880156	1	766	21	0.0431578
0.0358974	1	462	12	0.047704
0.063843	1	615	14	0.0352395
0.063717	1	589	17	0.0480041
0.0688325	1	589	17	0.0480041
0.0797979	1	679	15	0.0388853
0.092436	1	798	23	0.035725
0.0564621	1	609	17	0.0431048
0.0536471	0.987013	462	13	0.0371197
0.0799252	1	684	18	0.0318762
0.0703948	1	608	17	0.0498402
0.117775	1	1027	22	0.0247877
0.0768688	1	654	18	0.0445349
0.0537676	1	558	15	0.0148479
0.0551765	1	469	13	0.0421426
0.088218	1	751	19	0.0161985
0.0778823	1	662	19	0.0434756
0.0600562	1	513	14	0.0404124
0.0559326	1	478	14	0.0349923

0.0865882	1	736	16	0.0352925
0.103186	1	881	24	0.0493547
0.0844706	1	718	17	0.0440847
0.0792941	1	674	14	0.0443671
0.0754495	1	642	17	0.0476069
0.0908985	1	778	20	0.0216363
0.0896471	1	762	18	0.0321499
0.0896471	1	762	18	0.0321499
0.0715294	1	608	17	0.0441641
0.0736938	1	646	13	0.0296781
0.13762	1	1175	31	0.0165869
0.0444706	1	378	11	0.0328649
0.0723529	1	615	11	0.0462562
0.0736471	1	626	17	0.0289631
0.0736297	1	626	17	0.0289631
0.07	1	595	17	0.0396533
0.0535506	1	966	28	0.0237019
0.0770588	1	655	17	0.042072
0.0721176	1	613	17	0.0496284
0.0776471	1	660	19	0.0465476
0.0751233	1	655	19	0.0483484
0.107176	1	911	26	0.0168517
0.0737869	1	628	14	0.0319556
0.0698824	1	594	13	0.0492664
0.0774118	1	658	19	0.0367931
0.0149977	0.199693	651	19	0.0454971
0.119412	1	1015	28	0.0227132
0.0712817	1	624	16	0.0346392
0.126571	1	1108	31	0.0131972
0.0974435	1	850	21	0.0415865
0.0971885	1	840	22	0.0243816
0.0917744	1	781	22	0.0274271
0.0741481	1	631	12	0.0466976
0.0687059	1	584	16	0.0491958
0.0622353	1	529	15	0.0335005
0.0696471	1	592	14	0.0435021
0.0728235	1	619	14	0.0429018
0.0600166	1	796	23	0.0457354
0.12932	1	1100	30	0.0102664
0.0690588	1	587	15	0.0482778
0.0812667	1	698	18	0.0341537
0.133059	1	1131	18	0.0187673
0.13168	1	1131	18	0.0187673
0.0678629	1	885	21	0.032397
0.0560412	1	686	20	0.0452411
0.0481987	1	590	17	0.0460532
0.0999066	1	856	24	0.0209477



0.0888085	1	761	14	0.0222365
0.0720514	1	628	18	0.0480394
0.0858852	1	732	21	0.028866
0.0816875	1	699	16	0.0394767
0.0710588	1	604	10	0.0333328
0.103832	1	886	25	0.0462298
0.0735743	1	627	12	0.0441906
0.150053	1	1278	34	0.0226426
0.0766698	1	652	18	0.0379142
0.0729863	1	666	17	0.0189439
0.075651	1	645	18	0.0348864
0.0728235	1	619	18	0.0495048
0.113933	1	969	20	0.021292
0.0712941	0.918182	660	19	0.0455412
0.0697347	1	594	17	0.0466005
0.102118	1	868	20	0.0100369
0.0549624	1	592	12	0.0474833
0.0821559	1	785	22	0.0473244
0.0623794	1	711	20	0.0337741
0.0834213	1	711	20	0.0337741
0.0937647	1	797	19	0.0487721
0.0540521	1	763	21	0.0448174
0.105805	1	904	25	0.0328296
0.106353	1	904	25	0.0328296
0.0747653	1	637	17	0.048622
0.0795294	1	676	13	0.0394149
0.0710588	1	604	17	0.0468035
0.0622178	1	689	14	0.0328472
0.0835392	1	744	21	0.0260854
0.0992589	1	884	22	0.0191469
0.0748826	1	638	18	0.038285
0.0654825	1	988	22	0.033474
0.0875235	1	745	17	0.0488427
0.112353	1	955	23	0.0221394
0.0712941	1	606	17	0.0495842
0.0649412	1	552	14	0.0431578
0.0936697	1	802	21	0.0439081
0.133964	1	1147	29	0.0160131
0.0715294	1	608	18	0.0387087
0.128756	1	1487	41	0.0273212
0.088	1	748	21	0.0447467
0.0869339	1	1004	16	0.0338801
0.0804972	1	693	18	0.0182553
0.0326526	0.408369	693	18	0.0182553
0.119699	1	1019	27	0.00992214
0.122235	1	1039	27	0.00998393
0.129647	1	1102	31	0.013206

0.108	1	918	26	0.0353896
0.0614085	1	538	11	0.0475716
0.107076	1	911	24	0.0311259
0.0883529	1	751	19	0.0465476
0.138941	1	1181	28	0.0216539
0.106941	1	909	25	0.00525238
0.0556471	0.483146	979	20	0.0356191
0.117647	1	1000	23	0.0332092
0.0767059	1	652	18	0.0438993
0.0682353	1	580	16	0.0493371
0.185882	1	1580	43	0.0172755
0.057874	1	735	21	0.0232341
0.0553799	1	473	10	0.0282216
0.0772941	1	657	17	0.0317085
0.0483529	1	411	10	0.0428312
0.126588	1	1076	28	0.0220247
0.0983529	1	836	23	0.0332798
0.0788235	1	670	19	0.0389647
0.0812941	0.885897	780	22	0.0280627
0.0712941	1	606	16	0.0452676
0.0674353	1	930	26	0.0326619
0.06835	1	582	14	0.0481188
0.0804921	1	687	15	0.0320704
0.0799485	1	683	19	0.0316908
0.0902353	1	767	18	0.0331739
0.0963529	1	819	19	0.0308081
0.0849412	1	722	20	0.031117
0.0790588	1	672	17	0.0383909
0.227529	1	1934	48	0.004555
0.102157	1	1269	34	0.0181494
0.0791569	1	676	17	0.0484896
0.0838702	1	716	18	0.0463357
0.0937096	1	797	21	0.0232605
0.0756471	1	643	16	0.0395473
0.0769962	1	810	18	0.0317614
0.0381176	0.4	810	18	0.0317614
0.0795294	1	676	19	0.0482248
0.121412	1	1032	22	0.0224661
0.0887059	1	754	20	0.0201356
0.0573181	1	757	14	0.0493017
0.0732506	1	626	15	0.0464858
0.0711023	1	607	11	0.0471743
0.0512074	1	827	23	0.0431048
0.0546383	1	738	21	0.032397
0.0744831	1	634	18	0.0419572
0.080506	1	700	14	0.0284688
0.0759821	1	646	18	0.0273035

0.110674	1	957	26	0.0244169
0.0755294	1	642	18	0.0266415
0.0557419	1	482	14	0.0328472
0.0889412	1	756	20	0.0425222
0.0429051	1	371	10	0.0441553
0.0571294	1	486	14	0.0240462
0.0737925	1	631	13	0.0421073
0.0804813	1	689	39	0.0114228
0.104452	1	1023	24	0.00664713
0.0975979	1	837	16	0.0111933
0.101176	1	860	24	0.0357868
0.0619388	1	538	14	0.0487721
0.103511	1	914	25	0.0428577
0.0876471	1	745	21	0.0446232
0.101754	1	1027	26	0.0287071
0.073887	1	629	18	0.0259794
0.109138	1	1149	30	0.0113787
0.0698824	1	594	17	0.0415512
0.127647	1	1085	30	0.049443
0.0725882	1	617	14	0.0307551
0.0689817	1	588	10	0.0447114
0.121882	1	1036	27	0.0229251
0.117474	1	1001	28	0.0209742
0.0751765	1	639	18	0.040589
0.0822353	1	699	20	0.0323087
0.0807059	1	686	19	0.0288219
0.0697647	1	593	13	0.0375788
0.0914118	1	777	19	0.033933
0.04265	1	609	17	0.0438375
0.077748	1	667	17	0.0492576
0.10957	1	940	26	0.030914
0.0838824	1	713	20	0.0295193
0.0875294	1	744	21	0.0330503
0.0942353	1	801	20	0.046883
0.0850588	1	723	20	0.0340301
0.0778769	1	672	19	0.0463887
0.0656333	1	614	14	0.0462562
0.0717647	1	610	17	0.0463357
0.0757435	1	652	18	0.0240727
0.0703529	1	598	17	0.0450027
0.112588	1	957	27	0.0345421
0.0923709	1	787	19	0.0324323
0.0689183	1	604	17	0.0337212
0.062454	1	763	18	0.0403065
0.0566733	1	800	22	0.0283628
0.0249248	1	588	17	0.0435992
0.0878439	1	779	21	0.0336682

0.0664186	1	589	17	0.0480571
0.0709412	1	603	16	0.043811
0.0403704	1	654	19	0.042072
0.0515221	1	875	21	0.0497696
0.0776471	1	660	13	0.0414188
0.119278	1	1037	28	0.0161191
0.0752099	1	645	18	0.0446585
0.0414917	1	593	11	0.0479335
0.0425239	1	556	10	0.0421073
0.100481	1	856	21	0.0498402
0.0477756	1	407	11	0.0470684
0.0924686	1	787	19	0.0246553
0.108683	1	925	22	0.0243905
0.0845252	1	721	20	0.0487015
0.101294	1	861	25	0.0327325
0.0417647	1	355	10	0.0489398
0.081465	1	694	14	0.0333769
0.0729412	1	620	17	0.0471037
0.0965929	1	825	19	0.0356014
0.127176	1	1081	60	0.0212037
0.11	1	935	23	0.0168606
0.0579838	1	788	16	0.0458678
0.0727059	1	618	15	0.0441553
0.0981695	1	842	20	0.0270917
0.101176	1	860	22	0.015969
0.0776471	1	660	16	0.0122791
0.0722934	1	615	18	0.0359016
0.0743529	1	632	18	0.0348511
0.094	0.720469	1109	31	0.0229427
0.0234118	0.252218	789	22	0.0321499
0.0917442	1	789	22	0.0321499
0.129397	1	1100	30	0.0100899
0.0864706	1	735	17	0.0276831
0.0929001	1	1158	30	0.0222718
0.0652941	1	555	13	0.0130912
0.114471	1	973	24	0.0368902
0.0907059	1	771	22	0.0333592
0.0728235	1	619	18	0.0350012
0.0562389	1	631	12	0.0399622
0.0546334	1	655	17	0.0352042
0.0769773	1	655	17	0.0352042
0.0768235	1	653	14	0.0479246
0.056815	1	614	11	0.0466182
0.0679521	1	726	17	0.0193323
0.0376117	1	526	14	0.0454353
0.09	1	765	21	0.0467064
0.0996471	1	847	21	0.0261118

0.0669311	1	1080	28	0.013153
0.0344571	1	556	16	0.0391677
0.0783674	1	697	18	0.0422574
0.0779541	1	663	16	0.0330767
0.110235	1	937	26	0.0333769
0.0687756	1	587	13	0.0414011
0.0983529	1	836	24	0.0424428
0.105176	1	894	25	0.0468565
0.0742348	1	633	18	0.0345863
0.0729412	0.984127	630	18	0.049443
0.0757647	1	644	11	0.040792
0.061842	1	699	13	0.0350012
0.0722353	1	614	18	0.0437934
0.067969	1	588	16	0.046062
0.0408235	1	347	10	0.0429106
0.0708232	1	610	13	0.0371462
0.0736568	1	680	19	0.0319821
0.0931765	1	792	21	0.0360693
0.0810588	1	689	17	0.0317526
0.0989412	1	841	24	0.0454794
0.059535	1	507	11	0.046168
0.0596471	1	507	11	0.046168
0.0729739	1	624	18	0.0413393
0.0738696	1	629	17	0.0450822
0.0720498	1	613	13	0.0333681
0.0710421	1	604	17	0.0488957
0.0948012	1	806	17	0.023543
0.107647	1	915	23	0.0228456
0.0684915	1	583	16	0.0493812
0.077792	1	668	19	0.0437934
0.0458328	1	391	12	0.0475186
0.106787	1	911	24	0.0336064
0.0695764	1	593	16	0.0362635
0.101018	1	863	21	0.0266062
0.0841176	1	715	20	0.0220247
0.0786149	1	672	17	0.04427
0.0925643	1	788	20	0.0472361
0.0711765	1	605	17	0.0492311
0.114824	1	976	25	0.0310111
0.080821	1	756	21	0.0326177
0.0767621	1	917	24	0.0244523
0.0783119	1	720	16	0.0463887
0.117529	1	999	23	0.0450027
0.106824	1	908	25	0.013206
0.0755116	1	642	18	0.0343921
0.0724706	1	616	17	0.0430783
0.0964706	1	820	23	0.0195088

0.0728235	1	619	17	0.0240638
0.054889	1	613	10	0.0457178
0.0726846	1	620	12	0.0314613
0.0702405	1	777	17	0.0475098
0.0715038	1	611	17	0.0492841
0.0760593	1	657	15	0.0447909
0.0736471	1	626	18	0.0414011
0.0758089	1	649	14	0.0474833
0.0777843	1	667	19	0.0290602
0.0912941	1	776	20	0.0346834
0.108235	1	920	22	0.0293604
0.0685882	1	583	14	0.0453205
0.0750588	1	638	15	0.0326707
0.0821516	1	701	20	0.0211155
0.0593955	1	507	14	0.0483837
0.0701176	1	596	16	0.0437934
0.0504706	0.396488	1082	27	0.019809
0.116334	1	990	28	0.0325824
0.078	1	663	18	0.0491958
0.0908988	1	801	20	0.0456736
0.0909624	1	775	21	0.0405713
0.0807059	1	686	12	0.0426546
0.0681498	1	1112	28	0.0328384
0.0889924	1	764	21	0.0310994
0.100941	1	858	24	0.0283982
0.0745882	1	634	16	0.0298812
0.0842353	1	716	20	0.0417895
0.0712941	1	606	17	0.0452146
0.0467059	0.449604	883	25	0.0162603
0.0858824	1	730	17	0.0424781
0.0770674	1	657	19	0.0461503
0.121074	1	1033	28	0.0233929
0.114392	1	988	26	0.0317173
0.062	1	527	15	0.042531
0.0857647	1	729	18	0.0476598
0.0855294	1	727	21	0.0318762
0.106001	1	922	26	0.0326265
0.0716435	1	619	17	0.0438287
0.0674133	1	614	14	0.0460091
0.0880253	1	752	21	0.0404213
0.0680562	1	591	17	0.0493371
0.0749108	1	693	19	0.0298812
0.0674082	1	600	17	0.046168
0.0931612	1	801	22	0.0329708
0.0410509	1	350	10	0.0408185
0.131038	1	1115	31	0.00810367
0.0816171	1	856	18	0.032706

0.105109	1	897	19	0.046168
0.08281	1	712	18	0.0401123
0.0633803	1	540	15	0.0311259
0.0678824	1	577	10	0.0466888
0.0404706	1	344	10	0.0478099
0.0275574	1	653	15	0.0204093
0.0442668	1	598	17	0.0480924
0.0556581	1	603	17	0.0371815
0.0943529	1	802	20	0.0332886
0.092	1	782	22	0.0335093
0.133817	1	1144	32	0.0126057
0.0694864	1	598	16	0.0225014
0.103579	0.994475	905	25	0.0165516
0.0770588	1	655	19	0.0337741
0.0895733	1	762	20	0.0460091
0.0838824	1	713	20	0.048675
0.0838824	1	713	20	0.048675
0.0427928	1	627	12	0.0338536
0.0744382	1	636	18	0.0484366
0.077031	1	659	14	0.0355838
0.0828548	1	707	14	0.0386293
0.0900035	0.969697	792	19	0.0355838
0.0995294	1	846	17	0.0296164
0.080207	1	682	19	0.0360163
0.0457256	0.498724	784	19	0.0295987
0.0741176	1	630	15	0.0301019
0.0976471	1	830	22	0.0411363
0.157551	1	1351	37	0.0161544
0.0976471	1	830	23	0.0192882
0.0856471	1	728	20	0.0467771
0.0802259	1	682	18	0.0476598
0.071521	1	608	16	0.0473244
0.0703948	1	822	23	0.0239138
0.069172	1	589	17	0.0483395
0.064657	1	755	20	0.0357691
0.177452	1	1511	43	0.00947194
0.0770588	1	655	18	0.0232429
0.168	1	1428	37	0.0463887
0.0982965	1	854	24	0.0498402
0.0811765	1	690	19	0.0411539
0.126	1	1071	29	0.0341978
0.0744706	1	633	18	0.04427
0.0753986	1	1168	27	0.0125704
0.0812941	1	691	16	0.0351777
0.0744219	1	634	13	0.0409333
0.0722085	1	615	13	0.039459
0.127612	1	1093	20	0.0326707

0.0801787	1	682	16	0.041251
0.139294	1	1184	27	0.0163133
0.0820394	1	708	20	0.0242316
0.115361	1	1134	31	0.0167017
0.0595086	0.453416	1127	27	0.0206829
0.0684223	1	582	17	0.0455324
0.0591765	1	503	14	0.0474833
0.0721176	1	613	17	0.0492576
0.0667548	1	606	14	0.0498844
0.0881869	1	751	17	0.0328472
0.0908986	1	788	18	0.0300754
0.0927059	1	788	18	0.0300754
0.0876318	1	931	25	0.0182288
0.0801177	1	681	15	0.0486485
0.0693688	1	611	17	0.0394944
0.104791	1	923	25	0.036034
0.0994118	1	845	24	0.0315408
0.0362241	1	604	17	0.0394767
0.120179	1	1047	29	0.0198443
0.137631	1	1170	28	0.0104518
0.118184	1	1023	29	0.0119613
0.0718297	1	614	17	0.0490104
0.0797229	1	679	16	0.0491252
0.0871765	1	741	19	0.0491958
0.0854867	1	837	24	0.0164633
0.0763269	1	650	19	0.0291044
0.0939408	1	800	21	0.0324941
0.0921514	1	789	22	0.0485073
0.084	1	714	20	0.0262796
0.0742353	1	631	17	0.0438993
0.123465	1	1056	23	0.0292191
0.0754848	1	654	18	0.0436433
0.02465	1	419	10	0.0493812
0.0697838	1	594	17	0.0489398
0.0405835	1	345	10	0.0430607
0.0693221	1	590	13	0.04811
0.0789412	1	671	19	0.0423721
0.108775	1	926	26	0.0298459
0.0932941	1	793	18	0.036034
0.0836471	1	711	20	0.0356809
0.0402318	1	493	14	0.0463357
0.0541048	1	663	18	0.0290602
0.127804	1	1094	31	0.00632934
0.0750552	1	646	18	0.0483219
0.0827059	1	703	17	0.0220158
0.0905882	1	770	21	0.0321499
0.069675	1	596	15	0.0408979



0.0838824	1	713	21	0.0313642
0.104	1	884	21	0.0245229
0.129294	1	1099	30	0.0300577
0.0715584	1	630	18	0.0319821
0.0486157	1	583	15	0.0433961
0.0374969	1	598	17	0.0459473
0.0818025	1	1091	27	0.0346834
0.0907701	1	772	18	0.0246818
0.0725456	1	617	17	0.049902
0.0776608	1	664	19	0.0242227
0.0614118	1	522	15	0.00523472
0.100706	1	856	23	0.033783
0.120235	1	1022	18	0.0239138
0.0575294	0.766458	638	16	0.0323441
0.0497281	1	759	21	0.0333328
0.0998837	1	1374	36	0.0138327
0.0241749	1	471	10	0.0446408
0.0857738	1	741	21	0.0336329
0.0957647	1	814	23	0.0268004
0.0855646	1	735	21	0.0228898
0.0914118	1	777	16	0.0453911
0.0763529	1	649	16	0.0485161
0.0724824	1	619	18	0.0492223
0.0957922	1	815	21	0.0297311
0.094	1	799	22	0.0469448
0.0545214	1	659	12	0.0419043
0.0584055	1	600	17	0.0127116
0.0837549	1	712	20	0.0406949
0.0890588	1	757	21	0.03501
0.0340711	1	742	21	0.0352395
0.0699695	1	596	15	0.0462298
0.0884706	1	752	20	0.0446408
0.076285	1	653	17	0.0478275
0.0807417	1	688	20	0.0291485
0.0710011	1	605	15	0.0455059
0.0830588	1	706	20	0.0359192
0.148287	1	1264	36	0.0209565
0.0721176	1	613	18	0.0406772
0.100649	1	869	14	0.0237019
0.122824	1	1044	28	0.0235783
0.0716302	1	609	13	0.0459914
0.100471	1	854	23	0.0355838
0.0858244	1	735	20	0.0352042
0.0804706	1	684	19	0.0469713
0.108916	1	926	25	0.0408185
0.122	1	1037	27	0.016534
0.116353	1	989	26	0.0345863

0.0882353	1	750	19	0.0478275
0.128238	1	1099	25	0.0310288
0.0698002	1	594	17	0.0335358
0.0401935	1	648	18	0.0350012
0.129059	1	1097	31	0.0271005
0.0174314	1	582	17	0.0495401
0.0598802	1	510	13	0.0484719
0.0850588	1	723	21	0.0446408
0.0698521	1	595	16	0.047651
0.0823529	1	700	20	0.0472891
0.0420569	1	687	20	0.0394326
0.0809412	1	688	20	0.0491252
0.191529	1	1628	46	0.0242227
0.103294	1	878	22	0.00527886
0.0829412	1	705	19	0.0463975
0.0846587	1	841	23	0.0169047
0.106314	1	948	27	0.0297576
0.068347	1	583	16	0.0479776
0.0764361	1	652	13	0.0438728
0.0767059	1	652	18	0.0449233
0.0924706	1	786	19	0.0480924
0.0703529	1	598	10	0.0402712
0.0353031	1	598	10	0.0402712
0.0722013	1	614	18	0.04156
0.146049	1	1242	27	0.0168606
0.142588	1	1212	28	0.0204093
0.0752941	1	640	13	0.0408803
0.082158	1	699	15	0.0174167
0.124	1	1054	30	0.0223954
0.0864399	1	742	21	0.0334916
0.0793317	1	679	16	0.0427164
0.0683705	1	626	18	0.0382055
0.0707059	1	601	12	0.0445437
0.0481236	1	754	21	0.0315055
0.114941	1	977	22	0.0474126
0.0810588	1	689	19	0.0422662
0.0974118	1	828	22	0.0403683
0.0850588	1	723	14	0.0276478
0.117765	1	1001	28	0.0320086
0.0875294	1	744	20	0.0284246
0.0842643	1	1335	37	0.0187673
0.0839781	1	1335	37	0.0187673
0.0774118	1	658	12	0.0307992
0.0959991	1	823	23	0.0339772
0.0782353	1	665	17	0.0468565
0.0934118	1	794	23	0.0403948
0.118941	1	1011	27	0.017196

0.0898824	1	764	21	0.0292279
0.0456471	1	388	11	0.0422927
0.0493138	1	618	18	0.0485867
0.0771765	1	656	18	0.0329002
0.0975294	1	829	21	0.0319027
0.0829412	1	705	20	0.0411892
0.0855294	1	727	21	0.0473685
0.0719915	1	612	15	0.0430872
0.106941	1	909	20	0.020983
0.0751765	1	639	17	0.0277891
0.101298	1	866	22	0.0234547
0.0811765	1	690	18	0.0449498
0.0387349	1	594	14	0.0474391
0.0689413	1	590	17	0.0235783
0.126706	1	1077	26	0.0100281
0.0987059	1	839	22	0.0254409
0.0743831	1	633	12	0.0482778
0.0764713	1	651	18	0.0426987
0.0472279	1	529	15	0.0326795
0.103606	1	882	25	0.0414452
0.100588	1	855	24	0.0336064
0.0696471	1	592	17	0.0469801
0.123556	1	1059	29	0.029431
0.0692895	1	590	12	0.0483837
0.0732941	1	623	14	0.0486838
0.0988659	1	863	24	0.0330944
0.0582353	1	495	14	0.0487986
0.111294	1	946	26	0.013206
0.0718824	1	611	12	0.0331032
0.0981043	1	916	21	0.0346039
0.0768961	1	657	13	0.048984
0.0864437	1	982	25	0.0330238
0.115529	1	982	25	0.0330238
0.107412	1	913	25	0.0238785
0.0896074	1	776	22	0.0301548
0.090941	1	776	22	0.0301548
0.143059	1	1216	30	0.0169577
0.0668235	1	568	16	0.0401035
0.106	1	901	19	0.0164633
0.101697	1	869	24	0.0485073
0.0723344	1	616	18	0.0414276
0.0391991	1	601	17	0.0435639
0.111294	1	946	26	0.0356897
0.0474118	1	403	12	0.0415159
0.0903529	1	768	21	0.0335181
0.048175	1	619	17	0.0466093
0.100118	1	851	24	0.0341625

0.0910588	1	774	22	0.0482336
0.0793234	1	694	18	0.0275684
0.0894299	1	764	19	0.0313995
0.0706171	1	951	26	0.0221747
0.0628661	1	601	17	0.0473244
0.0796025	1	761	21	0.0360075
0.0792941	1	674	15	0.0465211
0.0688073	1	585	16	0.0486573
0.0687471	1	586	14	0.0477304
0.0739003	1	630	18	0.0388323
0.0653779	1	558	16	0.0462651
0.113059	1	961	24	0.0123762
0.0967059	1	822	23	0.0375964
0.0708245	1	603	17	0.0488957
0.0751765	1	639	18	0.0326442
0.0723061	1	618	13	0.0492399
0.105059	1	893	24	0.0273212
0.0741219	1	631	18	0.0328208
0.0601847	1	593	17	0.0499903
0.0554846	1	478	14	0.0360163
0.0696471	1	592	17	0.0384704
0.0833906	1	728	15	0.0168871
0.0904823	1	771	22	0.0445349
0.115479	1	987	28	0.0310729
0.0723005	1	616	16	0.0407302
0.0771765	1	656	18	0.0453117
0.0589286	1	528	15	0.0324676
0.125529	1	1067	28	0.015969
0.0691765	1	588	13	0.0416836
0.104353	1	887	25	0.0359545
0.0985882	1	838	19	0.0203651
0.0858824	1	730	20	0.0229516
0.137176	1	1166	32	0.0106107
0.104941	1	892	23	0.0232164
0.030135	1	587	17	0.0479688
0.0334206	1	651	18	0.0345686
0.0521074	1	1015	23	0.0155011
0.0938142	1	822	23	0.0410127
0.110235	1	937	23	0.0331827
0.0403979	1	597	17	0.0491252
0.0961606	1	819	22	0.0245935
0.0850588	1	723	15	0.038488
0.0741846	1	671	16	0.0469271
0.0706583	1	629	17	0.0335623
0.0387537	1	602	13	0.047139
0.0730588	1	621	12	0.0461062
0.0664706	1	565	16	0.0444289

0.108808	1	929	26	0.0340654
0.0804706	1	684	16	0.0171431
0.0703529	1	598	17	0.0497255
0.102118	1	868	24	0.0211861
0.0860215	1	760	18	0.0244787
0.117283	0.848562	1182	24	0.0130736
0.128422	1	1182	24	0.0130736
0.07	1	595	12	0.0486662
0.123176	1	1047	28	0.0342331
0.100235	1	852	24	0.0294222
0.0707426	1	604	11	0.0366342
0.0766048	1	685	15	0.0418778
0.066925	1	570	11	0.0368196
0.0708235	1	602	17	0.0433078
0.0726335	1	620	14	0.0381614
0.0670588	1	570	16	0.04427
0.0783266	1	674	17	0.0485073
0.0943529	1	802	21	0.0474656
0.129176	1	1098	31	0.0106107
0.0748235	0.995305	639	16	0.0314966
0.0796242	1	678	14	0.0469007
0.0967964	1	843	24	0.0424604
0.0801269	1	1010	27	0.0236931
0.0741176	1	630	16	0.0396709
0.0761176	1	647	18	0.0387264
0.0771765	1	656	18	0.0497696
0.0826021	1	706	20	0.0423457
0.0496909	1	828	22	0.0152363
0.0927059	1	788	22	0.0198178
0.0691676	1	590	14	0.0488251
0.0387229	1	547	15	0.0338447
0.143294	1	1218	31	0.0229781
0.0726375	1	618	14	0.0491252
0.0736471	1	626	11	0.0494342
0.118824	1	1010	21	0.0132325
0.0751234	1	639	17	0.0393443
0.0710588	1	604	17	0.0416395
0.0994118	1	845	24	0.00867746
0.106235	1	903	25	0.0229781
0.0531765	0.941667	480	14	0.034957
0.0692838	1	593	17	0.0425487
0.0750588	1	638	18	0.0439434
0.0867059	1	737	17	0.0486926
0.086	1	731	21	0.0340301
0.124619	1	1062	24	0.0168606
0.0876471	1	745	21	0.0295016
0.0734118	1	624	18	0.0371639

0.132	1	1122	31	0.0152893
0.0103214	0.0949299	927	26	0.0350188
0.0881682	1	927	26	0.0350188
0.154235	1	1311	37	0.0122879
0.0720192	1	932	24	0.0148832
0.0872941	1	742	21	0.0228721
0.0731679	1	625	17	0.0484543
0.0773747	1	659	16	0.0270475
0.0756401	1	644	18	0.038082
0.141059	1	1199	33	0.0118642
0.0728235	1	619	18	0.0492135
0.0858824	1	730	21	0.0278067
0.0983535	1	896	25	0.0265002
0.0942733	1	912	23	0.0191822
0.0954515	1	1001	26	0.0330414
0.0776603	1	705	18	0.0407743
0.0678521	1	580	15	0.0334122
0.0739482	1	631	12	0.0425222
0.06	1	594	15	0.0450116
0.0709412	1	603	14	0.0270387
0.028626	1	584	16	0.0468565
0.0374001	1	763	20	0.0171166
0.0166085	1	562	16	0.0232517
0.0155742	1	527	15	0.0488339
0.0166085	1	562	16	0.0280539
0.0166085	1	562	16	0.0330767
0.0117915	1	399	12	0.045806
0.0795294	1	676	16	0.0463887
0.0747356	1	636	17	0.0466005
0.0757932	1	645	19	0.0334387
0.0488235	1	415	12	0.0414717
0.106706	1	907	17	0.0425575
0.07	1	595	12	0.0351512
0.0732941	1	623	18	0.0472891
0.0847059	1	720	17	0.030402
0.0699013	0.993322	599	16	0.0406508
0.0997647	1	848	18	0.0329796
0.0815294	1	693	20	0.047086
0.0775782	1	665	16	0.0340478
0.0647457	1	555	13	0.0214421
0.0830596	1	708	20	0.0140534
0.078	1	663	13	0.034242
0.0646048	1	846	23	0.0361134
0.0810588	1	689	18	0.0287424
0.104471	1	888	25	0.0299959
0.118712	1	1088	29	0.00723857
0.0788235	1	670	13	0.0356897

0.10496	1	893	25	0.0202768
0.105529	1	897	25	0.023596
0.0718824	1	611	17	0.0497255
0.0557647	1	474	13	0.0483395
0.0745187	1	658	19	0.0407302
0.100471	1	854	21	0.0159513
0.0904817	1	943	27	0.0314966
0.0710934	1	606	11	0.0383556
0.0582353	1	495	14	0.0416924
0.0783486	1	668	13	0.0330061
0.139412	1	1185	30	0.0220953
0.0787651	1	671	19	0.0482778
0.0752941	1	640	18	0.0430783
0.0748307	1	641	16	0.0330767
0.0850591	1	727	20	0.0297046
0.0698824	1	594	17	0.0376759
0.0708235	1	602	12	0.03629
0.118947	1	1012	27	0.048984
0.111758	1	960	27	0.0223248
0.0827059	1	703	20	0.0352395
0.0699191	1	847	24	0.032141
0.069666	1	607	14	0.0493017
0.0877335	1	761	21	0.0350806
0.104725	1	962	25	0.0227574
0.0553015	1	508	14	0.0477304
0.128359	1	1094	25	0.0233929
0.101437	1	868	18	0.0414011
0.0749882	1	638	17	0.0406772
0.0661176	1	562	15	0.0492753
0.0930124	1	796	20	0.030861
0.0581176	1	494	12	0.0469007
0.0728235	1	619	18	0.0379407
0.0647606	0.702366	803	22	0.0350012
0.0938194	1	803	22	0.0350012
0.088	1	748	21	0.0233929
0.0687874	1	586	11	0.049646
0.0255487	0.528596	577	16	0.0365283
0.0517647	1	440	12	0.0310906
0.0812941	1	691	19	0.0349217
0.0721176	1	613	12	0.0478275
0.0763842	1	676	19	0.0428488
0.0918824	1	781	21	0.0319821
0.0204035	0.281201	633	18	0.044067
0.0984591	1	869	24	0.0341537
0.0738302	1	628	17	0.0361399
0.0613368	1	524	15	0.0447467
0.0930257	1	883	25	0.0352925

0.0768235	1	653	18	0.0296075
0.0745273	1	670	19	0.030349
0.0434986	1	372	11	0.0352395
0.141529	1	1203	34	0.0317173
0.0978501	1	842	22	0.0339065
0.0713362	1	607	17	0.0489133
0.11726	1	998	28	0.0242316
0.105499	1	942	21	0.0359722
0.10845	1	942	21	0.0359722
0.0710101	1	606	17	0.0467329
0.065969	1	561	16	0.0414541
0.0525771	0.389599	1173	28	0.01295
0.0667508	1	582	16	0.0423986
0.0988235	0.732345	1147	32	0.0209742
0.112824	1	959	22	0.00594975
0.0955294	0.627512	1294	34	0.0139916
0.0758711	1	699	13	0.0414452
0.105399	1	896	23	0.0130647
0.0568235	1	483	14	0.0273212
0.0696471	1	592	17	0.0395738
0.0714118	1	607	10	0.0431136
0.129822	1	1114	29	0.0117318
0.100353	1	853	15	0.0284335
0.0886249	1	776	16	0.0326354
0.0819252	1	703	20	0.0461062
0.0773844	1	658	16	0.0170195
0.0945882	1	804	23	0.0473244
0.07807	1	665	19	0.0105489
0.0257792	0.325926	675	16	0.0475009
0.0794118	1	675	16	0.0475009
0.12462	1	1066	30	0.0131795
0.0565483	1	481	12	0.0498932
0.0822353	1	699	16	0.034445
0.114904	1	993	28	0.0242227
0.0834801	1	711	20	0.0329178
0.132534	1	1128	26	0.0100987
0.120512	1	1027	27	0.0330944
0.108941	1	926	16	0.0333945
0.0921161	1	784	22	0.0354867
0.101882	1	866	20	0.0172843



Fraction of negatively enriched windows in region	MAT-score on T(H3K14acHETC vs. control)
0	5.82468
0	6.01728
0	8.3346
0	7.00851
0	6.14668
0	7.48466
0	6.0122
0	6.06167
0	5.40919
0	6.00703
0	5.36987
0	5.56545
0	6.35676
0	6.98616
0	5.68566
0	7.04639
0	5.42045
0	6.17804
0	6.02103
0	6.4238
0	5.43018
0	7.37244
0	5.5694
0	5.40482
0	6.45994
0	5.2966
0	6.13154
0	5.27566
0	5.58911
0	6.08942
0	5.91019
0	5.32409
0	5.53275
0	6.16269
0	7.07242
0	6.07751
0	6.22212
0	5.29471
0	5.52145
0	6.10616
0	7.51785
0	7.89065
0	5.58244
0	5.58244

0	5.4312
0	5.93048
0	7.1302
0	5.8256
0	5.87838
0	5.25537
0	5.48177
0	5.2855
0	5.2666
0	6.0071
0	5.82709
0	9.57798
0	6.07119
0	7.26
0	5.84701
0	5.51043
0	6.20373
0	6.20373
0	6.41528
0	5.4922
0	5.4922
0	5.49326
0	5.35896
0	6.27412
0	10.8644
0	6.0738
0	5.34135
0	5.3351
0	5.3351
0	7.37249
0	5.30428
0	6.27618
0	5.51761
0	6.14869
0	6.03013
0	7.10379
0	7.01022
0	5.28767
0	6.23326
0	5.37372
0	6.15537
0	6.53566
0	7.85538
0	8.0315
0	5.54397
0	6.0395
0	6.30927

0	6.30118
0	5.47052
0	5.53974
0	5.50546
0	9.0552
0	6.55384
0	8.53056
0	5.38894
0	6.80781
0	7.12081
0	5.34358
0	5.45464
0	5.46126
0	5.55287
0	7.10108
0	9.00676
0	5.69263
0	5.65685
0	7.16786
0	5.27507
0	8.00373
0	6.88986
0	5.47738
0	5.47738
0	5.50861
0	5.32198
0	5.28874
0	7.74201
0	5.77168
0	5.34134
0	5.59845
0	6.43615
0	5.32144
0	5.57408
0	7.30173
0	7.30173
0	5.73237
0	5.73237
0	8.07841
0	5.26524
0	9.05844
0	5.64642
0	5.64642
0	5.48151
0	5.25785
0	5.33385
0	6.17857

0	6.37755
0	6.1694
0	6.01462
0	7.36168
0	6.05487
0	5.37872
0	6.54323
0	6.54323
0	8.20909
0	7.05023
0	5.30465
0	5.36683
0	5.51743
0	5.44297
0	6.43964
0	5.47545
0	5.33334
0	6.08353
0	5.61203
0	5.65849
0	5.55244
0	5.4165
0	6.06484
0	11.0468
0	5.68311
0	6.29318
0	8.36147
0	8.36147
0	13.722
0	5.87534
0	5.49885
0	11.66
0	5.38393
0	5.59433
0	7.0138
0	5.30046
0	5.55771
0	8.82947
0	7.64446
0	5.26222
0	6.11843
0	5.65404
0	5.40728
0	8.56081
0	6.42459
0	8.31632
0	5.54696

0	5.43593
0	7.01962
0	7.04742
0	5.52411
0	6.06382
0	6.38801
0	6.26683
0	5.39166
0	6.33217
0	7.32067
0	6.36006
0	5.29467
0	6.12845
0	5.99644
0	7.21902
0	9.07948
0	7.74708
0	11.3361
0	6.24061
0	5.37708
0	5.37708
0	5.73624
0	5.47644
0	5.3743
0	6.52031
0	6.04587
0	8.51284
0	5.31367
0	6.16989
0	9.39012
0	10.5533
0	5.2741
0	5.36734
0	6.03989
0	6.20693
0	5.97172
0	6.66341
0	6.15867
0	5.25438
0	7.22097
0	5.32731
0	6.52409
0	5.93222
0	5.93222
0	6.32458
0	8.20057
0	5.86657

0	6.07331
0	5.26534
0	6.02348
0	5.58265
0	7.08359
0	6.31626
0	6.07069
0	6.07069
0	6.93741
0	5.4862
0	5.38147
0	6.1132
0	6.37606
0	7.51216
0	5.39497
0	5.26262
0	5.73434
0	5.52309
0	5.42023
0	7.11697
0	7.04071
0	6.20713
0	5.80876
0	5.27082
0	5.51259
0	7.24793
0	6.15383
0	5.50145
0	5.34283
0	7.31856
0	7.79166
0	9.39347
0	6.57985
0	6.75979
0	5.5326
0	7.3928
0	5.29857
0	5.84854
0	7.03833
0	6.24758
0	6.06965
0	5.92384
0	8.75252
0	5.49417
0	5.6176
0	5.28065
0	7.12457

0	5.41293
0	6.03064
0	5.47068
0	8.0738
0	6.2283
0	7.11255
0	5.91771
0	7.11995
0	5.67992
0	5.31755
0	5.29891
0	5.44659
0	5.36669
0	10.1893
0	5.26703
0	10.171
0	6.16931
0	6.72251
0	5.43881
0	5.25819
0	6.0414
0	5.27772
0	5.2797
0	7.12541
0	5.26807
0	5.72597
0	5.72597
0	5.69709
0	5.26356
0	5.61958
0	7.45012
0	5.5812
0	6.14055
0	6.00444
0	5.4228
0	6.76833
0	6.12801
0	7.18003
0	6.39026
0	5.37789
0	9.10056
0	6.01043
0	17.1656
0	5.35327
0	5.38119
0	5.53483
0	6.12044

0	6.04938
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0	14.3214
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0	5.51777
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0	5.58788
0	5.43288
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0	6.08699
0	6.06595
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0	6.62551
0	8.15668
0	5.69724
0	5.69724
0	5.32204
0	5.41307
0	5.26979
0	6.69604
0	5.34186
0	6.18832
0	5.28008
0	6.66121
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0	6.17588
0	6.63483
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0	8.34983
0	8.34983
0	6.59068
0	5.29189
0	5.26686



0	7.13553
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0	6.17813
0	6.17813
0	5.25202
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0	7.34172
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0	5.54656
0	6.65072
0	5.27376
0	6.23898
0	5.47396
0	5.72995
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0	5.3539
0	5.25178
0	5.53105
0	7.05432
0	5.41144
0	5.40268
0	7.43257
0	7.31011
0	7.12307

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0	5.26008
0	6.04293
0	5.62744
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0	5.44122
0	7.37002
0	5.48186
0	7.41155
0	8.52088
0	6.83083
0	6.51369
0	5.36248
0	5.36248
0	5.7725
0	5.37083
0	5.59682
0	7.35637
0	6.01703
0	5.43235
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0	6.25801
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0	5.49062
0	5.75317
0	9.16775
0	5.34115
0	6.56487
0	6.02385
0	5.42559
0	5.5021
0	7.19176
0	6.05893
0	5.46558
0	6.35934
0	7.38618
0	6.7571
0	7.21865
0	5.4907
0	5.42295
0	7.63699
0	9.97137
0	6.52508
0	5.6487
0	6.02321
0	5.49065
0	7.96358

0	7.30319
0	7.83233
0	10.4418
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0	6.77839
0	5.97686
0	5.97686
0	5.28704
0	9.07262
0	5.34044
0	7.14547
0	8.03077
0	5.45366
0	6.13571
0	7.21094
0	5.71484
0	11.16
0	6.17667
0	5.6939
0	5.96477
0	6.35779
0	6.03022
0	6.37262
0	5.53028
0	5.91694
0	5.73981
0	5.38908
0	8.34038
0	5.93622
0	6.00561
0	6.65076
0	6.70842
0	6.34949
0	6.04997
0	5.60819
0	5.60819
0	5.51286
0	5.84768
0	5.54404
0	5.68785
0	7.48742
0	7.60152
0	7.00015
0	5.90591
0	5.55402
0	6.14776



0	6.43305
0	5.33944
0	6.75787
0	9.11006
0	6.99511
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**Gene List G4+/- H3K14ac High Fat Diet**

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1	186502357	186517985	BC028441	chr1	186514936	186515636
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11	3042349	3050848 BC048950	chr11	3050128	3050831
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gene overlap percent	region overlap percent	length(bps)	probes in region	p-value(region)
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0.0395249	1	609	14	0.032503
0.0448525	1	701	16	0.032706
0.0864771	1	745	18	0.048931
0.0697647	1	593	12	0.0474215
0.126588	1	1076	30	0.0172402
0.145662	1	1254	32	0.00464328
0.0788049	1	728	14	0.0351159
0.0815294	1	693	17	0.0497255
0.0858248	1	732	20	0.0430077
0.07	1	595	11	0.0484896
0.0628404	1	600	17	0.0470684
0.0992941	1	844	24	0.0213538
0.181529	1	1543	43	0.0145389
0.0734872	1	640	18	0.0466888
0.0910588	1	774	18	0.0284423
0.0440041	1	695	17	0.0493459
0.09	1	765	22	0.0417895
0.0365954	1	620	14	0.0400417
0.0952104	1	817	23	0.0311259
0.112391	1	966	26	0.021751
0.0734118	1	624	18	0.0417101
0.100471	1	854	24	0.0168429
0.0841176	1	715	20	0.03516
0.0713454	1	613	13	0.0455942
0.0727462	1	907	24	0.0403153
0.0431485	1	751	21	0.0365989
0.0690588	1	587	16	0.0434579
0.0705331	1	602	17	0.041869
0.139647	1	1187	33	0.0038488
0.060903	1	522	15	0.046371
0.0983529	1	836	23	0.0355043
0.126706	1	1077	24	0.0295193
0.0722821	1	617	17	0.0395385
0.0810399	1	692	20	0.046574
0.0910363	1	781	22	0.0286542
0.0697647	1	593	16	0.0471831
0.10047	1	855	24	0.0305962
0.0957647	1	814	16	0.0414452
0.0676735	1	587	16	0.0489575
0.0702353	1	597	17	0.0439699
0.140941	1	1198	33	0.01295



0.0682621	1	676	19	0.0494342
0.0871765	1	741	21	0.0212125
0.0871765	1	741	21	0.0212125
0.0975294	1	829	23	0.0316996
0.0752941	1	640	18	0.0476157
0.0719803	1	615	13	0.032141
0.0436565	1	607	11	0.0497696
0.0457422	0.9922	641	18	0.0199679
0.0512285	1	638	18	0.0357427
0.0700444	1	600	14	0.0477569
0.0677507	1	600	14	0.0477569
0.0368758	1	627	17	0.039768
0.0721176	1	613	15	0.0437316
0.107765	1	916	20	0.0353542
0.112365	1	956	22	0.0264296
0.0855409	1	733	18	0.0422574
0.0785481	0.997037	675	19	0.0436345
0.0982353	0.932961	895	24	0.0167193
0.0950942	1	818	23	0.0319468
0.070483	1	607	17	0.0488515
0.0818824	1	696	19	0.0465299
0.0730765	1	624	15	0.0485602
0.0778933	1	667	19	0.0329002
0.0753457	1	643	17	0.0405801
0.084077	1	716	20	0.0327237
0.126353	1	1074	25	0.00805953
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0.0742307	1	632	14	0.0453823
0.0725882	1	617	14	0.0412863
0.137059	1	1165	31	0.0223778
0.136337	1	1165	31	0.0223778
0.0721176	1	613	17	0.0458502
0.0717379	1	613	17	0.0458502
0.0715375	1	610	14	0.0499638
0.0734118	1	624	13	0.0418337
0.0338182	1	358	10	0.0444466
0.0702868	1	598	16	0.0433343
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0.0948235	1	806	20	0.0454882
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0.11299	1	962	26	0.0244434
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0.0792941	1	674	19	0.0293957
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0.08157	1	744	15	0.0461591
0.0450511	1	741	20	0.0498314
0.0716471	1	609	17	0.0427341
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0.0834406	1	713	13	0.0355485
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0.0724162	1	618	17	0.038541
0.0870588	1	740	21	0.0406066
0.0704706	1	599	17	0.0431048
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0.0962353	1	818	23	0.0213538
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0.0481519	1	667	14	0.0269769
0.0771637	1	666	15	0.0232517
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0.10708	1	912	26	0.0445967
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0.112309	1	958	23	0.0239314
0.0755556	1	646	15	0.0450998
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0.100588	1	855	20	0.0300577
0.0451499	1	384	11	0.0485161
0.116118	1	987	24	0.0350806
0.0744706	1	633	18	0.0398033
0.153611	1	1306	37	0.011211
0.0428444	1	958	25	0.0129853
0.127934	1	1090	27	0.0353454
0.0807059	1	686	15	0.0391413
0.0760028	1	648	17	0.0487456
0.072	1	612	16	0.0162162
0.0700935	1	600	14	0.0255734
0.0631887	1	539	14	0.0474744
0.104525	1	1095	23	0.00805953
0.0689412	1	586	17	0.016684
0.0830588	1	706	17	0.0303137
0.0742353	1	631	16	0.0495224
0.0694477	1	591	13	0.0375876
0.0426881	1	606	12	0.0386911
0.0710059	1	1008	27	0.0171254
0.0698585	1	642	18	0.0498844
0.113294	1	963	22	0.0108755
0.0535139	1	648	17	0.0496725
0.106732	1	910	25	0.0430783
0.107059	1	910	25	0.0430783
0.119596	1	1018	29	0.019244
0.119765	1	1018	29	0.019244
0.0776471	1	660	16	0.0450027
0.124	1	1054	22	0.0063823
0.0867113	1	738	20	0.0350541
0.0644972	1	551	16	0.0499108
0.0714789	1	609	16	0.0497608
0.0657647	1	559	13	0.0456207
0.0272188	1	372	11	0.0287513

0.0812657	1	714	20	0.0119701
0.0622353	0.998113	530	15	0.0458237
0.0639986	1	1089	30	0.0225896
0.0474118	1	403	11	0.0471567
0.0474118	1	403	11	0.0471567
0.105485	1	1402	34	0.0270387
0.0756224	1	644	18	0.0436168
0.0864256	1	736	16	0.0201886
0.114953	1	1087	29	0.0219011
0.066587	1	613	17	0.0461944
0.105602	1	903	25	0.0384704
0.0730905	1	622	11	0.0191999
0.0705058	1	775	20	0.045912
0.0677647	1	576	14	0.0454529
0.0701176	1	596	17	0.0456825
0.100235	1	852	19	0.0462386
0.173765	1	1477	36	0.0172137
0.0744619	1	640	18	0.0446408
0.0912941	1	776	19	0.0104518
0.0698824	1	594	14	0.0454088
0.0593532	1	791	18	0.0227574
0.0527787	1	604	17	0.0407037
0.0489339	1	560	12	0.0482336
0.0744706	1	633	18	0.0410392
0.107533	1	915	25	0.0323176
0.0913896	1	778	20	0.0480482
0.0701858	1	597	12	0.0485337
0.082108	1	698	13	0.0447997
0.0996471	1	847	23	0.0216804
0.0709511	1	605	17	0.0492576
0.0380243	1	475	10	0.0440759
0.11477	1	976	24	0.0167017
0.114621	1	976	24	0.0167017
0.0967061	1	825	20	0.0173373
0.0794118	1	675	18	0.0330238
0.122941	1	1045	26	0.0266503
0.116235	1	988	21	0.0347187
0.138129	1	1177	33	0.0239314
0.0805882	1	685	12	0.0146096
0.101534	1	1079	24	0.0237902
0.0969005	1	866	23	0.0307463
0.085377	1	745	17	0.0345686
0.102353	1	870	17	0.0248407
0.0472777	1	653	19	0.0347187
0.128706	1	1094	31	0.0151569
0.0425421	1	573	11	0.0480482
0.0625882	1	843	20	0.0326442

0.0661438	1	565	16	0.0498844
0.0790213	1	675	19	0.01694
0.0681176	1	579	12	0.0434844
0.0695294	1	591	17	0.0454265
0.0902591	1	770	22	0.0271182
0.0484617	1	597	17	0.0463622
0.0680497	1	597	17	0.0463622
0.0689412	1	586	17	0.0491164
0.0769412	1	654	15	0.0202857
0.0697647	1	593	13	0.0458855
0.0887059	1	754	17	0.0328384
0.0741176	1	630	18	0.0211243
0.0418092	1	611	17	0.0469183
0.0431093	1	630	18	0.0460973
0.0732814	1	630	18	0.0460973
0.0693494	1	598	14	0.044173
0.0703529	1	598	16	0.0439081
0.0349437	0.498328	598	16	0.0439081
0.0760296	1	648	18	0.0386999
0.136689	1	1165	32	0.00460797
0.0626239	1	537	13	0.0441288
0.110941	1	943	27	0.0413481
0.0616588	1	1182	33	0.0089776
0.0893672	1	764	16	0.0327237
0.0773726	1	662	19	0.039821
0.0782353	1	665	16	0.0404301
0.0729412	1	620	14	0.0351247
0.130824	1	1112	31	0.017302
0.0704706	1	599	10	0.0406066
0.0496947	1	586	14	0.0350629
0.111792	1	967	27	0.0242669
0.0844706	1	718	14	0.0340743
0.0706228	1	601	10	0.0478893
0.10094	1	859	20	0.0211419
0.0613511	1	524	13	0.0492399
0.0414236	1	774	22	0.0452587
0.0711765	1	605	12	0.0494342
0.107275	1	929	21	0.0323264
0.0594118	1	505	14	0.0227397
0.0581176	1	494	10	0.0414364
0.057988	1	494	10	0.0414364
0.0711765	1	605	16	0.0456913
0.0439326	1	391	11	0.0318585
0.0721176	1	613	15	0.0488162
0.0904997	1	824	22	0.042381
0.0775311	1	716	20	0.0291397
0.0755684	1	708	17	0.045912

0.0808235	1	687	17	0.0402447
0.0533623	1	615	18	0.0456207
0.0688235	1	585	16	0.0454
0.117529	1	999	22	0.00685899
0.038615	1	629	17	0.0456825
0.112644	1	988	26	0.0335799
0.073045	1	652	18	0.0475627
0.0875294	1	744	20	0.0465917
0.122066	1	1040	22	0.0169753
0.0777647	1	661	19	0.0399446
0.0776095	1	661	19	0.0399446
0.136353	1	1159	27	0.0127469
0.0742353	1	631	16	0.0454
0.121059	1	1029	29	0.0224131
0.0700599	1	596	17	0.0474126
0.0676461	1	594	17	0.0493017
0.113294	1	963	21	0.0447114
0.103059	1	876	22	0.0323794
0.0804706	1	684	19	0.0416836
0.08031	1	684	19	0.0416836
0.0741	1	636	17	0.0226514
0.0722353	1	614	10	0.0487633
0.0703529	1	598	17	0.0464593
0.0815744	1	715	20	0.0441553
0.0636471	1	541	12	0.0435462
0.0835294	1	710	19	0.0364224
0.105128	1	898	18	0.0315143
0.0706398	1	742	21	0.0318232
0.0730588	1	621	14	0.0392913
0.0687059	1	584	15	0.0464593
0.0678352	1	596	17	0.0360869
0.0910607	1	1147	32	0.048419
0.132494	1	1147	32	0.048419
0.101765	1	865	24	0.0495313
0.0815752	1	696	12	0.01694
0.0755937	1	643	18	0.0348069
0.0794733	1	676	12	0.042381
0.0818824	1	696	20	0.0331121
0.0705882	1	600	14	0.0233576
0.073557	1	627	16	0.0488692
0.0674374	1	595	10	0.0489575
0.0754118	1	641	18	0.0314348
0.068401	1	610	13	0.0326089
0.0742353	1	631	18	0.0393973
0.0835184	1	865	24	0.0351954
0.101765	1	865	24	0.0351954
0.0775294	1	659	14	0.0324588



0.0937647	1	797	14	0.0177257
0.0936709	1	814	23	0.0485867
0.0591639	1	859	24	0.0335799
0.100076	1	1051	28	0.0234547
0.0931765	1	792	22	0.0323882
0.0670588	1	570	14	0.0404477
0.0708328	1	603	17	0.0439081
0.0717647	1	610	17	0.0498049
0.0647402	1	811	23	0.0270917
0.0956471	1	813	21	0.0353984
0.0777647	1	661	19	0.0315408
0.133467	1	1135	28	0.0281951
0.0770588	1	655	19	0.0499638
0.0787059	1	669	18	0.016428
0.0968235	1	823	19	0.0387087
0.119882	1	1019	29	0.0237019
0.0274123	0.903226	496	14	0.0257675
0.0716295	1	611	15	0.0492664
0.0493602	1	1084	22	0.0147684
0.127882	1	1087	25	0.0215303
0.0557813	1	549	15	0.0245582
0.092966	0.988778	802	15	0.0158278
0.0571194	1	487	14	0.0485161
0.0723939	1	616	13	0.0498844
0.0752941	1	640	15	0.0332003
0.0719376	1	646	18	0.0484896
0.103412	1	879	23	0.0466447
0.036146	1	595	11	0.0313554
0.0848968	1	724	20	0.0131707
0.0716456	1	613	15	0.046062
0.0678519	1	603	17	0.0498226
0.077895	1	672	19	0.0210625
0.0752949	1	651	18	0.0399799
0.0741219	1	631	15	0.0493017
0.0495554	1	1070	30	0.0346834
0.0997647	1	848	18	0.0414717
0.102588	1	872	24	0.0346392
0.0430902	1	618	12	0.0497343
0.0474829	1	681	20	0.0362988
0.0705882	1	600	17	0.0487456
0.0741917	1	631	18	0.0325471
0.0905882	1	770	18	0.0442524
0.0649929	1	598	17	0.0447909
0.0765882	1	651	18	0.0475098
0.123882	1	1053	29	0.0162162
0.103176	1	877	23	0.0266768
0.0717104	1	618	12	0.0432461

0.0732089	1	796	22	0.0293339
0.0804706	1	684	17	0.0424074
0.0449218	1	778	22	0.0115994
0.113853	1	969	23	0.0351336
0.0388674	1	582	11	0.0225985
0.102821	1	893	18	0.0153422
0.10879	1	927	24	0.0350453
0.072	1	612	16	0.0482424
0.0510363	1	623	14	0.0408979
0.0979702	1	835	23	0.039821
0.112353	1	955	26	0.0160838
0.0909412	1	773	18	0.0307816
0.0323656	1	670	19	0.0311259
0.0865515	1	827	23	0.03516
0.0775294	1	659	15	0.047192
0.0512309	1	616	16	0.0445261
0.105133	1	895	19	0.0268975
0.0876471	1	745	21	0.049496
0.0705882	1	600	17	0.0484984
0.0575294	1	489	13	0.0381084
0.0748526	1	673	15	0.0494077
0.0933459	1	794	22	0.040995
0.0706311	1	601	12	0.0468124
0.0825882	1	702	16	0.0356809
0.0721176	1	613	11	0.0475274
0.0801163	1	689	19	0.0435462
0.0703529	1	598	17	0.0474215
0.0702879	1	603	17	0.0469448
0.0785882	1	668	19	0.0360163
0.0274443	1	672	19	0.0434844
0.0522353	0.950749	467	12	0.0459561
0.092	1	782	22	0.0399975
0.0394852	1	632	18	0.0453205
0.0575409	1	921	26	0.028407
0.0756471	1	643	17	0.0395915
0.103152	1	877	24	0.0275242
0.113759	1	969	24	0.0491252
0.0386944	1	639	16	0.0489928
0.0710344	1	605	17	0.0350012
0.106824	1	908	25	0.0291662
0.0697456	1	595	17	0.0494342
0.0749412	1	637	14	0.0481012
0.0581176	1	494	14	0.0465829
0.0685882	1	583	17	0.0448968
0.0611182	1	669	19	0.0448703
0.0405773	1	641	12	0.0499197
0.0382351	1	604	17	0.041816

0.0815294	1	693	15	0.024567
0.087746	1	749	21	0.0273565
0.0868204	1	749	21	0.0273565
0.10978	1	944	23	0.0165516
0.0714118	1	607	17	0.0495842
0.074265	1	634	15	0.0470154
0.0869412	1	739	17	0.0423015
0.0968235	1	823	16	0.0326707
0.07	1	595	17	0.00923359
0.146471	1	1245	28	0.00918946
0.0574118	1	488	14	0.0234547
0.0836132	1	722	18	0.0477569
0.0727187	1	620	17	0.0469183
0.0751765	1	639	18	0.0479864
0.0533239	1	454	13	0.0408185
0.0808235	1	687	17	0.0395208
0.0672795	1	871	24	0.0311259
0.0789412	1	671	19	0.0435197
0.105389	1	972	20	0.0454794
0.0692483	1	608	14	0.0357956
0.0722098	1	614	18	0.0415247
0.0751765	1	639	16	0.0373581
0.106235	1	903	25	0.0182112
0.0407292	1	639	16	0.0377818
0.128118	1	1089	20	0.0241521
0.110275	1	938	26	0.0168076
0.0242099	1	632	18	0.0422574
0.0440348	1	375	11	0.0497255
0.0475188	1	858	19	0.0384262
0.0716471	1	609	17	0.0426811
0.0854213	1	733	21	0.0207712
0.0292933	1	647	18	0.0486926
0.0932941	1	793	17	0.0103812
0.0465882	1	396	11	0.0498049
0.0906422	1	772	20	0.0168871
0.105084	1	895	25	0.0242845
0.066	1	561	11	0.0378436
0.0813722	1	695	20	0.0404477
0.124458	1	1063	30	0.0446761
0.0899154	1	765	22	0.0319998
0.133976	1	1140	32	0.00814781
0.193295	1	1649	44	0.0343214
0.0293512	1	456	13	0.0454088
0.0644706	1	548	14	0.0489751
0.0591765	1	503	10	0.0479511
0.0439937	1	501	12	0.0456913
0.052687	1	600	16	0.0405537

0.0875646	1	745	17	0.0280186
0.0717329	1	623	18	0.0422574
0.0645998	1	623	18	0.0422574
0.0713367	1	610	17	0.04796
0.0698495	1	594	14	0.0480659
0.0380969	1	639	17	0.0340654
0.0528108	1	636	12	0.0275331
0.0512148	1	605	11	0.0485955
0.104941	1	892	25	0.0351689
0.0835873	1	713	20	0.0295281
0.0429185	1	620	14	0.0444289
0.113174	1	963	25	0.0315849
0.134471	1	1143	30	0.0168694
0.0483987	1	804	22	0.0180611
0.0971765	1	826	22	0.0328384
0.0918824	1	781	22	0.0344627
0.0803288	1	684	20	0.0485426
0.0716471	1	609	16	0.0440405
0.0761176	1	647	18	0.0377377
0.0538785	1	896	26	0.0350012
0.03838	1	561	12	0.00813015
0.0123705	1	774	21	0.0264031
0.0407403	1	361	10	0.0418337
0.0728212	1	620	16	0.0492664
0.0851528	1	741	18	0.0350276
0.0433455	1	369	10	0.0419308
0.0551928	1	913	21	0.0321057
0.0677584	1	662	13	0.0499903
0.0758444	1	741	21	0.0487368
0.126954	1	1080	28	0.0277802
0.072625	1	620	17	0.0216186
0.132471	1	1126	31	0.01694
0.0727059	1	618	12	0.0430783
0.0972941	1	827	19	0.0331209
0.0720244	1	613	17	0.0467947
0.0661176	1	562	15	0.0317261
0.115591	1	989	21	0.0193411
0.108	1	918	22	0.0453558
0.167529	1	1424	36	0.0349923
0.249412	1	2120	52	0.0180876
0.0844706	1	718	20	0.0171519
0.0871656	1	743	18	0.0406949
0.0689736	1	590	10	0.0437934
0.0711948	1	609	15	0.0388764
0.07	1	595	17	0.0489928
0.0805501	1	697	19	0.0349747
0.0722229	1	617	11	0.0496725

0.0665962	1	567	16	0.0497431
0.0969412	1	824	21	0.0489045
0.110471	1	939	23	0.0095867
0.118	1	1003	28	0.0163662
0.0675504	1	586	10	0.049496
0.0786858	1	673	19	0.0494342
0.039966	1	612	13	0.0324588
0.0563573	1	863	20	0.0471831
0.0764706	1	650	18	0.0300048
0.0716128	1	611	18	0.0475627
0.0602466	1	513	11	0.0492223
0.0708235	1	602	17	0.0497166
0.0550588	1	468	13	0.0498844
0.0702935	1	606	16	0.0458414
0.0399439	1	598	17	0.047598
0.0388752	1	582	15	0.0485955
0.0716631	1	611	17	0.0469448
0.118565	1	1011	29	0.0326354
0.100118	1	851	23	0.0331915
0.0906745	1	773	22	0.0455765
0.0857647	1	729	20	0.0338889
0.0901176	1	766	21	0.0406596
0.0738824	1	628	11	0.0365724
0.0777647	1	661	16	0.0474215
0.0749678	1	640	12	0.0403153
0.0888235	1	755	17	0.0335623
0.0752941	1	640	18	0.0320704
0.065515	1	603	17	0.0311788
0.102706	1	873	25	0.018476
0.0490091	1	638	17	0.0426193
0.0337352	1	638	15	0.0347628
0.105412	1	896	25	0.0326972
0.0548126	1	791	23	0.0436256
0.0723529	1	615	11	0.0384968
0.0719791	1	635	18	0.0390706
0.0725352	1	618	17	0.04668
0.0718824	1	611	17	0.0417366
0.0402449	1	618	18	0.0499197
0.114168	1	971	28	0.0217599
0.074	1	629	17	0.0383203
0.088988	1	758	20	0.0495048
0.0750588	1	638	15	0.0499638
0.0974118	1	828	19	0.0350629
0.0692941	1	589	12	0.0476687
0.0677452	1	603	17	0.0482424
0.119294	1	1014	28	0.0273565
0.0890588	1	757	21	0.0493017

0.0844052	1	1004	24	0.0250878
0.0702746	1	609	17	0.0439876
0.0622353	1	529	14	0.0497078
0.0816647	1	832	21	0.0480482
0.0785882	1	668	19	0.0474744
0.124471	1	1058	29	0.0212743
0.0445151	1	420	12	0.0352571
0.0915708	1	780	22	0.0421161
0.0909412	1	773	22	0.0350629
0.0724706	1	616	18	0.048163
0.0695897	1	592	17	0.0493724
0.129059	1	1097	31	0.0346657
0.0767059	1	652	18	0.0486308
0.0564706	1	480	13	0.0469801
0.0467965	1	745	21	0.0493812
0.099871	1	929	18	0.0444554
0.0717647	1	610	17	0.0497873
0.118102	1	1008	24	0.0323264
0.0426727	1	714	20	0.0448968
0.0774095	1	661	19	0.0141593
0.127475	1	1088	30	0.0094278
0.0766972	1	653	19	0.0460356
0.0821211	1	700	20	0.0357868
0.0995294	1	846	24	0.0233135
0.07	1	595	17	0.0477216
0.0833723	1	714	20	0.0499197
0.131294	1	1116	30	0.0243728
0.08	1	680	18	0.0319027
0.0758824	1	645	17	0.034498
0.112588	1	957	22	0.0326001
0.0685882	1	583	16	0.0482778
0.110118	1	936	26	0.0302961
0.0857647	1	729	16	0.0275595
0.0374903	1	625	18	0.0474833
0.133882	1	1138	32	0.00993097
0.117294	1	997	24	0.0126852
0.126588	1	1076	30	0.0135326
0.0712611	1	608	17	0.0165428
0.0715294	1	608	17	0.0165428
0.0844706	1	718	20	0.0435374
0.0754118	1	641	18	0.0309317
0.0828235	1	704	20	0.0333769
0.0688235	1	585	16	0.048984
0.0648784	1	595	17	0.0380378
0.07	1	595	17	0.0380378
0.0503407	1	591	17	0.0431931
0.072	1	612	16	0.0355043

0.0767242	1	653	13	0.0339683
0.0702353	1	597	13	0.0406066
0.102945	1	881	25	0.0234989
0.0330386	0.290984	976	28	0.012897
0.0775294	1	659	15	0.0491958
0.0796471	1	677	18	0.0489663
0.0760145	1	650	18	0.0402006
0.103059	1	876	24	0.0167193
0.0408632	1	676	19	0.0298017
0.0749412	1	637	18	0.0474303
0.0758802	1	722	20	0.0422574
0.0709412	1	603	12	0.045859
0.0841176	1	715	20	0.0233047
0.124297	1	1061	29	0.0245317
0.0754118	1	641	18	0.0161279
0.0705882	1	600	17	0.042787
0.0775294	1	659	19	0.0361487
0.0722736	1	617	17	0.0399004
0.0695294	1	591	17	0.0480306
0.0796471	1	677	17	0.0406596
0.0569485	1	879	20	0.0330944
0.0761616	1	654	17	0.0475627
0.105352	1	994	17	0.0169489
0.0730991	1	647	17	0.0379407
0.07331	1	629	17	0.0347628
0.0251458	1	608	10	0.0428047
0.0994118	1	845	23	0.0427694
0.0945882	1	804	23	0.0497255
0.0712364	1	609	11	0.0239756
0.0528233	1	609	11	0.0239756
0.0484408	1	640	17	0.0354337
0.0716471	1	609	17	0.0453911
0.0737407	1	852	20	0.0297929
0.116139	1	1006	27	0.0330767
0.0758338	1	648	17	0.0322117
0.0623757	1	533	14	0.0244434
0.0929412	1	790	20	0.0424604
0.0951765	1	809	22	0.0169489
0.0306808	1	598	17	0.0469183
0.105232	1	895	16	0.0238343
0.0708235	1	602	15	0.0486926
0.0274387	1	870	20	0.0277802
0.0612059	1	538	11	0.0316026
0.0870588	1	740	21	0.0331915
0.114588	1	974	21	0.0315231
0.0716049	1	609	13	0.0385322
0.0588858	1	501	10	0.0441465

0.05945	1	575	16	0.0486308
0.0715294	1	608	17	0.0156424
0.0815294	1	693	20	0.0458855
0.0709412	1	603	16	0.0473685
0.124941	1	1062	22	0.0277096
0.07	1	595	14	0.0420632
0.0750588	1	638	18	0.0350276
0.0549496	1	796	21	0.0314613
0.068	1	578	15	0.0323882
0.0694775	1	613	17	0.0472273
0.0319548	1	622	18	0.0441376
0.0839241	1	876	22	0.0350806
0.0867982	1	906	25	0.0213538
0.08	1	680	19	0.0353984
0.0735246	1	674	17	0.048984
0.0769412	1	654	19	0.0431136
0.113294	1	963	26	0.0327148
0.07	1	595	16	0.0433432
0.0905882	1	770	19	0.0152451
0.0704706	1	599	17	0.0435903
0.135373	1	1155	27	0.017046
0.140118	1	1191	33	0.0102223
0.0806205	1	686	19	0.0491782
0.0686571	1	591	17	0.0455677
0.0263842	1	650	16	0.0495401
0.128202	1	1091	29	0.0228809
0.0737647	1	627	17	0.0330238
0.0972941	1	827	23	0.0475627
0.0739317	1	827	23	0.0475627
0.036369	1	615	11	0.0151569
0.0661176	1	562	16	0.0306227
0.0881176	1	749	21	0.0234283
0.0704706	1	599	13	0.0495401
0.0887133	1	786	17	0.0234901
0.0956471	1	813	16	0.0237196
0.0690588	1	587	12	0.047907
0.044544	1	736	21	0.0419661
0.0408426	1	349	10	0.0474303
0.0948235	1	806	22	0.0231987
0.0794524	1	679	19	0.0469448
0.0867059	1	737	21	0.034754
0.0680598	1	596	16	0.0430077
0.0377514	1	595	17	0.0336947
0.0911765	1	775	19	0.0272506
0.0882353	1	750	18	0.0293162
0.0763529	1	649	18	0.032247
0.089846	1	776	21	0.0349394



0.0823887	1	705	14	0.0205946
0.0826107	1	705	14	0.0205946
0.113051	1	965	27	0.0258117
0.0703829	1	601	17	0.0339595
0.0303625	1	634	18	0.027127
0.062794	1	534	15	0.0485426
0.0521176	1	443	10	0.03772
0.0729412	1	620	11	0.0437227
0.068624	1	589	15	0.0479953
0.104571	1	890	20	0.0341625
0.0715362	1	617	14	0.0473685
0.0969775	1	831	22	0.0346039
0.130353	1	1108	28	0.00322205
0.0705882	1	600	14	0.0402977
0.0708235	1	602	13	0.0444466
0.170222	1	1500	42	0.0162162
0.0755294	1	642	12	0.0459738
0.0705882	1	600	12	0.0355308
0.109636	1	933	26	0.0260324
0.0863923	1	739	21	0.0291573
0.0974835	1	829	23	0.0209301
0.0735294	1	625	18	0.0471743
0.0797647	1	678	19	0.0291573
0.0708235	1	602	10	0.0439523
0.0760908	1	654	18	0.0411804
0.0752941	1	640	18	0.0455589
0.0702353	1	597	12	0.0482778
0.0791199	1	676	19	0.0467682
0.0758824	1	645	12	0.0357515
0.0934148	1	871	24	0.0219099
0.0774118	1	658	19	0.0302343
0.0774268	1	674	19	0.0321763
0.0359807	1	598	10	0.0352395
0.106487	1	916	18	0.0156512
0.0478279	1	589	11	0.0485955
0.0489107	1	669	19	0.0311259
0.0694623	1	593	17	0.0452587
0.072	1	612	13	0.0447026
0.0717047	1	612	13	0.0447026
0.0484734	1	716	20	0.0406155
0.078	1	663	18	0.0340566
0.0496759	1	636	11	0.0340919
0.0280606	0.389937	636	11	0.0340919
0.0485824	1	622	14	0.0411451
0.0703779	1	622	14	0.0411451
0.0466806	0.704319	602	14	0.0346216
0.0356087	1	602	14	0.0346216

0.104588	1	889	25	0.0212743
0.0794463	1	683	18	0.0347187
0.0735294	1	625	11	0.0371815
0.0508464	1	784	21	0.0277096
0.136665	1	1299	31	0.0230575
0.048454	1	771	22	0.0293339
0.0889954	1	761	22	0.0426899
0.079203	1	799	22	0.0341625
0.10002	1	1009	28	0.0234636
0.0818438	1	696	15	0.0212214
0.047379	1	780	21	0.0215303
0.0451339	1	595	17	0.049187
0.0874862	1	869	22	0.0351954
0.0632276	1	592	12	0.045912
0.0859111	1	736	20	0.0310906
0.0767693	1	653	14	0.0391677
0.0669851	1	575	16	0.0497166
0.247181	1	2126	49	0.0100192
0.0711067	1	852	23	0.0340743
0.0515784	1	665	19	0.0451705
0.0163724	0.210526	665	19	0.0451705
0.0266811	1	344	10	0.0489928
0.0402292	1	344	10	0.0489928
0.0767062	1	653	19	0.0486926
0.046762	1	595	17	0.0480041
0.0572034	1	621	17	0.0354072
0.0465663	1	396	12	0.042381
0.0724909	1	619	17	0.0460356
0.0688235	1	585	17	0.0476245
0.0724706	1	616	10	0.0396356
0.122396	1	1046	25	0.023084
0.0604066	1	514	10	0.0494783
0.109201	1	953	26	0.02206
0.0291608	1	827	18	0.0344274
0.037835	1	1073	30	0.0327413
0.100471	1	854	23	0.022625
0.134771	1	1150	27	0.0215303
0.105306	1	897	25	0.0159337
0.0701176	1	596	11	0.0434668
0.0407059	1	346	10	0.0488251
0.0863795	1	768	16	0.00457266
0.0433973	1	699	20	0.0375523
0.0415347	1	669	16	0.00672658
0.0826021	1	706	20	0.0406155
0.0882284	1	751	21	0.0200032
0.0875294	1	744	20	0.0299518
0.068742	1	594	11	0.0309758

0.0721007	1	613	17	0.044067
0.0699095	1	595	17	0.0481012
0.0752941	1	640	17	0.034189
0.0974331	1	892	25	0.016684
0.0758427	1	648	13	0.0493282
0.0861176	1	732	21	0.0120408
0.0787872	1	673	13	0.0356279
0.0714363	1	661	19	0.0295899
0.127529	1	1084	30	0.0327678
0.0905008	1	806	23	0.0348511
0.0794118	1	675	14	0.0464858
0.0749094	1	641	18	0.0391413
0.0622353	1	529	15	0.0495313
0.0167059	0.229402	619	10	0.0423015
0.0728235	1	619	10	0.0423015
0.0672941	1	572	16	0.0435374
0.158838	1	1356	32	0.0311965
0.0528702	1	968	27	0.01551
0.108471	1	922	26	0.0315937
0.0573691	1	652	14	0.0261825
0.04	1	340	10	0.0400152
0.100046	1	878	19	0.0418248
0.0555229	1	472	14	0.0233135
0.111814	1	954	23	0.0167193
0.104111	1	889	23	0.0242669
0.113212	1	964	24	0.0293162
0.114353	1	972	24	0.0306315
0.066	1	561	15	0.043149
0.00668011	0.160768	989	24	0.0224396
0.056844	1	1353	36	0.0194382
0.0719282	1	617	14	0.0479776
0.088526	1	797	22	0.0409686
0.052826	1	472	14	0.0448262
0.0712927	1	637	11	0.0461944
0.0777973	1	664	18	0.0433432
0.0819672	1	705	19	0.0469801
0.0687702	1	935	27	0.0279656
0.068202	1	767	21	0.0344274
0.0959443	1	951	27	0.0466623
0.0951765	1	809	23	0.0324412
0.103059	1	876	21	0.0203121
0.0167059	0.316964	448	13	0.0482689
0.0822353	1	699	20	0.0470949
0.141093	1	1200	26	0.00790064
0.0770588	1	655	18	0.0464416
0.0702353	1	597	15	0.0431048
0.074922	1	792	22	0.0325648

0.0720856	1	1199	33	0.00813015
0.0914118	1	777	17	0.0128794
0.0650406	1	616	15	0.0448085
0.0765882	1	651	17	0.0386469
0.0814971	1	773	22	0.0272506
0.0825699	1	703	20	0.0495224
0.0698269	1	601	16	0.041507
0.0994598	1	847	24	0.0219099
0.0802353	1	682	19	0.0488692
0.100741	1	857	24	0.0436521
0.0689615	1	587	12	0.0455059
0.106	0.974054	925	51	0.0193499
0.0742727	1	651	14	0.0347628
0.0914022	1	792	22	0.0342155
0.06716	1	599	14	0.0422574
0.0823529	1	700	18	0.04796
0.0670588	1	570	16	0.0453823
0.0644024	0.961403	570	16	0.0453823
0.0444224	1	716	16	0.0350276
0.0803529	1	683	19	0.0465564
0.0733385	0.967789	683	19	0.0465564
0.0837641	1	713	15	0.0329532
0.113529	1	965	24	0.0232164
0.120014	1	1050	28	0.0215303
0.0744706	1	633	15	0.0323794
0.0996471	0.937984	903	26	0.0171519
0.0699342	1	595	15	0.0357868
0.0869463	1	740	21	0.0171519
0.0547248	1	677	19	0.039821
0.0708235	1	602	17	0.0498049
0.0353831	1	664	18	0.034445
0.0786635	1	671	19	0.0432284
0.116343	1	1023	29	0.0230663
0.0697647	1	593	11	0.0380731
0.0704887	1	600	17	0.0424251
0.0653266	1	598	17	0.0469448
0.0318404	1	878	22	0.0453735
0.0685601	1	589	17	0.0464593
0.0917852	1	781	22	0.0348069
0.0621584	1	762	22	0.0388146
0.0723131	1	619	17	0.0450557
0.0245293	1	611	17	0.041613
0.0859525	1	897	25	0.0286542
0.0584515	1	610	17	0.0385233
0.0628235	1	534	13	0.0455853
0.0339515	1	617	14	0.046371
0.0593928	1	669	13	0.0492223

0.0770498	1	655	11	0.0207359
0.125676	1	1069	30	0.015969
0.0812649	1	717	20	0.0424074
0.113988	1	1193	33	0.0216186
0.0813237	1	752	21	0.0483042
0.0780774	1	666	19	0.0329443
0.0672388	1	666	19	0.0329443
0.0697538	1	595	17	0.0251496
0.0600707	1	595	17	0.0251496
0.122449	1	1044	20	0.0237902
0.0721353	1	802	23	0.0269328
0.105176	1	894	26	0.0499903
0.0863529	1	734	15	0.0240462
0.0715294	1	608	16	0.0499462
0.101765	1	865	24	0.0234459
0.11	1	935	25	0.0225014
0.0756155	1	645	14	0.032141
0.07207	1	618	18	0.036952
0.0470093	1	569	16	0.0491517
0.0755294	1	642	18	0.0186879
0.100856	1	895	24	0.0308257
0.140588	1	1195	32	0.0163133
0.0682138	1	582	14	0.04811
0.076	1	646	11	0.0322558
0.0829412	1	705	16	0.0406331
0.0698824	1	594	14	0.0419749
0.11332	1	969	28	0.0478275
0.0887059	1	754	20	0.0454971
0.0756865	1	645	17	0.0435462
0.112023	1	969	21	0.040995
0.0505631	1	642	18	0.0499197
0.0858824	1	730	21	0.0333328
0.0699038	1	596	17	0.0499108
0.10154	1	1108	31	0.0130736
0.13062	1	1136	29	0.0196148
0.0729412	1	620	18	0.0288307
0.068925	1	586	17	0.042328
0.0772264	1	705	20	0.0332886
0.0765692	1	699	19	0.0341537
0.0744706	0.99061	639	18	0.0228103
0.0570892	1	486	14	0.0497078
0.126588	0.934839	1151	27	0.00331915
0.0790588	1	672	18	0.0352042
0.0722268	1	614	12	0.0454441
0.0771765	1	656	12	0.0474126
0.0878824	1	747	21	0.0434138
0.0921008	1	808	22	0.0319115

0.0794447	1	681	17	0.0316908
0.0691765	1	588	13	0.0470949
0.111412	1	947	23	0.0324853
0.0787059	1	669	12	0.0135061
0.068138	1	883	23	0.0413658
0.0804706	1	684	16	0.0301019
0.0738888	1	635	16	0.0219187
0.0991544	1	856	22	0.0391236
0.0882353	1	750	21	0.0308522
0.0708235	1	602	17	0.044323
0.0388235	1	330	10	0.0444466
0.0697647	1	593	17	0.0416571
0.0858824	1	730	16	0.0327148
0.0580918	1	495	14	0.0497519
0.081948	1	700	20	0.049134
0.0405263	1	345	10	0.0499197
0.119882	1	1019	21	0.018785
0.0713196	1	608	17	0.0481542
0.0941273	1	803	22	0.0162956
0.0989602	1	847	18	0.0334652
0.0581246	1	499	13	0.0468565
0.0862534	1	736	20	0.0421161
0.0530588	1	451	13	0.0145743
0.0797381	1	682	20	0.0485867
0.0850618	1	730	15	0.034754
0.0797416	1	679	19	0.0356456
0.0701033	1	597	15	0.0424339
0.0108235	0.101996	902	25	0.014892
0.0823529	1	700	20	0.0479246
0.0949471	1	808	23	0.0242845
0.09737	1	833	17	0.0089158
0.0751283	1	644	18	0.0482866
0.0693354	1	1157	29	0.0315672
0.067435	1	591	14	0.0427429
0.071106	1	614	15	0.0424074
0.0753787	1	642	18	0.0390618
0.0898876	1	768	22	0.0422397
0.0990588	1	842	24	0.021345
0.0735124	1	635	17	0.0431578
0.1	1	850	24	0.0343744
0.0651368	1	914	20	0.0356456
0.0581176	1	494	12	0.0464681
0.10207	1	868	23	0.0415423
0.0835196	1	710	19	0.0434668
0.0752944	1	697	17	0.0305168
0.0950632	1	880	20	0.0152893
0.0642353	1	546	15	0.0477658

0.0781076	1	700	19	0.04668
0.0713616	1	609	13	0.04668
0.0792941	1	674	19	0.0249819
0.0877647	1	746	18	0.0222542
0.035787	1	791	23	0.0311788
0.05857	1	598	17	0.03373
0.10187	1	866	22	0.0351159
0.101882	1	866	22	0.0351159
0.0650267	1	645	18	0.0306315
0.0761176	1	647	18	0.0355308
0.0822353	1	699	19	0.0403595
0.0549048	1	914	22	0.0160749
0.113529	1	965	24	0.0452587
0.059533	1	538	15	0.04668
0.100995	1	883	25	0.0170813
0.0528235	1	449	13	0.035778
0.102235	1	869	20	0.0284688
0.078	1	663	19	0.0410657
0.0824815	1	702	20	0.0235695
0.104398	1	895	19	0.0478364
0.0708235	1	602	14	0.0479511
0.0722906	1	617	12	0.0389912
0.0751056	1	658	18	0.0451087
0.0330186	1	598	16	0.046627
0.0615294	1	523	13	0.0326972
0.0705882	1	600	11	0.046371
0.0865882	1	736	19	0.0161455
0.0419247	1	907	26	0.0311788
0.0493205	1	1067	27	0.0164898
0.0497827	1	1077	26	0.0221218
0.0626329	1	1355	39	0.0243022
0.0451142	1	976	21	0.0242669
0.0875294	1	744	21	0.03245
0.0802577	1	735	21	0.0429106
0.0573269	1	525	14	0.0312141
0.0440628	1	685	16	0.0395826
0.0827059	1	703	18	0.0469713
0.0714118	1	607	17	0.0423103
0.0529412	1	450	13	0.0440935
0.0402822	1	354	10	0.0425487
0.0718985	1	612	17	0.0331915
0.102471	1	871	23	0.0129676
0.0530633	1	634	18	0.0450292
0.0744219	1	634	18	0.0450292
0.0748235	1	636	18	0.0345333
0.0916955	1	901	26	0.0411098
0.0813094	1	693	17	0.0350629

0.0815102	1	693	17	0.0350629
0.0478419	1	409	12	0.0481012
0.0727551	1	619	16	0.0495401
0.0714948	1	617	17	0.0457443
0.0725882	1	617	17	0.0457443
0.0822911	1	704	18	0.0406772
0.0562602	1	723	20	0.0211155
0.0740306	1	630	17	0.0351954
0.104471	1	888	24	0.0161544
0.0829274	1	715	20	0.0282128
0.0562009	1	479	10	0.0498137
0.091757	1	787	16	0.0229251
0.114947	1	979	25	0.0276831
0.113903	1	979	25	0.0276831
0.0387578	1	639	18	0.0452941
0.0755028	1	642	18	0.0468742
0.0892983	1	761	20	0.0305168
0.123059	1	1046	27	0.019703
0.0703529	1	598	11	0.0458325
0.0852941	1	725	21	0.0184407
0.0902794	1	769	21	0.0331121
0.0686794	1	596	17	0.0484984
0.0295294	0.421141	596	17	0.0484984
0.0695012	1	595	14	0.0384262
0.08089	1	698	20	0.0475098
0.0486459	1	679	14	0.0331827
0.0702353	1	597	16	0.0419396
0.07	1	595	14	0.020268
0.03531	1	627	18	0.0469713
0.0725947	1	627	18	0.0469713
0.10903	1	949	17	0.0157306
0.0726426	1	671	18	0.0476157
0.106588	1	906	25	0.0107343
0.0444844	0.548476	722	21	0.0336947
0.0775294	1	659	19	0.0347275
0.133294	1	1133	26	0.0127558
0.122756	1	1046	25	0.012694
0.0402353	1	342	10	0.0461591
0.0737003	1	628	17	0.0437051
0.0729412	1	620	17	0.0445261
0.0380576	1	616	13	0.0487633
0.0723854	1	616	13	0.0487633
0.0879069	1	748	19	0.0491782
0.0614256	1	779	17	0.0203033
0.0723529	1	615	10	0.0431048
0.0884706	1	752	21	0.0465829
0.113059	1	961	22	0.0243728



0.105176	1	894	25	0.00354867
0.0688532	1	592	16	0.0487456
0.108824	1	925	24	0.0434579
0.0572968	1	638	17	0.044173
0.066996	1	746	21	0.0314613
0.0709412	1	603	16	0.0377465
0.127951	1	1111	29	0.0354072
0.0728235	1	619	17	0.0200297
0.065098	1	996	27	0.0237019
0.0945882	1	804	21	0.0118907
0.07	1	595	17	0.0438463
0.0515294	1	438	10	0.0498226
0.052453	1	634	18	0.0480394
0.0654566	1	577	14	0.0441465
0.08064	1	751	19	0.0244964
0.0627059	1	533	15	0.0496195
0.0918824	1	781	22	0.0346834
0.073488	1	627	14	0.030455
0.191259	1	1628	43	0.0226426
0.0375834	1	586	11	0.0489133
0.0687309	1	586	11	0.0489133
0.0828235	1	704	19	0.0467682
0.050595	1	1080	30	0.0245405
0.105934	1	1080	30	0.0245405
0.0735294	1	625	16	0.0499197
0.0904706	1	769	22	0.0271005
0.0764706	1	650	14	0.0454441
0.0808235	1	687	19	0.0403153
0.102	1	867	23	0.0497608
0.0711637	1	614	10	0.0436609
0.0716471	1	609	17	0.0393973
0.0406667	1	649	18	0.0339065
0.0728314	1	623	12	0.0196766
0.0799953	1	687	14	0.0488515
0.0931532	1	800	22	0.0325559
0.0496519	1	649	13	0.0234283
0.0804706	1	684	19	0.03245
0.0737647	1	627	17	0.0384351
0.0924706	1	786	21	0.0227485
0.0725541	1	617	13	0.049699
0.0996002	1	847	24	0.0285482
0.0964336	1	822	22	0.0327237
0.0652941	1	555	10	0.0497961
0.148941	1	1266	33	0.0166664
0.0711727	1	616	14	0.0455147
0.0362147	1	535	15	0.0474833
0.0467068	1	690	20	0.0385057

0.0429045	1	595	17	0.049134
0.0662583	1	595	17	0.049134
0.04651	1	645	19	0.0210183
0.0653675	0.910078	645	19	0.0210183
0.0486144	1	414	12	0.0489751
0.118062	1	1138	31	0.0166399
0.0373459	1	506	14	0.0498844
0.0938824	1	798	23	0.0344627
0.0747532	1	636	18	0.0343656
0.0698741	1	594	13	0.0324588
0.0711852	1	606	15	0.0241256
0.111268	1	948	24	0.0422662
0.0701011	1	596	14	0.0224749
0.0874118	1	743	16	0.0424074
0.120824	1	1027	28	0.0349305
0.119659	1	1025	29	0.0140711
0.0524915	1	868	24	0.0330503
0.0916471	1	779	22	0.0286542
0.0328732	1	593	16	0.0480482
0.0364765	1	658	17	0.0466005
0.0971031	1	838	17	0.0314613
0.0732329	1	632	15	0.0372963
0.0276472	1	500	14	0.0425222
0.0714118	1	607	17	0.0466358
0.0406984	1	683	17	0.0314878
0.0724842	1	618	16	0.034904
0.0149977	0.190337	683	20	0.0453735
0.072	1	612	14	0.0430077
0.0708182	1	605	10	0.0448703
0.100824	1	857	21	0.0338712
0.134453	1	1177	33	0.017302
0.0922353	1	784	18	0.0344097
0.0742857	1	637	18	0.0409774
0.0699177	1	595	17	0.0383468
0.0582524	0.907563	595	17	0.0383468
0.0282925	1	600	11	0.0420808
0.0562114	1	600	11	0.0420808
0.0723529	1	615	16	0.0392207
0.0400846	1	341	10	0.049646
0.0361678	1	601	17	0.0491164
0.0990588	1	842	23	0.0351071
0.0929038	1	796	22	0.0452499
0.0289012	1	343	10	0.0422397
0.069613	1	608	16	0.045144
0.0910588	1	774	22	0.049496
0.109931	1	942	20	0.0213538
0.071571	1	610	14	0.0459914

0.049748	1	681	14	0.0324147
0.0764706	1	650	18	0.0390088
0.0292098	1	353	10	0.0497519
0.100235	1	852	23	0.0232164
0.0788109	1	684	17	0.0344803
0.0775549	1	661	19	0.0466535
0.0698141	1	661	19	0.0466535
0.104421	1	888	25	0.0480482
0.128332	1	1093	29	0.0128705
0.0811765	1	690	19	0.0333945
0.079102	1	673	19	0.020833
0.071194	1	607	14	0.029581
0.0700687	1	979	25	0.0310464
0.0900129	1	767	37	0.0499197
0.0976471	1	830	15	0.0177698
0.0781176	1	664	13	0.026818
0.07155	1	1010	28	0.0196589
0.122353	1	1040	29	0.0214509
0.0797647	1	678	19	0.037314
0.138055	1	1187	32	0.00809484
0.0899061	1	766	21	0.0405095
0.140235	1	1192	23	0.00693844
0.0573415	1	635	15	0.0353013
0.0558967	1	619	17	0.0489045
0.0728924	1	626	13	0.0350012
0.0709077	1	632	17	0.0423898
0.0724417	1	1093	25	0.0162162
0.0273772	1	617	17	0.0461944
0.0506614	1	540	15	0.0472184
0.14884	1	1290	24	0.0130118
0.0732954	1	631	17	0.0341978
0.0728049	1	631	17	0.0341978
0.0488849	1	434	12	0.0396179
0.0857411	1	730	20	0.0314172
0.0729412	1	620	13	0.0497519
0.0982353	1	835	23	0.0488251
0.0729412	1	620	15	0.0431048
0.0817323	1	1038	28	0.0313642
0.0692524	1	591	16	0.0493989
0.0881176	1	749	18	0.0223778
0.0668235	1	568	16	0.0496107
0.119765	1	1018	27	0.0242316
0.0704195	1	643	18	0.0445525
0.0912941	1	776	20	0.0422927
0.0734118	1	624	16	0.0263149
0.0884706	1	752	19	0.0230398
0.03938	1	658	13	0.0360428

0.0788235	1	670	14	0.0287248
0.0528246	1	461	13	0.0231987
0.0369363	1	584	14	0.0481012
0.0682961	1	584	14	0.0481012
0.120729	1	1060	27	0.0215127
0.0701775	1	597	13	0.0455147
0.0990588	1	842	24	0.0239138
0.0400598	1	616	17	0.0452587
0.0625924	1	974	28	0.0322646
0.0492155	1	436	12	0.0491782
0.100706	1	856	16	0.0179817
0.0761176	1	647	18	0.0495489
0.118144	1	1006	25	0.0226603
0.0690546	1	588	10	0.0462916
0.0859494	1	731	15	0.0326707
0.0379118	1	618	15	0.047395
0.0732935	1	626	14	0.0420808
0.109412	1	930	25	0.0212214
0.0697647	1	593	17	0.0439787
0.0526808	1	451	25	0.015969
0.0963529	1	819	23	0.0328914
0.0996358	1	848	24	0.0207712
0.0692941	1	589	17	0.0468565
0.0602296	1	640	18	0.0483925
0.0747053	1	640	18	0.0483925
0.0724706	1	616	16	0.049187
0.056041	1	590	17	0.046371
0.0747059	1	635	18	0.0475186
0.108588	1	923	23	0.0108314
0.0854118	1	726	18	0.0464593
0.0754118	1	641	18	0.0272506
0.0831765	1	707	20	0.0473332
0.0860943	1	738	21	0.0463975
0.0657647	1	559	16	0.0492929
0.119176	1	1013	18	0.0170813
0.0914118	1	777	22	0.0350453
0.081555	1	814	18	0.0237461
0.131484	1	1166	31	0.017558
0.0772823	1	662	15	0.0492223
0.0599264	1	521	13	0.0466005
0.129529	1	1101	31	0.0125086
0.0290199	1	453	13	0.0461415
0.0724706	1	616	11	0.0370491
0.0230694	1	659	14	0.0466358
0.0607758	1	857	19	0.0434579
0.101647	1	864	22	0.0262442
0.0824512	1	701	38	0.031938

0.0496706	1	656	19	0.0468742
0.0459605	1	607	17	0.0419219
0.0752839	1	643	14	0.0497431
0.0925882	1	787	44	0.0345245
0.113294	1	963	27	0.0245229
0.0989412	1	841	24	0.0277979
0.0782353	1	665	15	0.046062
0.0767059	1	652	17	0.0406066
0.149294	1	1269	36	0.00313377
0.0642293	1	643	16	0.0357162
0.0692239	1	693	15	0.0233135
0.0723529	1	615	17	0.0374817
0.130749	1	1120	31	0.012438
0.0918749	1	787	22	0.0434579
0.0910588	1	774	15	0.0347275
0.0596568	1	598	15	0.0420367
0.00799771	0.140468	598	15	0.0420367
0.0534209	1	862	22	0.0355838
0.0654437	1	1056	24	0.0351689
0.0726015	1	619	12	0.0429371
0.0457581	1	603	17	0.0302961
0.0398215	1	571	14	0.0449498
0.0747059	1	635	17	0.0439611
0.0709412	1	603	17	0.0472979
0.116219	1	991	27	0.0347716
0.0721048	1	815	13	0.048419
0.0709677	1	605	16	0.0480306
0.0853815	1	733	21	0.0464769
0.0856471	1	728	21	0.0325118
0.124194	1	1060	29	0.0321587
0.0718992	1	622	17	0.0485161
0.0660745	1	610	17	0.049902
0.0609594	1	596	14	0.0477834
0.0694657	1	680	18	0.0307463
0.0292518	1	624	18	0.0277008
0.0954118	1	811	23	0.0123585
0.0362127	1	615	14	0.0466535
0.068844	1	586	16	0.0416836
0.0613386	1	812	22	0.0351071
0.0695294	1	591	14	0.0447909
0.0495475	1	991	28	0.0478982
0.0818192	1	698	18	0.0469713
0.0882249	1	750	16	0.0485955
0.0724706	1	616	17	0.0339242
0.0624738	1	595	16	0.0477304
0.071185	1	668	13	0.0302343
0.0569684	1	569	16	0.0445614

0.082	1	697	17	0.0351689
0.0963572	1	820	17	0.0437227
0.107654	1	1007	27	0.0218216
0.0729944	0.990798	652	18	0.0277979
0.0925882	1	787	23	0.0345068
0.0523112	1	636	13	0.0399799
0.0724706	1	616	12	0.045144
0.129882	1	1104	30	0.0126322
0.0969412	1	824	23	0.0395826
0.118471	1	1007	20	0.0229516
0.0237631	1	658	14	0.0450204
0.108118	1	919	26	0.0163133
0.0883888	1	762	16	0.0425222
0.0569412	1	484	11	0.0473509
0.0984257	1	844	23	0.0316555
0.0731415	1	671	19	0.0403859
0.096	1	816	20	0.0329708
0.0710588	1	604	11	0.0401652
0.0776471	1	660	18	0.00770643
0.0735708	1	628	13	0.0455589
0.0850316	1	726	18	0.0405537
0.111529	1	948	22	0.0230045
0.106677	1	1569	44	0.0231723
0.0734899	1	629	18	0.0477569
0.074	1	629	18	0.0477569
0.0979616	1	841	22	0.0487456
0.0376853	1	506	11	0.0359722
0.136118	1	1157	32	0.0159513
0.107176	1	911	26	0.0294663
0.0705882	1	600	17	0.0499197
0.0642353	1	546	11	0.0488339
0.112353	1	955	24	0.0290955
0.0870588	0.91358	810	22	0.0497255
0.0725882	1	617	18	0.0489575
0.0752161	1	644	17	0.0430077
0.0834118	1	709	19	0.0496284
0.0452261	1	468	13	0.0319998
0.0731765	1	622	15	0.0326972
0.0826746	1	753	18	0.0284953
0.0716376	1	612	17	0.039459
0.0888733	1	758	20	0.0494077
0.0494159	1	423	12	0.0237196
0.112833	1	961	27	0.0453735
0.0691131	1	646	13	0.0475362
0.0754939	1	642	13	0.0338447
0.0514991	1	438	10	0.0481983
0.0463615	1	395	10	0.0489486

0.0984706	1	837	21	0.0356279
0.0441513	1	636	18	0.0327678
0.0765882	1	651	12	0.0169665
0.0252363	1	598	17	0.0480217
0.0711765	1	605	17	0.0406861
0.0929412	1	790	14	0.0310906
0.0693221	1	590	10	0.0476245
0.0968431	1	1178	33	0.00692078
0.0541763	1	659	19	0.0326707
0.0820712	1	699	18	0.0489575
0.0703529	1	598	17	0.0499197
0.0826997	1	707	20	0.0149009
0.116929	1	1016	28	0.0296428
0.120183	1	1023	29	0.0347187
0.0752676	1	654	19	0.0468124
0.0707059	1	601	16	0.0497961
0.0855814	1	736	21	0.0328119
0.0909412	1	773	18	0.0411098
0.102127	1	869	23	0.0240727
0.0441176	0.578704	648	12	0.0240727
0.0755069	1	648	12	0.0240727
0.073388	1	626	13	0.0342067
0.101374	1	863	18	0.0340743
0.0616315	1	652	14	0.0319821
0.0447004	1	617	16	0.0498667
0.0762353	1	648	15	0.0410392
0.145156	1	1236	35	0.00821843
0.0687067	1	595	17	0.0454265
0.0679767	1	595	17	0.0454265
0.0889412	1	756	21	0.0456648
0.0832941	1	708	20	0.0496284
0.0508533	1	593	15	0.0491782
0.0676828	1	1048	23	0.0398828
0.0835294	1	710	20	0.0331209
0.0696692	1	594	17	0.0371109
0.0688235	1	585	16	0.0479776
0.0909621	1	780	15	0.0203386
0.0918824	1	781	22	0.0308257
0.0931765	1	792	20	0.0232782
0.0729009	0.961598	651	17	0.047192
0.0673994	1	650	15	0.0401652
0.0728617	1	621	18	0.0360604
0.0815294	1	693	20	0.0239844
0.0813094	1	693	20	0.0239844
0.0972941	1	827	24	0.044067
0.0544749	1	899	20	0.0216098
0.0707204	1	642	15	0.024311

0.0649923	1	590	15	0.049134
0.0998017	1	906	24	0.0333063
0.0718361	1	617	13	0.0350629
0.0754029	1	641	18	0.0323264
0.0910359	1	783	21	0.0289013
0.0667059	1	567	11	0.0491782
0.102328	1	910	18	0.0231723
0.0508319	1	608	13	0.0335093
0.0702353	1	597	17	0.0494695
0.0930588	1	791	22	0.0272417
0.0709412	1	603	16	0.0307375
0.0742984	1	638	18	0.0420102
0.0703281	1	598	11	0.0368461
0.0990588	0.861822	977	18	0.0307639
0.0765882	1	651	16	0.0397768
0.0718824	1	611	13	0.0497078
0.0634079	1	777	21	0.0414717
0.0890869	1	760	19	0.0463269
0.0881977	1	760	19	0.0463269
0.0807059	1	686	19	0.0475186
0.0655834	1	561	14	0.015969
0.0424799	1	962	26	0.0239314
0.116471	1	990	28	0.0190233
0.0586976	1	603	16	0.0196148
0.0464333	1	869	25	0.0240992
0.0679623	1	605	17	0.0419572
0.0930588	1	791	22	0.0232782
0.136706	1	1162	33	0.028151
0.120235	1	1022	29	0.0218834
0.0699506	1	595	13	0.0438993
0.0229019	1	626	18	0.0436521
0.0351771	1	711	15	0.0191557
0.0457374	1	610	14	0.0414188
0.0554231	1	488	14	0.0489486
0.0393868	1	740	21	0.024311
0.0922591	1	789	21	0.0474568
0.0722353	1	614	17	0.0494077
0.0717225	1	610	10	0.0439699
0.0708235	1	602	16	0.0365283
0.0688235	1	585	10	0.0411804
0.0873034	1	755	16	0.0269946
0.0675515	1	794	22	0.045912
0.0934008	1	794	22	0.045912
0.1253	1	1096	29	0.0102488
0.0734085	1	625	17	0.0472273
0.0764011	1	653	13	0.0351954
0.0768235	1	653	13	0.0351954



0.086	1	731	14	0.0464681
0.0607347	1	615	11	0.0319468
0.0887428	1	756	21	0.0264384
0.0947059	1	805	20	0.0213803
0.0944614	1	805	20	0.0213803
0.0699202	1	596	16	0.0469978
0.0788732	1	672	19	0.0313907
0.0910588	1	774	21	0.0326354
0.0805693	1	685	19	0.0469713
0.0334274	1	877	25	0.0329355
0.0806792	1	689	20	0.0334298
0.0885882	1	753	18	0.0452499
0.0831765	1	707	20	0.031629
0.0696991	1	593	16	0.0362194
0.0391857	1	641	17	0.0242316
0.0722353	1	614	12	0.0468212
0.0976471	1	830	21	0.0137621
0.109696	1	939	23	0.02605
0.0729412	1	620	12	0.0455677
0.0704308	1	600	17	0.0473862
0.0850588	1	723	16	0.0488515
0.107529	1	914	25	0.0478275
0.109975	1	936	26	0.0234283
0.0729412	1	620	17	0.0460532
0.0441532	1	748	19	0.0171431
0.0869412	1	739	21	0.0355661
0.162403	1	1384	31	0.0190233
0.132118	1	1123	31	0.0219364
0.0845882	1	719	20	0.0325471
0.0545882	1	464	11	0.0493282
0.00623529	0.0876033	605	17	0.0491782
0.0757593	1	651	18	0.0332003
0.100471	1	854	24	0.0216186
0.0529412	1	450	13	0.0328384
0.073165	1	623	18	0.0350012
0.124471	1	1058	23	0.0233135
0.0504994	1	627	11	0.0407479
0.102353	1	870	19	0.0241521
0.0722353	1	614	14	0.0432549
0.0498589	1	424	12	0.032141
0.0763529	1	649	12	0.0335623
0.0770756	1	661	19	0.0463622
0.0964585	1	828	19	0.0433608
0.111345	1	953	24	0.0225985
0.0710363	1	608	17	0.0495048
0.0922353	1	784	15	0.0270122
0.0703582	1	601	17	0.0439964

0.0712941	1	606	17	0.0308257
0.0849321	1	726	17	0.0366078
0.070048	1	598	17	0.0447291
0.100621	1	859	24	0.020065
0.000823529	0.0114754	610	11	0.048984
0.0716471	1	609	16	0.0294663
0.0757983	1	648	14	0.0447379
0.103266	1	1015	21	0.0174167
0.0631765	0.764957	702	16	0.0182642
0.0825591	1	702	16	0.0182642
0.0698824	1	594	17	0.0452234
0.0743529	1	632	18	0.0394679
0.0709412	1	603	17	0.0424074
0.0496836	1	683	14	0.042275
0.0701244	1	964	25	0.0128352
0.0727059	1	618	18	0.0196589
0.0724842	1	618	18	0.0196589
0.0547399	1	686	18	0.0384351
0.0703529	1	598	13	0.0490016
0.0713614	1	607	11	0.0418601
0.0584792	1	899	25	0.0158013
0.0712708	0.681869	899	25	0.0158013
0.100471	1	854	24	0.0079536
0.0803529	1	683	19	0.0461856
0.0702353	1	597	17	0.0486926
0.0763029	1	653	15	0.03772
0.0452176	1	746	16	0.0321587
0.0730916	1	631	18	0.0487898
0.0390927	1	617	11	0.0392384
0.11124	1	961	26	0.0267916
0.0391753	1	608	13	0.0407037
0.0516863	1	895	24	0.0241521
0.0717647	1	610	14	0.0498049
0.0770391	1	919	23	0.0308257
0.0703464	1	599	17	0.045859
0.0695294	1	591	15	0.0483484
0.0741176	1	630	13	0.0392913
0.0628682	1	587	17	0.0395915
0.0423529	1	360	10	0.0475009
0.0787059	1	669	18	0.0318939
0.0817647	1	695	19	0.044632
0.0775982	1	672	19	0.0270034
0.0787531	1	672	19	0.0270034
0.134118	1	1140	28	0.0201886
0.0908235	1	772	22	0.0339242
0.0855294	1	727	20	0.0483219
0.0750961	1	645	18	0.0439611

0.0471632	1	606	11	0.0440405
0.0706337	1	603	14	0.0360428
0.0718824	1	611	16	0.0481012
0.0809728	1	869	24	0.0283893
0.0712941	1	606	17	0.0231546
0.0778823	1	662	18	0.0322293
0.0705302	1	600	14	0.0428312
0.0709412	1	603	17	0.045912
0.0967059	1	822	17	0.0235254
0.117905	1	1047	28	0.0270917
0.0906651	1	777	21	0.033271
0.124341	1	1061	30	0.0316908
0.0776471	1	660	19	0.0350012
0.0776881	1	664	12	0.0463269
0.070649	1	602	17	0.0445525
0.0835279	1	823	20	0.0319998
0.100654	1	862	24	0.0242139
0.123079	1	1049	25	0.0455324
0.0784706	1	667	19	0.039821
0.0578993	1	667	19	0.039821
0.0807643	1	689	19	0.0439523
0.0739655	0.985937	640	16	0.0335623
0.108005	1	931	23	0.0300048
0.0859107	1	750	20	0.0347628
0.064617	1	599	15	0.0449586
0.0823775	1	711	20	0.0294398
0.0852921	1	762	21	0.017196
0.0941176	1	800	18	0.0490634
0.0747059	1	635	13	0.0456825
0.0542294	1	468	10	0.0398033
0.0837647	1	712	20	0.0497784
0.0771765	1	656	12	0.0430165
0.0456781	1	390	10	0.0430077
0.117523	1	1000	28	0.0215127
0.0764288	1	678	19	0.0161544
0.109412	1	930	26	0.0239844
0.0390769	1	552	16	0.0244964
0.0637278	1	545	11	0.0429106
0.0592134	1	545	11	0.0429106
0.0809412	1	688	18	0.0208241
0.0764706	1	650	18	0.0477569
0.109294	1	929	24	0.0170724
0.0690588	1	587	17	0.0491164
0.0885882	1	753	16	0.0331297
0.0748235	0.995305	639	16	0.0373051
0.0704706	1	599	14	0.0364577
0.146058	1	1245	31	0.00904822

0.107406		1	918	26	0.0451087
0.0438824	0.612479		609	16	0.0490281
0.0712364		1	609	16	0.0490281
0.0747194		1	639	18	0.0471831
0.125294		1	1065	29	0.0372963
0.151647		1	1289	24	0.0120937
0.0902353		1	767	21	0.0429194
0.124941		1	1062	22	0.0082096
0.0792683		1	676	19	0.0413305
0.0583246		1	502	12	0.045656
0.0503529		1	428	12	0.0489222
0.0776471		1	660	19	0.0283628
0.0816471		1	694	19	0.0335005
0.0427978		1	763	21	0.0301548
0.119522		1	1020	21	0.0350453
0.072		1	612	16	0.0484366
0.05459		1	468	13	0.0189968
0.0103214	0.0869565		1012	28	0.0326707
0.0962526		1	1012	28	0.0326707
0.0802353		1	682	19	0.0480482
0.0877647		1	746	17	0.0190498
0.07		1	595	17	0.0488869
0.0698824		1	594	17	0.0451705
0.088		1	748	19	0.0394944
0.082306		1	701	17	0.0492311
0.0771765		1	656	19	0.0487456
0.076806		1	656	19	0.0487456
0.0928235		1	789	19	0.0480747
0.0485673		1	439	10	0.0431754
0.082876		1	755	21	0.0333063
0.081888		1	746	21	0.0335181
0.0668496	0.991857		614	16	0.0420808
0.0773298		1	702	18	0.0432107
0.0648105		1	554	16	0.0449586
0.0693777		1	592	11	0.0196148
0.0697293		1	595	17	0.0302873
0.0300966		1	614	16	0.0447114
0.0101365		1	343	10	0.0474921
0.111143		1	1175	32	0.0159955
0.0737647		1	627	12	0.0425222
0.0692941		1	589	17	0.0414099
0.0983529		1	836	21	0.0494253
0.0326521	0.374663		742	20	0.031629
0.0475241		1	405	12	0.0237196
0.118706		1	1009	28	0.0199944
0.102673		1	941	25	0.0244523
0.0685794		1	588	13	0.044173

0.0748235	1	636	18	0.0489133
0.101412	1	862	25	0.0324147
0.117597	1	1096	31	0.016684
0.0791765	1	673	19	0.0323441
0.0797647	1	678	19	0.0371462
0.0814145	1	693	19	0.0345245
0.0687966	1	590	17	0.0446232
0.070363	1	599	17	0.04683
0.111748	1	955	27	0.0297841
0.155765	1	1324	34	0.0234283
0.0908235	1	772	16	0.012694
0.0695049	1	591	17	0.0494077
0.0607981	1	518	15	0.0219364
0.109961	0.944444	990	24	0.0492311
0.0941095	1	818	23	0.0283717
0.0735916	1	627	18	0.0413658
0.0450588	1	383	11	0.0497961
0.0532941	1	453	13	0.0440141
0.0734102	1	643	18	0.0415423
0.0718264	1	619	17	0.0486926
0.0443529	1	377	11	0.0427341
0.0781176	1	664	18	0.0413393
0.106328	1	941	26	0.0270475
0.0710421	1	604	17	0.0133649
0.110813	1	949	24	0.0470419
0.126476	1	1082	24	0.0356014
0.0754052	1	642	18	0.0436786
0.0654643	1	1118	27	0.033677
0.116	1	986	28	0.0470772
0.0749412	1	637	18	0.0219452
0.145264	1	1250	34	0.0140446
0.0694118	1	590	11	0.0357956
0.0987915	0.80038	1052	28	0.0168606
0.123634	1	1052	28	0.0168606
0.101412	1	862	24	0.0172931
0.095522	1	817	23	0.0319468
0.0961176	1	817	23	0.0319468
0.148687	0.992175	1278	36	0.0142829
0.0782353	1	665	18	0.0400593
0.0882353	1	750	20	0.0193588
0.0542353	0.782683	589	17	0.0493459
0.105541	1	901	19	0.0346216
0.0694118	1	590	17	0.0453205
0.0380673	1	598	17	0.0499462
0.125149	1	1153	26	0.0350012
0.0591695	1	503	12	0.0454088
0.0851882	1	731	20	0.0297135

0.0676852	1	824	19	0.0440317
0.107349	1	913	23	0.0234459
0.0743132	1	633	14	0.0261825
0.073961	1	630	18	0.0343656
0.06965	1	593	10	0.0498844
0.0980097	1	847	24	0.0283628
0.0728726	1	620	14	0.0447909
0.0959934	1	817	21	0.0344627
0.0468702	1	760	20	0.0347187
0.0571204	1	655	15	0.0425222
0.0890721	1	767	14	0.0422574
0.0689412	1	586	11	0.0483925
0.0674603	1	612	16	0.0487456
0.0698311	1	612	16	0.0487456
0.0680947	1	604	17	0.038594
0.0828235	1	704	19	0.023543
0.121176	1	1030	36	0.0219276
0.0694118	1	590	14	0.0452587

Fraction of negatively enriched windows in region	MAT-score on T(H3K14acHETHF vs. control)
0	7.7194
0	6.6836
0	5.26481
0	6.23831
0	6.22055
0	5.28564
0	5.35584
0	8.01373
0	14.229
0	6.04146
0	5.24906
0	5.56267
0	5.30947
0	5.36827
0	7.37603
0	8.63086
0	5.38459
0	6.57788
0	5.26679
0	5.63267
0	5.71999
0	6.35944
0	7.32259
0	5.63523
0	8.09561
0	6.03958
0	5.43671
0	5.70547
0	5.94233
0	5.53659
0	5.62893
0	15.5566
0	5.40115
0	6.0175
0	6.48355
0	5.75362
0	5.39124
0	6.55687
0	5.36504
0	6.40835
0	5.64867
0	5.28459
0	5.5109
0	9.08711

0	5.2611
0	7.39983
0	7.39983
0	6.30286
0	5.34683
0	6.27249
0	5.24639
0	7.56544
0	6.00345
0	5.34083
0	5.34083
0	5.73982
0	5.52155
0	6.0252
0	6.80397
0	5.60622
0	5.52592
0	8.11619
0	6.28488
0	5.2888
0	5.39261
0	5.30548
0	6.20483
0	5.69319
0	6.21941
0	11.1721
0	7.01053
0	5.57561
0	5.453
0	5.658
0	7.25598
0	7.25598
0	5.42703
0	5.42703
0	5.2346
0	5.6303
0	5.49211
0	5.54245
0	7.72404
0	5.57662
0	5.28552
0	7.10108
0	5.44481
0	5.25098
0	5.7518
0	7.00838
0	6.22782



0	6.10675
0	7.31823
0	5.30261
0	6.49434
0	6.49434
0	8.24258
0	5.53118
0	6.36394
0	6.19965
0	6.10324
0	5.50805
0	6.1073
0	5.34874
0	7.64982
0	5.41797
0	7.35621
0	6.34897
0	5.84129
0	5.57308
0	5.36333
0	6.52942
0	5.28988
0	5.42624
0	5.42624
0	5.40998
0	5.24266
0	5.57922
0	5.57922
0	5.26894
0	6.23634
0	10.7426
0	6.30804
0	6.05125
0	6.05125
0	6.01431
0	8.12411
0	5.48318
0	7.16354
0	6.3259
0	6.3259
0	6.20479
0	5.38772
0	5.56223
0	6.29249
0	8.10604
0	5.2881
0	7.42606

0	5.37048
0	6.09208
0	5.26176
0	5.36298
0	5.81984
0	5.65811
0	6.46108
0	5.79799
0	7.10038
0	5.95663
0	5.82483
0	6.5838
0	5.92847
0	5.92847
0	6.57896
0	5.30492
0	5.96032
0	5.41611
0	5.25601
0	6.08593
0	5.67186
0	5.44723
0	5.45429
0	5.71903
0	5.53646
0	7.10509
0	6.05161
0	6.82584
0	8.04362
0	5.77592
0	5.59424
0	5.6516
0	5.42139
0	5.42139
0	5.81734
0	5.81734
0	5.34913
0	5.51708
0	5.77241
0	6.01757
0	5.44258
0	5.41294
0	5.40892
0	7.44043
0	5.58179
0	6.24376
0	9.02253

0	8.81767
0	8.18147
0	5.41331
0	8.03823
0	5.28444
0	5.32129
0	5.81132
0	5.69121
0	5.55564
0	5.80159
0	5.37566
0	5.26145
0	7.37448
0	9.08079
0	10.0363
0	6.75061
0	7.14981
0	9.9384
0	6.55983
0	5.48701
0	6.25346
0	7.07399
0	5.46585
0	5.39884
0	6.16264
0	5.28679
0	6.18937
0	17.4047
0	5.88465
0	5.30586
0	5.30586
0	5.8999
0	5.67545
0	7.4133
0	7.17603
0	7.14394
0	6.07685
0	5.67662
0	6.39391
0	5.55896
0	5.56997
0	5.30192
0	5.25582
0	5.27851
0	5.27851
0	7.05315
0	7.66177

0	5.6831
0	7.51715
0	5.2662
0	5.61887
0	5.33748
0	6.02043
0.125	6.11591
0	6.2532
0	5.93301
0	6.91525
0	7.91358
0	5.75588
0	6.08825
0	5.50862
0	6.44742
0	5.30753
0	6.04403
0	5.73583
0	9.69842
0	9.08197
0	6.02587
0	5.77617
0	5.29422
0	8.24355
0	6.89821
0	5.35304
0	11.1729
0	8.12697
0	6.43229
0	5.25687
0	5.87481
0	5.8015
0	8.03659
0	5.24059
0	9.79825
0	5.25148
0	5.55653
0	5.55653
0	7.68226
0	7.68226
0	5.46979
0	12.3629
0	6.0459
0	5.23881
0	5.24662
0	5.43601
0	6.54748

0	9.42989
0	5.42913
0	7.23534
0	5.36577
0	5.36577
0.2	6.73597
0	5.52643
0	7.52944
0	7.30763
0	5.40847
0	5.81872
0	7.6907
0	5.42221
0	5.44733
0	5.43397
0	5.40747
0	8.02049
0	5.48564
0	9.93922
0	5.4498
0	7.20432
0	5.68525
0	5.31946
0	5.66818
0	6.25682
0	5.32604
0	5.30674
0	5.47949
0	7.33034
0	5.2713
0	5.5058
0	8.12267
0	8.12267
0	7.98497
0	6.19719
0	6.77967
0	6.07109
0	7.07317
0	8.61149
0	7.08503
0	6.39377
0	6.08443
0	6.97192
0	6.07154
0	8.46191
0	5.32648
0	6.22769

0	5.24143
0	8.0695
0	5.53485
0	5.44891
0	6.72364
0	5.40145
0	5.40145
0	5.27874
0	7.51152
0	5.42455
0	6.20886
0	7.40687
0	5.37563
0	5.41265
0	5.41265
0	5.50207
0	5.51408
0	5.51408
0	5.80118
0	14.261
0	5.50467
0	5.65388
0	10.6196
0	6.21922
0	5.73509
0	5.6996
0	6.04081
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## Gene List G4+/- H3K9me3 Control Diet

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Y_random		11608280	11616797	NM_001017393	chrY_random	11611691	11612965
Y_random		11349402	11359374	NM_023546	chrY_random	11353499	11354195
Y_random		11349402	11359374	NM_023546	chrY_random	11350664	11352069
	4	11309021	11320619	NM_194055	chr4	11318984	11319444
Y_random		11275195	11283694	NM_001017394	chrY_random	11282196	11282729
Y_random		11275195	11283694	NM_001017394	chrY_random	11280728	11281690
	12	10923772	10932304	BC108372	chr12	10924496	10925107
	7	10746639	10755138	NM_134206	chr7	10753126	10753732
X		10450183	10484020	BC049545	chrX	10480025	10480586
X		10450183	10484020	BC049545	chrX	10473691	10474252
X		10450183	10484020	BC049545	chrX	10470524	10471085
	16	9903612	9912111	NM_008170	chr16	9907720	9908591

	13	9161607	9170106 BC051459	chr13	9166190	9166850
	7	9147598	9156244 NM_134230	chr7	9148811	9149409
X		7954650	7963149 NM_199319	chrX	7957547	7958323
	11	7091782	7100281 NM_008341	chr11	7094352	7094995
	18	7002255	7010754 NM_177595	chr18	7007063	7007730
	6	6829409	6838082 NM_010056	chr6	6836288	6837130
	11	6552536	6561039 NM_019511	chr11	6555647	6556348
X		6530286	6538785 NM_019461	chrX	6531110	6532109
	10	6359875	6368374 BC030437	chr10	6364480	6365306
	2	6028888	6037387 BC023193	chr2	6035971	6036815
	10	5908207	5919874 NM_025343	chr10	5916727	5917456
	10	5911422	5920028 NM_024261	chr10	5916727	5917456
	17	5791846	5800361 NM_025664	chr17	5794198	5794858
	19	5683131	5692269 NM_022012	chr19	5688704	5689360
	1	5572574	5581137 NM_011011	chr1	5579472	5580230
	7	5485130	5493629 NM_207544	chr7	5486564	5487205
	7	5404933	5414532 NM_030742	chr7	5409914	5410509
	7	5404933	5414532 NM_030742	chr7	5406052	5406685
	19	5363848	5372651 NM_001038231	chr19	5370364	5371001
X		5216983	5225736 NM_021431	chrX	5224533	5225543
	19	4956315	4964852 NM_025553	chr19	4961358	4961966
	19	4588361	4596860 NM_008797	chr19	4588375	4589003
X		4509172	4517671 BC117727	chrX	4513199	4514294
	8	4232828	4242604 NM_011944	chr8	4241107	4242061
	13	3847514	3856013 NM_001008706	chr13	3851934	3852900
	11	3789250	3797783 NM_173745	chr11	3796528	3797333
	11	3792602	3801101 NM_026150	chr11	3796528	3797333
	16	3793911	3802410 NM_029090	chr16	3795948	3796708
	8	3746431	3754984 NM_133238	chr8	3753038	3754172
	19	3343188	3351687 BC046383	chr19	3345749	3346656
	7	3242439	3251094 NM_146176	chr7	3247251	3248080
X		3241098	3249629 BC089532	chrX	3241473	3242062
	11	3090915	3099463 BC046305	chr11	3097688	3098373
	11	3096395	3105264 NM_023743	chr11	3097688	3098373
	11	3090915	3099463 BC046305	chr11	3095878	3097086
	11	3096395	3105264 NM_023743	chr11	3095878	3097086
	11	3090915	3099463 BC046305	chr11	3093222	3094310
	11	3090915	3099463 BC046305	chr11	3091251	3092126
	11	3042349	3050848 BC048950	chr11	3049477	3050458
	11	3042349	3050848 BC048950	chr11	3048098	3048872
	11	3042349	3050848 BC048950	chr11	3041998	3043357
	11	3018018	3032526 NM_001004146	chr11	3029167	3031395
Y_random		2540325	2550162 L04849	chrY_random	2545587	2546179
Y_random		1402748	1411247 NM_001037748	chrY_random	1404319	1405014

gene overlap percent	region overlap percent	length(bps)	probes in region	p-value(region)	
0.0694108		1	602	17	0.0259
0.102824		1	874	19	0.0170106
0.0558824		1	475	13	0.00651472
0.0709412		1	603	17	0.00652354
0.0434497		1	662	18	0.021239
0.0558545		1	737	21	0.012897
0.0525265		1	684	37	0.0085627
0.132833		1	1132	31	0.0179905
0.116		1	986	28	0.0109903
0.122824		1	1044	24	0.0117494
0.0432508		1	587	17	0.0285041
0.0865882		1	736	20	0.0269063
0.0848988		1	940	26	0.0154305
0.0827174		1	705	18	0.0268533
0.136471		1	1160	31	0.0179817
0.109765		1	933	19	0.0174608
0.0725257		1	713	20	0.0181582
0.0949412		1	807	21	0.0186967
0.0628007		1	731	21	0.0192175
0.101765		1	865	25	0.0183171
0.0699719		1	597	17	0.0219364
0.0691558		1	589	10	0.0252114
0.0416693		1	649	14	0.0197295
0.0513644		1	800	21	0.0235783
0.0715371		1	612	16	0.0224396
0.0964706	0.996355		823	19	0.0189351
0.0446792		1	702	20	0.0205946
0.104706		1	890	25	0.0116788
0.0863529		1	734	19	0.022369
0.132824		1	1129	31	0.016481
0.0965882		1	821	23	0.0173549
0.096		1	816	21	0.0182024
0.074		1	629	12	0.0264561
0.0835294		1	710	20	0.0119172
0.0935294		1	795	20	0.0109373
0.107155		1	918	23	0.0137092
0.0627991		1	538	13	0.0290779
0.0729768		1	670	15	0.0267386
0.0780704		1	670	15	0.0267386
0.0694118		1	590	17	0.0259
0.0991765		1	843	24	0.0159602
0.0888235		1	755	19	0.0150333
0.104471		1	888	21	0.0146625
0.07		1	595	17	0.0294222

0.0676328	1	588	17	0.028919
0.0690943	1	592	11	0.0181582
0.0692398	1	592	17	0.0291132
0.127348	1	1139	32	0.0162162
0.0729412	1	620	18	0.0287159
0.0804706	1	684	19	0.026871
0.0842499	1	720	20	0.0170283
0.0847059	1	720	20	0.0170283
0.0743529	1	632	13	0.0274536
0.0690588	0.928797	632	13	0.0274536
0.127059	1	1080	31	0.0197737
0.0659375	1	627	16	0.0246112
0.0725929	1	619	14	0.0254586
0.0717304	1	611	16	0.0197119
0.0692814	0.96563	611	16	0.0197119
0.0492406	1	629	18	0.0268269
0.0732769	1	623	17	0.0213096
0.104818	1	892	25	0.0171431
0.0995454	1	854	23	0.0159513
0.0827846	1	704	19	0.0284335
0.0811478	1	690	19	0.0247524
0.0741176	1	630	15	0.0259
0.0493747	1	683	19	0.0244964
0.0625585	1	802	23	0.0263766
0.0902353	1	767	20	0.0261471
0.0690058	1	590	17	0.0283982
0.102353	1	870	21	0.0177786
0.0724289	1	693	20	0.017196
0.0727804	1	623	12	0.0246376
0.0717647	1	610	17	0.0253968
0.0502617	1	989	28	0.0261825
0.0538669	1	459	13	0.0260324
0.0662353	1	563	16	0.0279038
0.06955	1	595	17	0.0288395
0.0435905	1	574	12	0.00796243
0.0316471	0.445364	604	17	0.0250878
0.0646288	1	666	19	0.0233312
0.0438824	1	373	11	0.0195265
0.0727465	1	619	18	0.0253262
0.0650106	1	615	13	0.0199767
0.0530588	1	451	13	0.022828
0.09563	1	976	26	0.0196236
0.112118	1	953	24	0.0137092
0.0661176	1	562	15	0.0299959
0.0661176	1	562	15	0.0299959
0.0761176	1	647	18	0.0295987
0.0787851	1	677	19	0.0188556

0.0664309	1	601	17	0.0296164
0.110471	1	939	26	0.015148
0.0807059	1	686	19	0.00912766
0.0702043	1	598	17	0.0286012
0.0969412	1	824	23	0.0269328
0.0791325	1	675	19	0.0196324
0.0295858	1	420	12	0.0287071
0.0762353	1	648	17	0.0244964
0.0192828	0.149635	1096	31	0.0140269
0.126808	1	1096	31	0.0140269
0.116862	1	998	25	0.0190763
0.116588	1	991	27	0.00918063
0.0710588	1	604	17	0.0296428
0.0442353	1	376	11	0.0151304
0.0771761	1	657	19	0.0254763
0.105882	1	900	18	0.0258911
0.0762873	1	683	19	0.0231281
0.0703996	1	606	17	0.0293604
0.109765	1	933	24	0.011873
0.0945914	1	808	23	0.019041
0.123059	1	1046	26	0.012182
0.0990665	1	849	19	0.0186791
0.0998471	1	849	19	0.0186791
0.0805882	1	685	15	0.0236754
0.093651	1	798	22	0.0236931
0.0455881	1	388	11	0.0273565
0.0855163	1	728	18	0.01423
0.0852858	1	728	18	0.01423
0.0725419	1	619	14	0.0257411
0.108645	1	940	20	0.0108049
0.0775049	1	666	14	0.0249289
0.0650588	0.83033	666	14	0.0249289
0.00101652	0.0128205	936	26	0.0254763
0.110118	1	936	26	0.0254763
0.102353	1	870	17	0.0251496
0.082659	1	715	20	0.0241521
0.0856471	1	728	20	0.0177522
0.0696129	1	597	15	0.0247524
0.0369884	0.647871	869	32	0.0144683
0.0571148	0.673102	777	21	0.0193146
0.079827	1	683	19	0.0187144
0.0415522	1	696	13	0.0186967
0.0978161	1	851	23	0.0245847
0.08831	1	800	22	0.0288395
0.0698824	1	594	13	0.0271446
0.0762543	1	649	18	0.0253615
0.102824	1	874	25	0.0119966



0.0719577	1	612	17	0.026871
0.0685882	1	583	10	0.0159513
0.0725882	1	617	14	0.00868629
0.0752941	1	640	18	0.0266415
0.0751765	1	639	13	0.0199767
0.068791	1	598	17	0.0264738
0.0834118	1	709	20	0.0173549
0.0697647	1	593	17	0.0288219
0.0762271	1	674	19	0.0219805
0.0745882	1	634	18	0.0259971
0.0919567	1	782	16	0.0170283
0.0733026	1	637	14	0.0107343
0.0602587	1	983	27	0.0265532
0.0786674	1	673	19	0.0164898
0.0683529	1	581	12	0.0261736
0.106118	1	902	20	0.0178404
0.129765	1	1103	30	0.0145478
0.0871765	1	741	21	0.0179728
0.041425	1	600	13	0.0288484
0.0723807	1	619	13	0.0275948
0.0725882	1	617	17	0.0282393
0.10425	1	888	23	0.0258382
0.0697756	1	597	16	0.0286983
0.0674626	1	582	17	0.0269504
0.0483871	1	753	21	0.0252732
0.0739758	1	948	14	0.0133914
0.0252941	0.226793	948	14	0.0133914
0.0694118	1	590	17	0.0279568
0.125882	1	1070	27	0.012641
0.125161	1	1070	27	0.012641
0.0708235	1	602	17	0.0277449
0.0944706	1	803	23	0.0195265
0.0781073	1	690	19	0.0264031
0.0804706	1	684	17	0.0152275
0.0729412	1	620	17	0.029687
0.0956471	1	813	23	0.0170901
0.0744706	1	633	18	0.0295987
0.139032	1	1184	32	0.0132148
0.0363006	1	597	13	0.0258911
0.07	1	595	17	0.0219629
0.0691765	1	588	17	0.0256705
0.0649372	1	776	17	0.0196854
0.113059	1	961	27	0.0189351
0.0716471	1	609	16	0.028354
0.0931765	1	792	22	0.0228456
0.0970588	1	825	21	0.0177875
0.060105	1	607	17	0.0279303

0.0889175	1	759	21	0.0241521
0.0707306	0.801054	759	21	0.0241521
0.0810588	1	689	18	0.0164369
0.0731765	1	622	18	0.0295546
0.0702785	1	598	17	0.0268533
0.0222885	1	635	18	0.0283805
0.0934118	1	794	22	0.0163751
0.0724706	1	616	16	0.0259
0.0353017	1	599	16	0.0253174
0.0526285	1	893	24	0.0129323
0.0886433	1	754	21	0.0194206
0.0364539	1	602	17	0.0278332
0.0976471	1	830	23	0.0151304
0.0958824	1	815	23	0.0235342
0.0704706	1	599	13	0.0146802
0.0778583	1	666	19	0.0237019
0.0828235	1	704	20	0.0278597
0.0445942	1	622	17	0.0268622
0.107412	1	913	26	0.0114052
0.0851654	1	798	22	0.0171254
0.0418916	1	357	10	0.0296075
0.0974118	1	828	23	0.0149538
0.0721492	1	615	14	0.0245935
0.0529391	1	453	13	0.0192705
0.0584706	1	497	14	0.0290249
0.0744706	1	633	13	0.0112639
0.0838824	1	713	19	0.0188379
0.0718824	1	611	17	0.0264031
0.10227	1	874	24	0.0120231
0.0507921	1	606	17	0.0252556
0.0575294	1	489	13	0.0281157
0.0508644	1	612	17	0.0296075
0.094404	1	803	20	0.0249996
0.074283	1	632	18	0.0225632
0.0411303	1	639	12	0.0258294
0.0643609	1	642	18	0.0255557
0.109478	1	931	23	0.00841263
0.0766167	1	654	19	0.0270652
0.0730998	1	1056	29	0.0089158
0.083833	1	713	20	0.0130471
0.0922518	1	787	21	0.0183966
0.100824	1	857	23	0.0119436
0.0706394	1	601	17	0.0257852
0.0711765	1	605	17	0.0252291
0.0692079	1	699	20	0.02206
0.0338288	1	503	14	0.0297488
0.0621176	1	528	15	0.0131442

0.0741176	1	630	18	0.0298812
0.087283	1	744	16	0.0261648
0.0797647	1	678	18	0.0237019
0.0663529	1	564	16	0.0255734
0.0547437	1	753	17	0.0180258
0.068997	1	604	16	0.0264384
0.0675369	1	595	11	0.0277891
0.0710588	0.94081	642	11	0.010699
0.0473191	1	616	17	0.0244964
0.073982	1	714	19	0.0285747
0.0592653	1	505	14	0.0264738
0.0363362	1	601	13	0.0152451
0.0688828	1	603	15	0.0296517
0.0357121	1	596	17	0.0253438
0.0621704	1	955	21	0.0136474
0.0815058	1	695	19	0.0262619
0.0723529	1	615	14	0.0150333
0.106267	1	958	23	0.0179199
0.0724706	1	616	10	0.0236578
0.0733514	1	624	18	0.025132
0.0841176	1	715	20	0.0144683
0.0967059	1	822	23	0.0268269
0.0348434	1	583	17	0.0270211
0.0789845	1	672	19	0.0234459
0.08467	1	739	21	0.0245847
0.0709078	1	603	10	0.0262442
0.0695125	1	596	17	0.0291926
0.0698619	1	602	13	0.0264649
0.0796471	1	677	20	0.0281422
0.0791765	1	673	19	0.0188556
0.104	1	884	25	0.0189439
0.0925882	1	787	18	0.0223336
0.0570588	1	485	14	0.0247436
0.0705882	1	600	17	0.0242845
0.0587292	1	586	17	0.0271446
0.0874656	1	762	22	0.0218393
0.0742353	1	631	14	0.0158013
0.0711765	1	605	17	0.028919
0.119412	1	1015	27	0.00803305
0.061465	1	605	17	0.0273388
0.0727059	1	618	13	0.0174344
0.0736471	1	626	18	0.0271711
0.0852239	1	725	16	0.0227132
0.0715294	1	608	15	0.0281157
0.136471	1	1160	33	0.0112286
0.067758	1	803	23	0.0195795
0.0736794	1	643	18	0.0260324

0.0589648	1	835	22	0.0228015
0.0956133	1	813	23	0.0259088
0.0695294	1	591	17	0.0293957
0.0718824	1	611	17	0.026871
0.0990412	1	847	24	0.0249113
0.0696471	1	592	12	0.0281598
0.0757509	1	691	15	0.0281157
0.07	1	595	17	0.0272682
0.0556332	1	836	24	0.0242051
0.0738041	1	648	19	0.0192617
0.0468235	1	398	11	0.0297223
0.0360548	1	590	17	0.0173549
0.0711765	1	605	11	0.0247524
0.110706	1	941	19	0.0285924
0.110941	1	943	27	0.00923359
0.0446607	0.431484	883	21	0.018017
0.0763247	1	883	21	0.018017
0.0590054	1	935	26	0.0150951
0.11	1	935	26	0.0150951
0.0512432	1	812	22	0.0192617
0.0712468	1	616	12	0.0277273
0.0834118	1	709	20	0.0195265
0.0844888	1	719	20	0.023799
0.115059	1	978	21	0.0120672
0.0843529	1	717	20	0.0253262
0.058	1	493	14	0.0246112
0.0697538	1	595	13	0.0284335
0.0741176	1	630	18	0.0232517
0.105803	1	908	18	0.0286453
0.0484223	0.878855	908	18	0.0286453
0.0950141	1	808	23	0.0176639
0.0660708	1	584	15	0.0296075
0.0736189	1	629	15	0.0233312
0.073861	1	629	15	0.0233312
0.0790541	1	682	19	0.0233753
0.0604472	0.760997	682	19	0.0233753
0.0807059	1	686	19	0.0251938
0.0788235	1	670	19	0.0225632
0.0716471	1	609	17	0.029069
0.0814138	1	1283	33	0.00944545
0.0653228	0.996711	608	17	0.0259529
0.101427	1	867	24	0.0260147
0.0598731	1	604	17	0.0268004
0.0890636	1	759	20	0.0262619
0.129294	1	1099	29	0.0154835
0.129294	1	1099	29	0.0154835
0.0486991	1	642	18	0.0193853

0.0723529	1	615	17	0.0215833
0.111823	1	1047	23	0.0129412
0.0890506	1	771	20	0.0149538
0.0747059	1	635	18	0.0188821
0.0722652	1	617	16	0.0280627
0.0757079	1	647	18	0.025026
0.0728235	1	619	12	0.0284864
0.0320169	1	908	26	0.00963966
0.0222849	1	632	18	0.0245758
0.0797647	1	678	19	0.0177963
0.0707934	1	605	12	0.0280804
0.0326564	1	714	20	0.0231546
0.0415347	1	669	14	0.0186261
0.0407276	1	656	15	0.0212214
0.0703028	1	620	16	0.0285217
0.0765882	1	651	18	0.0264826
0.0735363	1	628	13	0.0155541
0.0671304	1	608	15	0.02605
0.120287	1	1024	27	0.0177168
0.118656	1	1024	27	0.0177168
0.073447	1	629	18	0.0233312
0.0765882	1	651	19	0.025847
0.0695294	1	591	16	0.0233576
0.0844348	1	741	21	0.0267562
0.069286	1	589	14	0.0279744
0.0757647	1	644	15	0.0271711
0.0476471	1	405	11	0.0241345
0.071035	1	606	10	0.0211772
0.0918824	1	781	21	0.0201268
0.0444706	1	378	11	0.027639
0.100706	1	856	24	0.018988
0.0698824	1	594	17	0.021292
0.0948094	1	811	23	0.0219894
0.125338	1	1067	29	0.0112639
0.0741219	1	631	18	0.0240727
0.0535629	1	672	19	0.0283805
0.0867059	1	737	20	0.0024364
0.0613568	1	530	15	0.0251496
0.0454849	1	681	37	0.0264031
0.114353	1	972	27	0.0175138
0.0498459	1	469	10	0.0296781
0.0711765	1	605	14	0.0243022
0.0711012	1	605	14	0.0243022
0.0473468	1	820	17	0.024311
0.108716	1	1150	27	0.0113434
0.0373495	1	602	17	0.0259
0.0930588	1	791	19	0.024567

0.10201		1	873	25	0.0255998
0.105954		1	920	24	0.0195
0.0393628	0.531153		642	18	0.0245229
0.0752903		1	642	18	0.0245229
0.071356		1	632	18	0.0254145
0.0277008		1	690	16	0.0232341
0.104044		1	885	25	0.0183524
0.0920409		1	828	19	0.0214774
0.0364472		1	531	15	0.0283452
0.0624706		1	531	15	0.0283452
0.0768239		1	775	22	0.0170106
0.112		1	952	27	0.0095867
0.0962353		1	818	22	0.0227574
0.114588		1	974	23	0.0181317
0.0848235		1	721	13	0.0229604
0.0716446		1	616	15	0.0263766
0.0707059		1	601	15	0.0275066
0.0681176		1	579	10	0.028919
0.0722353		1	614	13	0.00783002
0.121281		1	1064	29	0.00948959
0.0669556		1	618	17	0.0294486
0.0653495		1	559	16	0.0242845
0.0421176		1	358	10	0.0299077
0.0384706	0.756944		432	12	0.0264738
0.112824		1	959	27	0.0144153
0.111099		1	995	28	0.0171431
0.0725504		1	619	18	0.0241168
0.0811765		1	690	13	0.0252732
0.0595294		1	506	14	0.0298017
0.107765		1	916	24	0.01423
0.0520952		1	731	21	0.0251585
0.0737743		1	629	18	0.0284864
0.0895294		1	761	21	0.0254763
0.07052		1	632	18	0.0232605
0.0795294		1	676	19	0.0257587
0.0555294		1	472	10	0.0299077
0.0723529		1	615	18	0.0279921
0.109035		1	928	26	0.0250702
0.109294		1	929	24	0.00874808
0.0874118		1	743	21	0.0193676
0.103059		1	876	24	0.0230398
0.101081		1	860	21	0.0193853
0.0739304		1	629	17	0.0267386
0.0638611		1	607	17	0.0281245
0.0864934		1	739	21	0.0194294
0.0748235		1	636	18	0.0201709
0.129647		1	1102	29	0.00800657

0.110802	1	955	27	0.0206211
0.062448	1	1351	33	0.00466976
0.0195526	1	423	11	0.020577
0.0550985	1	1192	26	0.00343391
0.049918	1	426	11	0.0248142
0.0958824	1	815	16	0.0167811
0.0843936	1	723	16	0.0174079
0.105721	1	900	25	0.0161367
0.0702455	1	598	15	0.0223248
0.0718556	1	613	15	0.0296428
0.0700786	1	597	17	0.0296428
0.11938	1	1017	27	0.0133737
0.0927059	1	788	22	0.024823
0.0354226	1	629	17	0.0264738
0.0705882	1	600	17	0.0297046
0.107466	1	914	26	0.0151304
0.0816216	1	755	21	0.0239226
0.0722353	1	614	16	0.0224572
0.0687059	0.837877	697	20	0.0227662
0.0462353	1	393	12	0.0297488
0.0832757	1	722	16	0.0183789
0.100824	1	857	22	0.019041
0.0506229	1	642	18	0.0252732
0.0758824	1	645	18	0.0246376
0.0912438	1	1016	26	0.0210007
0.0279314	1	1187	31	0.011361
0.0189425	1	805	21	0.0154305
0.0904706	1	769	22	0.0127558
0.0761176	1	647	18	0.0216981
0.0954944	1	816	21	0.0185202
0.0769591	1	658	19	0.0269063
0.0894118	1	760	21	0.0235165
0.11051	1	940	26	0.00209212
0.0711765	1	605	17	0.0299077
0.0796471	1	677	15	0.0293427
0.041623	1	636	16	0.0168606
0.0729448	1	622	12	0.0259794
0.115119	1	999	25	0.0167635
0.121141	1	1032	29	0.0132325
0.0781468	1	673	15	0.0201709
0.0751676	1	639	18	0.0290602
0.0775294	1	659	15	0.0155806
0.0945882	1	804	22	0.0263413
0.0690588	1	587	15	0.0255292
0.0427876	1	369	10	0.0281775
0.0728235	1	619	18	0.0278508
0.109176	1	928	25	0.0197295

0.0450674	1	635	18	0.0252291
0.0459331	1	637	18	0.0259
0.0709354	1	637	18	0.0259
0.0537177	1	846	24	0.0173549
0.0612674	1	525	15	0.0197207
0.1	1	850	23	0.0226073
0.0832656	1	717	15	0.0198531
0.108493	1	944	27	0.0131177
0.069555	1	594	14	0.0298459
0.0791942	1	684	19	0.0251761
0.0755294	1	642	18	0.0267297
0.121529	1	1033	24	0.0188997
0.0808235	1	687	19	0.0252732
0.10016	1	874	22	0.0216451
0.0972941	1	827	23	0.0191999
0.00988235	0.138843	605	12	0.0256793
0.0804368	1	685	19	0.0216451
0.080239	1	685	19	0.0216451
0.0386433	1	916	26	0.0259794
0.0695273	1	606	16	0.0275595
0.100123	1	893	20	0.0255557
0.0573263	1	491	13	0.0272417
0.0496691	1	608	17	0.0287159
0.109806	1	935	26	0.0230575
0.0470756	1	528	15	0.0276566
0.0698803	1	619	12	0.0252026
0.124614	1	1090	28	0.0178757
0.127904	1	1090	28	0.0178757
0.0702469	1	811	23	0.00871277
0.0949188	1	1076	27	0.00707085
0.0649412	1	552	14	0.0278773
0.0510867	1	590	16	0.0292809
0.123176	1	1047	22	0.0140623
0.0471674	1	726	20	0.0251938
0.083715	1	859	23	0.0133031
0.0782353	1	665	19	0.0178228
0.0698824	1	594	17	0.0298282
0.0721176	1	613	17	0.0238785
0.0914634	1	780	22	0.0259
0.0751287	1	686	18	0.0262884
0.11	1	935	25	0.0170283
0.0758427	1	648	13	0.0197737
0.0721176	1	613	13	0.0288748
0.0707059	1	601	15	0.0271535
0.106941	1	909	20	0.0189968
0.0722353	1	614	18	0.0282393
0.072	1	612	14	0.0264649



0.0723529	1	615	17	0.0252644
0.0692941	1	589	17	0.0160661
0.0835294	1	710	20	0.013665
0.0737259	1	651	18	0.0251496
0.062672	1	592	17	0.0262707
0.0967855	1	825	16	0.0181759
0.0525744	1	726	17	0.0253703
0.146344	1	1247	35	0.00759167
0.0545882	1	464	10	0.0237284
0.13214	1	1129	30	0.0108137
0.0757469	1	644	18	0.0195265
0.0423365	1	719	20	0.0222807
0.105971	1	930	19	0.0192617
0.087196	1	760	18	0.0259529
0.0556471	1	473	14	0.0275331
0.0221242	1	632	18	0.0259
0.0241546	1	690	19	0.0210978
0.0242816	1	954	27	0.0116435
0.0236962	1	931	26	0.017302
0.0390186	1	1533	42	0.0181229
0.0187584	1	737	21	0.0242492
0.0424124	1	865	24	0.019447
0.0370679	1	756	22	0.0220423
0.0412846	1	842	24	0.0232958
0.0354989	1	724	20	0.0261913
0.038686	1	789	22	0.026562
0.0975294	1	829	23	0.0260854
0.0791765	1	673	19	0.0255557
0.0789412	1	671	19	0.0232164
0.0434863	1	705	20	0.0258911
0.0444732	1	721	20	0.0242934
0.0723678	1	1530	43	0.0146802
0.106906	1	918	26	0.0151922
0.121854	1	1036	27	0.00969263
0.0454638	1	667	19	0.0207005
0.0451912	1	663	19	0.0262619
0.102824	1	874	25	0.0229604
0.0696471	1	592	17	0.0274536
0.0795294	1	676	15	0.011467
0.0708235	1	602	14	0.0251496
0.055143	1	594	17	0.0252556
0.0852941	1	725	21	0.0255557
0.0702208	1	598	17	0.0269063
0.0866957	1	737	15	0.0234459
0.0328501	0.381275	737	15	0.0234459
0.0868902	1	741	21	0.0159778
0.116471	1	990	28	0.00884518

0.0671765	1	571	16	0.0249201
0.0720772	1	635	18	0.0247347
0.0687059	0.940419	621	12	0.0236489
0.0972941	1	827	24	0.0231899
0.068788	1	588	17	0.0271888
0.0688406	1	589	11	0.0272947
0.0324805	1	617	10	0.0275595
0.0738824	1	628	18	0.0261648
0.0423536	1	596	17	0.0186349
0.0537641	1	867	22	0.0164192
0.0198943	0.369089	867	22	0.0164192
0.115277	1	987	26	0.0190145
0.114888	1	987	26	0.0190145
0.0742353	1	631	18	0.0261648
0.0681685	1	581	13	0.017708
0.0599473	1	546	12	0.0250084
0.070992	1	604	15	0.0246906
0.0663153	1	604	15	0.0246906
0.0873419	1	808	22	0.0183171
0.0669412	1	569	11	0.0241345
0.0707141	1	608	15	0.0275331
0.0483347	1	595	12	0.0180258
0.0569456	1	701	15	0.0271711
0.0706109	1	660	18	0.0259
0.0795294	1	676	19	0.0160043
0.0697647	1	593	11	0.0280362
0.0722255	1	615	17	0.0270917
0.0831765	1	707	20	0.0186967
0.0912941	1	776	22	0.0124645
0.0912941	1	776	22	0.0124645
0.0896552	1	767	22	0.0261471
0.132588	0.844828	1334	35	0.00454618
0.0554287	1	704	18	0.0192705
0.044943	1	587	16	0.0292809
0.103064	1	898	22	0.0141682
0.0431284	1	418	12	0.0257411
0.0586848	1	672	15	0.00752988
0.0554537	1	635	18	0.0188733
0.0411087	0.364293	969	23	0.0215745
0.0697155	1	593	17	0.0241609
0.0790588	1	672	19	0.0246641
0.0622526	1	1038	25	0.0173196
0.0736238	1	654	18	0.026306
0.0548218	1	689	17	0.0188379
0.0694118	1	590	15	0.0297576
0.126118	1	1072	28	0.0104253
0.0820129	1	735	20	0.0165957

0.0838852	1	722	21	0.017302
0.0852139	1	759	21	0.0213538
0.0963529	1	819	33	0.0286012
0.0709341	1	625	18	0.026156
0.0304515	1	522	10	0.028919
0.0848235	1	721	18	0.0209212
0.0901176	1	766	21	0.0244523
0.0749357	1	641	18	0.0263943
0.0718824	1	611	16	0.0241345
0.0518121	1	589	15	0.024567
0.127354	1	1089	27	0.0188644
0.128118	1	1089	27	0.0188644
0.0349435	1	761	21	0.0161809
0.071035	1	606	17	0.0292015
0.0824706	1	701	19	0.0251496
0.0877666	1	749	21	0.0166222
0.0752941	1	640	19	0.0277096
0.0563789	1	700	14	0.0246376
0.0882353	1	750	16	0.0219629
0.0721176	1	613	18	0.02989
0.0698824	1	594	15	0.018476
0.0703529	1	598	17	0.0284953
0.0718654	1	611	13	0.0207712
0.0849412	1	722	19	0.0175226
0.0697265	1	594	17	0.0265267
0.048	1	408	12	0.0299077
0.041282	1	626	17	0.0279921
0.0736471	1	626	17	0.0279921
0.0390956	1	600	17	0.0277184
0.0475927	1	602	17	0.0278332
0.107318	1	918	26	0.0187144
0.0684258	1	682	19	0.0267562
0.0822949	1	700	20	0.0256351
0.0727956	1	620	14	0.0170724
0.0990588	1	842	20	0.0191911
0.102588	1	872	19	0.0145566
0.0840257	1	718	20	0.0251496
0.0646361	1	991	24	0.0256087
0.105412	1	896	25	0.0174079
0.0743529	1	632	17	0.0251761
0.100118	1	851	23	0.025132
0.0845683	1	719	16	0.0245847
0.072531	1	625	15	0.0269063
0.127059	1	1080	30	0.0118995
0.043316	1	383	11	0.0241874
0.0989602	1	847	24	0.0150156
0.125292	1	1073	30	0.0220688

0.0705979	1	601	17	0.0248583
0.0702513	1	601	17	0.0264826
0.0906141	1	782	22	0.0286012
0.0905882	1	770	22	0.0265179
0.108706	1	924	24	0.0264738
0.0835294	0.889724	798	22	0.0227309
0.0749412	1	637	13	0.0251761
0.0831471	1	707	17	0.0190763
0.100471	1	854	24	0.0193764
0.0937647	1	797	22	0.0196236
0.102706	1	873	19	0.013718
0.05	1	425	12	0.029431
0.0708235	1	602	17	0.0286188
0.0811765	1	690	19	0.0254851
0.0707059	1	601	18	0.0298194
0.0689017	1	596	15	0.026818
0.0325882	0.424847	652	14	0.0298017
0.0952941	1	810	23	0.0244964
0.0696471	1	592	17	0.0282393
0.0472828	1	596	17	0.02989
0.0475967	1	406	10	0.0252203
0.0725882	1	617	17	0.0277096
0.0830588	1	706	19	0.0255557
0.186199	1	1843	84	0.0153952
0.049808	1	493	29	0.0297929
0.0619317	1	613	34	0.0262442
0.139523	1	1381	70	0.0125527
0.0241463	1	239	14	0.0193941
0.111969	1	1102	34	0.0182553
0.0654339	1	644	31	0.0264826
0.0735623	1	724	36	0.0206211
0.0977444	1	962	67	0.0132766
0.0715294	1	608	15	0.0297576
0.0459028	0.363383	1076	52	0.0185378
0.0699555	1	597	15	0.0170106
0.149683	1	1275	58	0.0146449
0.0698887	1	697	18	0.0198619
0.140981	1	1406	57	0.014486
0.0397448	1	461	13	0.0262884
0.0628235	1	534	24	0.0185025
0.113294	1	963	51	0.00494342
0.0717216	1	612	17	0.0279303
0.0714118	1	607	17	0.00963966
0.0166085	1	562	16	0.0178581
0.0166085	1	562	16	0.0166311
0.0166085	1	562	16	0.0184231
0.102588	1	872	21	0.0114581

0.0777647	1	661	19	0.0205681
0.0692726	1	599	16	0.0261383
0.0914118	1	777	22	0.0250437
0.0757647	1	644	18	0.0277096
0.0785882	1	668	18	0.0238078
0.097187	1	843	23	0.0149273
0.0825494	1	702	20	0.0241168
0.117647	1	1000	28	0.0186437
0.0972941	1	827	13	0.0253262
0.0994118	1	845	24	0.0138151
0.0625643	1	730	14	0.0264738
0.0848147	1	730	14	0.0264738
0.0776186	1	661	19	0.0202062
0.0718897	1	657	19	0.0281686
0.0886268	1	759	19	0.0257411
0.0755294	1	642	18	0.0294398
0.0620833	1	596	15	0.029943
0.0660417	1	634	16	0.0219276
0.0724671	1	638	18	0.0257146
0.11549	1	1011	29	0.0181317
0.0713282	1	609	17	0.0299341
0.074	1	629	13	0.0113963
0.128941	1	1096	30	0.00470507
0.0976782	1	955	21	0.00833319
0.113765	1	967	25	0.0171431
0.0944458	1	806	23	0.0144683
0.0948235	1	806	23	0.0144683
0.0895294	1	761	22	0.0137092
0.132686	1	1135	32	0.00762698
0.106824	1	908	22	0.0190498
0.0958872	1	830	23	0.0177257
0.0691514	1	590	17	0.0196236
0.0802433	1	686	19	0.014998
0.0773393	1	686	19	0.014998
0.14142	1	1209	34	0.0147861
0.0780158	0.572374	1209	34	0.0147861
0.127383	1	1089	38	0.0056761
0.102468	1	876	13	0.0258294
0.115529	1	982	35	0.00316026
0.0911765	1	775	17	0.0114846
0.118706	0.741912	1360	39	0.0188644
0.153629	1	2229	85	0.00792712
0.0602765	1	593	29	0.0268357
0.0818824	1	696	21	0.0132325

Fraction of negatively enriched windows in region

MAT-score on T(H3K9me3HETC vs. control)

0	7.12048
0	8.62136
0	13.366
0	13.351
0	7.77014
0	9.72223
0	11.6343
0	8.36671
0	10.4333
0	10.1502
0	6.84645
0	7.00832
0	9.00326
0	7.01717
0	8.36799
0	8.47349
0	8.33386
0	8.2176
0	8.12298
0	8.29359
0	7.6701
0	7.22334
0	8.02847
0	7.43759
0	7.60594
0	8.17563
0	7.8782
0	10.1703
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## Gene List G4+/- H3K9me3 High Fat Diet

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0.0612269		1	1037	22	0.0289808
0.120947		1	1037	22	0.0289808
0.0831282		1	709	16	0.0235165
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0.0849412		1	722	12	0.0407126
0.171176		1	1455	39	0.00578203
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0.0754118		1	641	13	0.0455765
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0.0689936	1	593	17	0.0481012
0.0754318	1	642	18	0.039821
0.0753698	1	642	18	0.039821
0.0643876	1	614	11	0.0366607
0.110118	1	936	25	0.0220512
0.0522187	1	446	10	0.0405448
0.0715126	0.977492	622	16	0.0292544
0.100588	1	855	22	0.00396356
0.0567059	1	482	14	0.0429106
0.0905882	1	770	22	0.0269151
0.211765	1	1800	50	0.0151039
0.0985882	1	838	23	0.0300577
0.0885218	1	1163	32	0.0339948
0.13596	1	1163	32	0.0339948
0.126706	1	1077	30	0.0118289
0.167882	1	1427	35	0.0141593
0.0775294	1	659	14	0.00818312
0.0997647	1	848	24	0.0203563
0.0863529	1	734	18	0.0308257
0.100941	1	858	22	0.0443407
0.164235	1	1396	39	0.0125527
0.129647	1	1102	30	0.0161897
0.0615294	1	523	15	0.0432637
0.139882	1	1189	34	0.0235872
0.182118	1	1548	37	0.0167105
0.0935294	1	795	20	0.00844794
0.0825882	1	702	20	0.0457707
0.0714118	1	608	17	0.0458943
0.0724348	1	617	18	0.0325559
0.112758	1	966	27	0.022007
0.170538	1	1461	36	0.0220688
0.102603	1	879	20	0.00997511
0.0927363	1	789	21	0.0223425
0.0803529	1	683	19	0.0473332

0.0539485	1	677	17	0.0442259
0.129176	1	1098	29	0.022113
0.118588	1	1008	24	0.0127381
0.0888235	1	755	19	0.00664713
0.0491738	1	619	16	0.0480924
0.119082	1	1499	38	0.0125969
0.0759049	1	648	14	0.0425399
0.0870588	1	740	21	0.0453735
0.0937647	1	797	18	0.0344362
0.0513516	1	644	18	0.0474215
0.016951	0.236025	644	18	0.0474215
0.0784706	1	667	19	0.0493724
0.0831279	1	708	14	0.0231016
0.106748	1	908	23	0.031373
0.0741176	1	630	18	0.04811
0.104353	1	887	25	0.0493017
0.0710363	1	608	17	0.0428665
0.0337166	1	607	15	0.0415247
0.045745	1	673	20	0.04811
0.0643345	1	800	23	0.0407302
0.0697079	1	599	17	0.0484984
0.0505311	1	628	18	0.0311788
0.0768235	1	653	18	0.0456471
0.123412	1	1049	30	0.0317614
0.0709412	1	603	17	0.0473509
0.0724706	1	616	18	0.0465122
0.0858824	1	730	20	0.0194117
0.0979885	1	833	23	0.0247436
0.111411	1	990	26	0.0432284
0.0724706	1	616	12	0.0430695
0.0770588	1	655	17	0.0450557
0.0948235	1	806	17	0.032759
0.105412	1	896	23	0.029069
0.0506055	1	794	19	0.0323617
0.0452518	1	710	20	0.0376847
0.0835294	1	710	20	0.0376847
0.0828584	1	916	25	0.0338359
0.107655	1	924	26	0.0169842
0.0723005	1	616	17	0.0487279
0.0896714	1	764	21	0.0362723
0.0832941	1	708	20	0.0214509
0.0862109	1	1121	27	0.0237372
0.0609412	1	518	15	0.048878
0.129176	1	1098	29	0.0188379
0.0445283	1	732	18	0.0282128
0.0712663	1	1129	22	0.00991331
0.0762005	1	649	16	0.0469007



0.0772016	1	661	19	0.0203828
0.0941094	1	802	23	0.0244611
0.102118	1	868	14	0.0191734
0.08	1	680	17	0.0489133
0.0744706	1	633	17	0.0467594
0.0241597	0.305761	677	13	0.0493547
0.0660598	1	566	16	0.0223425
0.0745882	1	634	15	0.0460002
0.0710101	1	606	10	0.0419837
0.0810747	1	691	19	0.0333239
0.120718	1	1029	25	0.0303049
0.0696471	1	592	14	0.0497608
0.0739196	1	638	13	0.0474038
0.111022	1	1112	31	0.0281422
0.0469412	1	399	11	0.04796
0.044	1	374	10	0.0448174
0.0411779	1	351	10	0.0490899
0.0722085	1	615	15	0.0457531
0.0872941	1	742	20	0.0234547
0.0782353	1	665	19	0.0490104
0.0770588	1	655	18	0.040483
0.0731765	1	622	12	0.0497519
0.0698111	1	595	17	0.0330061
0.0723529	1	615	17	0.0351071
0.0576471	1	490	13	0.0480659
0.0797546	1	1066	30	0.00861567
0.0738285	1	657	15	0.0381879
0.0915063	1	780	22	0.00254233
0.0737647	1	627	18	0.0398122
0.119412	1	1015	17	0.0260589
0.0859046	1	735	21	0.0425575
0.0555471	1	1093	31	0.00793595
0.0310515	1	611	17	0.0430695
0.0629412	1	535	15	0.0475804
0.0700326	1	602	10	0.049699
0.0943929	1	803	22	0.041816
0.0747059	1	635	18	0.0326177
0.0758824	1	645	18	0.0271623
0.0359951	1	618	12	0.0448174
0.0774292	1	659	18	0.0179993
0.101046	1	860	22	0.034445
0.0994412	1	872	19	0.0336682
0.061083	1	520	14	0.033986
0.0276471	0.389073	604	17	0.0451263
0.0765882	1	651	19	0.0475716
0.0708235	1	602	16	0.0464858
0.0793331	1	709	20	0.0305609

0.104424	1	923	22	0.00874808
0.072067	1	637	11	0.0269151
0.0529678	1	456	13	0.0463357
0.0733966	1	626	18	0.0481807
0.0697647	1	593	17	0.049134
0.135557	1	1154	31	0.0235165
0.0704815	1	606	17	0.0461856
0.0702353	1	597	15	0.0499108
0.160941	1	1368	32	0.00346039
0.110803	1	959	20	0.0233312
0.0848562	1	729	20	0.0458943
0.131059	1	1114	27	0.00594975
0.129412	0.990991	1110	26	0.0167282
0.0758824	1	645	16	0.0438993
0.0530588	1	451	13	0.0461503
0.0721176	1	613	16	0.0467859
0.0789412	1	671	14	0.0402006
0.0800608	1	685	19	0.0400858
0.0811765	1	690	15	0.0316114
0.0752789	1	641	18	0.0379407
0.0805882	1	685	19	0.0287866
0.105294	1	895	24	0.0229163
0.0818824	1	696	20	0.0451263
0.0838824	1	713	20	0.0457266
0.0743529	1	632	17	0.0476422
0.13	1	1105	30	0.0176021
0.0782273	1	669	19	0.0400858
0.0687769	1	591	13	0.0495666
0.122	1	1037	27	0.0117583
0.0878824	1	747	17	0.00278067
0.14	1	1190	30	0.0151039
0.0742353	1	631	18	0.0486397
0.118118	1	1004	27	0.0129588
0.0805882	1	685	19	0.0462739
0.0724706	1	616	17	0.0316908
0.0601176	0.51773	987	21	0.0335976
0.0702353	1	597	17	0.0432549
0.056129	1	522	10	0.0371021
0.0808875	1	689	19	0.0426723
0.0700935	1	600	14	0.0239667
0.118288	1	1009	23	0.00718561
0.00799812	0.102256	665	17	0.0485426
0.0782353	1	665	17	0.0485426
0.0891765	1	758	20	0.022572
0.0455467	1	741	13	0.0441288
0.0680257	1	604	15	0.0167282
0.0689048	1	587	17	0.0399799

0.0776288	1	660	19	0.0314701
0.0684706	1	582	13	0.0424516
0.109176	1	928	21	0.0291132
0.146941	1	1249	33	0.0320263
0.0503509	1	452	12	0.048366
0.0406407	1	680	19	0.0388676
0.0685423	1	631	16	0.0442965
0.135891	1	1162	32	0.0161985
0.114862	1	980	26	0.0204622
0.0979902	1	1175	32	0.0164104
0.110588	1	940	27	0.0232782
0.0703529	1	598	17	0.0490546
0.104528	1	891	25	0.0408097
0.0716551	1	610	12	0.035469
0.119412	1	1015	27	0.0212567
0.0878111	1	755	21	0.0389559
0.0708235	1	602	17	0.0410568
0.0788235	1	670	18	0.0331209
0.134499	1	1154	26	0.015404
0.126336	1	1076	30	0.0323176
0.108262	1	929	20	0.04555
0.0717478	1	610	10	0.0495136
0.108941	1	926	26	0.016428
0.0639609	1	851	24	0.0343303
0.0712941	1	606	17	0.0490546
0.0507003	1	695	19	0.0118024
0.0877894	1	747	21	0.0337388
0.0506337	1	795	20	0.0498049
0.072629	1	618	12	0.0447114
0.103176	1	877	21	0.0317967
0.113882	1	968	27	0.0165869
0.0730823	1	625	14	0.0440935
0.0766628	1	657	18	0.0407302
0.0766799	1	655	19	0.0340831
0.0412817	1	353	10	0.0482689
0.0701858	1	597	17	0.0489486
0.0914648	1	778	22	0.0234724
0.0588028	1	500	12	0.0335269
0.083314	1	718	20	0.0290867
0.0795127	1	718	20	0.0290867
0.0734258	1	625	18	0.0494695
0.0931298	1	793	22	0.0292015
0.0735294	1	625	12	0.0327678
0.0930588	1	791	22	0.0319203
0.0761176	1	647	12	0.0411451
0.0722594	1	615	17	0.029431
0.0640862	1	654	18	0.0464593

0.0944327	1	804	23	0.0477216
0.0917647	1	780	22	0.0339948
0.0757647	1	644	18	0.0496813
0.102353	1	870	17	0.0435021
0.0694683	1	648	16	0.0440141
0.0616972	1	831	18	0.0454971
0.0714118	1	607	17	0.0475804
0.0702489	1	604	15	0.0373581
0.0674818	1	574	16	0.0486573
0.0708235	1	602	17	0.044579
0.0828048	1	705	20	0.0356632
0.0488235	1	415	12	0.0459738
0.0745743	1	635	18	0.0476245
0.0921486	1	784	21	0.0203916
0.0850588	1	723	19	0.0434314
0.0884253	1	835	22	0.0166664
0.0717225	1	610	17	0.0408097
0.0695106	1	598	17	0.039512
0.115059	1	978	18	0.0328737
0.0730588	1	621	13	0.0449674
0.0635294	1	540	14	0.0455589
0.0724706	1	616	18	0.0387617
0.0937647	1	797	22	0.0233312
0.107529	1	914	20	0.0331562
0.119765	1	1018	28	0.0314701
0.0853969	1	1007	29	0.0135591
0.140824	1	1197	33	0.0124998
0.0964706	1	820	23	0.0286453
0.0902353	1	767	22	0.048366
0.0775623	1	784	16	0.0169842
0.0864383	1	747	21	0.0325824
0.0927546	1	795	21	0.0435903
0.132684	1	1131	28	0.0150333
0.109608	1	932	23	0.0336064
0.0691824	1	594	14	0.0485337
0.0818707	1	709	15	0.0461238
0.0365081	1	634	18	0.0475362
0.0710588	1	604	17	0.0495666
0.0780333	1	665	19	0.0320704
0.0832066	1	711	17	0.0310729
0.0833138	1	711	17	0.0310729
0.0842353	1	716	20	0.0489222
0.0993323	1	848	18	0.0438287
0.120941	1	1028	22	0.0271535
0.0526681	1	607	17	0.0442083
0.0791021	1	740	21	0.0490104
0.0858768	1	740	21	0.0490104

0.134824	1	1146	21	0.00555251
0.0919027	1	782	18	0.0338183
0.0689412	1	586	17	0.0407655
0.0961176	1	817	23	0.0415777
0.113137	1	962	21	0.0341096
0.0745516	1	636	18	0.0496195
0.0765252	1	651	16	0.0306227
0.0721176	1	613	16	0.0422839
0.0954225	1	813	18	0.0490281
0.0815789	1	713	18	0.0471831
0.0523529	1	445	10	0.048878
0.00587061	0.11236	445	10	0.048878
0.0703107	1	602	17	0.0414805
0.0744093	1	633	18	0.0444289
0.0832355	1	709	13	0.0496195
0.0987059	1	839	24	0.0261648
0.0849562	1	746	21	0.046062
0.0777647	1	661	16	0.0298459
0.0519632	1	446	12	0.0454088
0.0625882	1	532	15	0.0487633
0.0690952	1	588	16	0.0417983
0.111521	1	967	27	0.0351954
0.122217	1	1043	24	0.0335534
0.0485158	1	608	17	0.0229251
0.102471	1	871	25	0.0296428
0.119564	1	1020	26	0.0215833
0.101993	1	870	24	0.0313995
0.0376411	1	637	17	0.0454088
0.0877706	1	750	21	0.0421691
0.125647	1	1068	24	0.0309317
0.030755	1	664	14	0.0222542
0.0815199	1	723	13	0.0211243
0.0707736	1	602	17	0.0398033
0.0527574	1	883	20	0.0146007
0.115765	1	984	28	0.0234547
0.0727059	1	618	17	0.0468212
0.0611968	1	587	13	0.0313465
0.0754118	1	641	15	0.0453294
0.0765522	1	651	12	0.0492576
0.135647	1	1153	32	0.0166752
0.104252	1	890	21	0.0332886
0.0576742	1	614	14	0.0442965
0.0707059	1	601	15	0.0338271
0.0629404	1	661	15	0.0321852
0.0802704	1	843	24	0.0290867
0.0664801	1	594	15	0.0465652
0.0695294	1	591	17	0.0484102

0.112353	1	955	27	0.0283717
0.0829412	1	705	19	0.0306139
0.0803529	1	683	19	0.0462209
0.135882	1	1155	33	0.0156689
0.101765	1	865	25	0.0482601
0.117529	1	999	29	0.0248407
0.0648998	1	813	22	0.0212125
0.086	1	731	18	0.0495136
0.136118	1	1157	32	0.0116965
0.121412	1	1032	29	0.048878
0.114588	1	974	27	0.0320174
0.140588	1	1195	33	0.0308875
0.10101	1	870	24	0.0290867
0.0854118	1	726	20	0.0480041
0.0774118	1	658	19	0.0413658
0.0874447	1	771	22	0.0363076
0.067143	1	592	12	0.0438287
0.0885475	1	951	27	0.0313642
0.0296151	0.909774	532	15	0.0319468
0.0706656	1	602	15	0.0454088
0.054	1	459	12	0.0323617
0.0723807	1	619	13	0.0462651
0.0406294	1	346	10	0.0464593
0.150012	1	1279	30	0.0343391
0.0720439	1	669	17	0.0458943
0.100329	1	855	17	0.0325559
0.0408325	1	618	17	0.0463887
0.11235	1	957	25	0.0234459
0.0423808	1	361	10	0.0477128
0.0964365	1	866	24	0.0226956
0.0632299	1	666	17	0.0366872
0.0552598	1	602	17	0.0440229
0.0934118	1	794	28	0.0447114
0.143765	1	1222	26	0.046371
0.0752322	1	640	14	0.0345245
0.0445958	1	694	19	0.0199767
0.0810588	1	689	18	0.0421338
0.0690588	1	587	14	0.0464416
0.0731765	0.992025	627	17	0.0301637
0.0725882	1	617	17	0.0385057
0.0854118	1	726	20	0.0406861
0.0579285	1	533	15	0.048163
0.0762363	1	649	11	0.0365548
0.118235	1	1005	29	0.0305079
0.0334511	1	502	12	0.0453117
0.0774892	1	737	19	0.0158542
0.0595923	1	994	28	0.0237725

0.164353	1	1397	39	0.0231105
0.0705882	1	600	11	0.0369167
0.0804706	1	684	17	0.0481012
0.0987059	1	839	23	0.0317438
0.126	1	1071	31	0.0341802
0.0712941	1	606	17	0.0473067
0.116824	1	993	28	0.0234018
0.118824	1	1010	28	0.0211861
0.0787059	1	669	17	0.0485867
0.0612389	1	522	15	0.0305521
0.117412	1	998	28	0.0331209
0.102941	1	875	25	0.0322823
0.103765	1	882	25	0.0381349
0.0852941	1	725	17	0.0297046
0.0816446	1	697	20	0.0424074
0.0787059	1	669	17	0.0472714
0.107412	1	913	26	0.0383379
0.0845882	1	719	20	0.0490546
0.0691765	1	588	17	0.0419837
0.0705882	1	600	17	0.0489928
0.0831765	1	707	20	0.0452587
0.0862353	1	733	21	0.0435639
0.104353	1	887	21	0.0345245
0.127059	1	1080	28	0.028663
0.0928235	1	789	19	0.0327678
0.0715965	1	609	12	0.0495842
0.0752941	1	640	14	0.0484984
0.0631765	1	537	15	0.0247259
0.0837835	1	729	17	0.023543
0.0945882	1	804	23	0.0446496
0.0479491	1	595	12	0.0482513
0.0554724	1	667	18	0.0355838
0.0925882	1	787	21	0.0298282
0.140139	1	1193	20	0.00909235
0.0732941	1	623	18	0.0328737
0.0811765	1	690	19	0.0455942
0.0575778	1	522	13	0.0423633
0.119126	1	1080	30	0.0127646
0.0782353	1	665	19	0.0437492
0.123294	1	1048	29	0.0165869
0.0750588	1	638	18	0.0320086
0.0809412	1	688	20	0.0458943
0.109647	1	932	27	0.0283717
0.150364	1	1279	35	0.0337123
0.0970018	1	825	23	0.040589
0.12	1	1020	23	0.0340125
0.0708251	1	612	15	0.0467064

0.0321057	1	503	11	0.0395032
0.0685882	1	583	15	0.0493459
0.0725882	1	617	16	0.0444643
0.0292734	1	834	24	0.0308257
0.0412077	1	722	16	0.0292015
0.0251981	1	617	18	0.0480394
0.0702353	1	597	17	0.0464593
0.0370486	1	593	11	0.0304903
0.0456471	1	388	11	0.0460973
0.0962667	1	820	20	0.0285482
0.0695294	1	591	17	0.0476422
0.0704706	1	599	15	0.0473862
0.0704706	1	599	15	0.0358927
0.03595	1	610	17	0.0499815
0.0777647	1	661	13	0.0384086
0.0536574	1	457	13	0.0467064
0.069508	1	592	17	0.0490546
0.0890588	1	757	21	0.0343921
0.0684706	0.485	1200	34	0.00892463
0.0363965	1	604	17	0.0453117
0.108235	1	920	26	0.0332621
0.0349904	1	492	14	0.0332974
0.0667214	1	569	10	0.0455324
0.119882	1	1019	18	0.0272064
0.0692941	1	589	17	0.0484366
0.0714118	1	607	17	0.0496813
0.0952493	1	810	17	0.0131001
0.0754118	1	641	18	0.0350453
0.0574969	1	747	19	0.0487456
0.0644537	1	899	21	0.02334
0.0776471	1	660	19	0.0427959
0.0474908	1	617	18	0.0495136
0.0709412	1	603	17	0.0478982
0.0788235	1	670	19	0.0488604
0.0791765	1	673	12	0.0455324
0.0665382	1	587	15	0.0465211
0.104984	1	1049	29	0.01679
0.117647	1	1000	26	0.0240462
0.0797647	1	678	19	0.0331827
0.0911765	1	775	22	0.0390795
0.0406389	1	603	17	0.0480394
0.149412	1	1270	32	0.00818312
0.140118	1	1191	27	0.0328472
0.05662	1	591	14	0.0458943
0.105765	1	899	25	0.0218481
0.0683871	1	583	16	0.0376053
0.0712941	1	606	17	0.0450557



0.0712941	1	606	17	0.0450557
0.0712862	1	608	16	0.0474656
0.0372295	1	609	18	0.032909
0.112235	1	954	27	0.0277714
0.131514	1	1118	32	0.0236489
0.0788143	1	670	19	0.0381526
0.0812617	1	693	19	0.0342596
0.0525528	1	597	17	0.0389559
0.0672692	1	588	10	0.0462209
0.0713532	1	609	14	0.0440229
0.126235	1	1073	27	0.0197207
0.0883529	1	751	21	0.0344362
0.0984973	1	839	23	0.0325736
0.0453184	1	711	20	0.047907
0.0510588	1	434	10	0.0377553
0.0570041	1	634	18	0.0480394
0.0709412	1	603	16	0.0379407
0.14625	1	1244	32	0.00566727
0.0237502	1	620	10	0.0345245
0.089124	1	758	21	0.0281598
0.0701116	1	597	13	0.0401652
0.0764533	1	651	14	0.0495136
0.0775294	1	659	14	0.0318762
0.0327869	1	592	17	0.0285394
0.0743529	1	632	16	0.0451175
0.0416471	1	354	10	0.0434226
0.0745882	1	634	14	0.0353631
0.0685882	1	583	15	0.0111227
0.0765882	1	651	19	0.0378083
0.115059	1	978	28	0.0414011
0.0722353	1	614	17	0.03772
0.0717877	1	614	17	0.03772
0.0504276	1	802	19	0.0233576
0.0308664	1	704	20	0.0366695
0.0717931	1	633	16	0.0260854
0.0978491	1	878	24	0.0217863
0.0699803	1	604	12	0.0495401
0.0698644	1	603	12	0.0469448
0.0951765	1	809	22	0.0337388
0.0722353	1	614	14	0.0468212
0.0769412	1	654	14	0.023031
0.0744706	1	633	14	0.0320263
0.0789721	1	673	19	0.0412863
0.0562405	1	479	14	0.0318674
0.0703317	1	600	17	0.0490546
0.0802353	1	682	14	0.0414894
0.0898824	1	764	17	0.0207888

0.0415294	0.836493	422	11	0.0491605
0.0979793	1	834	22	0.022263
0.0335661	1	745	20	0.0306933
0.0696008	1	680	18	0.0375082
0.0941176	1	800	22	0.0335269
0.0776466	1	875	22	0.0199061
0.0698824	1	594	17	0.049134
0.0734127	1	629	14	0.0165957
0.117606	1	1000	22	0.0168782
0.0710845	1	605	17	0.0493282
0.127743	1	1135	32	0.0154217
0.0863529	1	734	16	0.0240109
0.0446934	1	814	19	0.0232341
0.106824	1	908	26	0.0230575
0.102663	1	875	15	0.0400681
0.0770449	1	681	18	0.0297841
0.0780678	1	682	19	0.0464063
0.0910588	1	774	22	0.0160396
0.0704706	1	599	17	0.0470331
0.0703529	1	598	17	0.0321763
0.0775294	1	659	16	0.0460179
0.104093	1	885	26	0.0249378
0.0870588	1	740	21	0.0484719
0.0625954	1	861	19	0.0226691
0.0721176	1	613	17	0.0235695
0.135412	1	1151	26	0.0338094
0.0845549	1	721	21	0.0428047
0.0675501	1	576	12	0.0484278
0.0816471	1	694	13	0.0295987
0.0850368	1	728	21	0.036696
0.0841176	1	715	16	0.0396621
0.0455294	1	387	11	0.0485161
0.0721176	1	613	13	0.0434668
0.0752941	1	640	18	0.0432549
0.0569412	1	484	13	0.0357868
0.071269	1	606	17	0.0442524
0.0682112	1	580	13	0.0469978
0.0990588	1	842	22	0.0305432
0.0690986	1	591	16	0.046318
0.141078	1	1201	34	0.0230487
0.0875557	1	845	22	0.0487633
0.0695294	1	591	12	0.0497166
0.0781176	1	664	19	0.0427694
0.0354897	1	587	17	0.0259529
0.0837936	1	713	20	0.0325736
0.0733326	1	630	11	0.0426546
0.0829643	1	712	17	0.0322734

0.0777647	1	661	17	0.0422132
0.0832941	1	708	18	0.0447379
0.186147	1	1591	40	0.0331827
0.0635105	1	546	12	0.0434138
0.0715294	1	608	16	0.0429371
0.036577	1	589	10	0.0356632
0.06743	1	901	25	0.0285129
0.071017	1	604	10	0.0326001
0.070892	1	604	10	0.0326001
0.0699488	1	628	18	0.0357868
0.0703872	1	618	16	0.0471831
0.0721541	1	618	17	0.0489398
0.0922353	1	784	22	0.0338006
0.035053	1	585	17	0.0458943
0.0702353	1	597	14	0.0438552
0.0917647	1	780	22	0.0281951
0.0683529	1	581	16	0.0492135
0.0701176	1	596	17	0.0499638
0.0529262	1	813	17	0.0342331
0.0757202	1	644	18	0.0284776
0.0748235	1	636	18	0.0294045
0.0920487	1	793	22	0.0255027
0.0501176	1	426	10	0.0470066
0.0661623	1	787	22	0.0377024
0.0874118	1	743	21	0.0493547
0.0983529	1	836	22	0.0425222
0.0718693	1	629	18	0.0429371
0.0727834	1	637	18	0.0236754
0.0798824	1	679	19	0.0378701
0.0694118	1	590	13	0.0398563
0.0404875	1	382	11	0.0471213
0.0643349	1	607	16	0.0464593
0.0981176	1	834	23	0.0268004
0.0574078	1	489	14	0.0477216
0.0995651	1	847	24	0.0496548
0.0786016	1	670	19	0.0385763
0.0858936	1	780	22	0.0164104
0.0807904	1	691	18	0.0233223
0.074577	1	648	18	0.0483572
0.0705692	1	610	15	0.0489398
0.0383166	1	610	15	0.0489398
0.0934118	1	794	22	0.0482689
0.054982	1	687	19	0.031629
0.119599	1	1027	20	0.0223248
0.0724706	1	616	13	0.0411451
0.0697647	1	593	13	0.0455324
0.0763529	1	649	18	0.0494871

0.101529	1	863	17	0.00788298
0.126588	1	1076	28	0.0180346
0.0707059	1	601	16	0.0393531
0.0418644	1	697	20	0.0477128
0.140122	1	1193	34	0.0126234
0.112742	1	960	25	0.00229516
0.0764706	1	650	17	0.0275595
0.072254	1	619	17	0.0370933
0.0896471	1	762	21	0.0314525
0.0707059	1	601	14	0.0442436
0.0714867	1	615	17	0.0413217
0.0740093	1	635	18	0.0277096
0.092	1	782	22	0.0328031
0.0919351	1	782	22	0.0328031
0.117242	1	1005	22	0.0340566
0.0689048	1	587	11	0.0396268
0.13261	1	1137	23	0.0155806
0.039643	1	342	10	0.0456207
0.0694118	1	590	17	0.0492135
0.0710287	1	609	17	0.0470154
0.174588	1	1484	41	0.0147861
0.0801177	1	681	19	0.0450557
0.0943529	1	802	22	0.0143889
0.0971765	1	826	23	0.0301725
0.118706	1	1009	29	0.0229163
0.111882	1	951	27	0.01295
0.00428331	0.0915033	612	17	0.0484102
0.0332645	1	612	17	0.0484102
0.126706	1	1077	31	0.0208948
0.047192	1	563	14	0.0461062
0.13	1	1105	31	0.0223248
0.0831765	1	707	20	0.0314172
0.106353	1	904	25	0.0153952
0.101969	1	870	24	0.0161809
0.102353	1	870	24	0.0161809
0.0964592	1	820	23	0.0321499
0.209387	1	1780	51	0.0161897
0.200353	1	1703	43	0.0229163
0.0729412	1	620	13	0.0219541
0.218941	1	1861	52	0.00996628
0.155294	1	1320	37	0.00408714
0.0570884	1	689	12	0.0299077
0.0673042	1	1126	31	0.0115287
0.069675	1	596	17	0.0493724
0.0717647	1	610	12	0.015404
0.0722353	1	614	17	0.0432549
0.08	1	680	19	0.0493459

0.082834	1	705	14	0.0137268
0.0990483	1	843	24	0.0342331
0.0769592	1	655	13	0.0407832
0.0822353	1	699	20	0.0382585
0.0857677	1	734	21	0.0308257
0.0535172	1	458	13	0.028919
0.0731765	1	622	18	0.0432372
0.0738824	1	628	18	0.0420014
0.0697919	1	597	17	0.0449233
0.0681176	1	579	16	0.0320616
0.127294	1	1082	30	0.0303226
0.0707059	1	601	17	0.032141
0.125412	1	1066	25	0.0338006
0.0950588	1	808	22	0.0315231
0.130706	1	1111	31	0.0164545
0.0681176	1	579	16	0.0475716
0.122353	1	1040	21	0.0330061
0.0738824	1	628	18	0.0451263
0.0691707	1	593	16	0.039
0.108588	1	923	26	0.0247259
0.0812941	1	691	19	0.0447114
0.100269	1	856	23	0.0454088
0.0907059	1	771	19	0.0495224
0.0483066	1	716	19	0.042787
0.0716471	1	609	17	0.0498755
0.0472801	1	724	20	0.0490899
0.0785882	1	668	19	0.0449145
0.132941	1	1130	31	0.0402359
0.114824	1	976	27	0.0246818
0.0727059	1	618	13	0.0387617
0.0802353	1	682	16	0.0148744
0.0945771	1	804	23	0.0312318
0.0944105	1	804	23	0.0312318
0.0758824	1	645	18	0.030605
0.0817647	1	695	18	0.0330238
0.084	1	714	20	0.0342155
0.143765	1	1222	34	0.00745043
0.127765	1	1086	30	0.0226161
0.0798824	1	679	19	0.0377553
0.0881462	1	1018	19	0.0285924
0.131882	1	1121	29	0.0151392
0.134118	1	1140	32	0.0136915
0.0490196	1	540	12	0.0487368
0.198	1	1683	42	0.0159072
0.100824	1	857	24	0.0447203
0.137627	1	1733	47	0.00755636
0.0852941	1	725	21	0.0464858

0.0885882	1	753	21	0.0426723
0.0433929	1	619	16	0.0441465
0.0714118	1	607	12	0.0471831
0.0705882	1	600	15	0.0476245
0.0694118	1	590	17	0.0480835
0.13	1	1105	31	0.0329178
0.0929412	1	790	23	0.0486397
0.0902717	1	824	22	0.0232517
0.0402657	1	594	14	0.0344803
0.0255761	1	586	15	0.0406684
0.0938824	1	798	21	0.0421338
0.100235	1	852	24	0.0331827
0.101294	1	861	23	0.0308169
0.0977647	1	831	21	0.042787
0.00704391	0.12605	476	10	0.0385145
0.134118	1	1140	32	0.021601
0.0708235	1	602	15	0.0399093
0.0690588	1	587	17	0.0473862
0.0743529	1	632	18	0.0477746
0.0708235	1	602	17	0.048878
0.0598366	1	608	13	0.0384704
0.120233	1	1034	29	0.033986
0.0711628	1	612	15	0.0438905
0.0164392	0.251981	631	13	0.0474833
0.152843	1	1301	33	0.0343303
0.0795294	1	676	19	0.0400681
0.101412	1	862	24	0.031373
0.0747192	1	652	17	0.0442877
0.132941	1	1130	31	0.0323794
0.0737474	1	627	13	0.0442877
0.0802353	1	682	13	0.0234724
0.0791173	1	674	19	0.0320881
0.0744219	1	634	18	0.0362723
0.0753831	1	1092	20	0.026562
0.0732999	1	1038	28	0.0335269
0.0701549	0.986799	606	13	0.0278773
0.0890588	1	757	19	0.0287071
0.0763529	1	649	18	0.0457972
0.0721176	1	613	17	0.045038
0.0319548	1	622	18	0.042787
0.101765	1	865	25	0.023543
0.0705882	1	600	17	0.0373669
0.0941634	1	847	22	0.0400681
0.0816937	1	710	20	0.0122438
0.0725457	1	821	17	0.0342331
0.0696471	1	592	16	0.0490722
0.053371	1	604	12	0.0471743

0.0591109	1	617	17	0.0401476
0.0389965	1	586	17	0.0480482
0.0549347	1	467	10	0.046936
0.0714118	1	607	15	0.0456207
0.0682418	1	595	11	0.0356809
0.112941	1	960	24	0.02733
0.0768689	1	655	16	0.0311435
0.0811765	1	690	20	0.0478982
0.0984358	1	837	23	0.0246112
0.0741176	1	630	13	0.049902
0.0694118	1	590	16	0.0470331
0.0554863	1	935	26	0.0426546
0.0584391	1	912	26	0.0442436
0.106368	1	912	26	0.0442436
0.052386	1	449	13	0.0434314
0.128471	1	1092	23	0.0189792
0.0998823	1	849	24	0.0327943
0.0768235	1	653	15	0.0439523
0.103176	1	877	25	0.0310464
0.0537955	1	596	17	0.0476245
0.168	1	1428	40	0.0167105
0.0714118	1	607	17	0.0415777
0.106353	1	904	25	0.0323617
0.130706	1	1111	32	0.0162515
0.111176	1	945	26	0.0430519
0.0538326	1	887	25	0.0314525
0.0340475	1	561	13	0.0497519
0.0558354	1	920	26	0.0207535
0.0884706	1	752	15	0.0336947
0.0902353	1	767	22	0.0182642
0.0852941	1	725	20	0.0483307
0.17816	1	1594	43	0.0317967
0.0841176	1	715	18	0.0236931
0.1	1	850	24	0.0419396
0.127412	1	1083	25	0.0318321
0.0710678	1	605	14	0.0477216
0.0564042	1	480	11	0.0497519
0.0893168	1	770	21	0.0472714
0.0666667	1	567	10	0.0464151
0.0695294	1	591	17	0.0442259
0.07	1	595	14	0.0494695
0.101859	1	871	24	0.030402
0.0446803	1	661	19	0.0452587
0.0716879	1	612	17	0.0495489
0.0629965	1	571	15	0.0457089
0.0495294	1	421	12	0.0470596
0.0747642	1	642	18	0.048878

0.0410337	1	678	18	0.0471831
0.143827	1	1229	34	0.0228015
0.101882	1	866	24	0.0449145
0.0802353	1	682	12	0.0435903
0.0743743	1	633	18	0.0392648
0.137412	1	1168	31	0.0216627
0.0697647	1	593	14	0.0459208
0.0635294	1	540	14	0.0459738
0.0987306	1	840	24	0.0443407
0.0962623	1	819	16	0.0183436
0.0762353	1	648	18	0.0498755
0.100235	1	852	22	0.034189
0.0897647	1	763	17	0.0481365
0.0715294	1	608	16	0.0489398
0.0865166	1	761	22	0.0481983
0.0759657	1	647	18	0.0379407
0.0545412	1	941	20	0.0106283
0.0845485	1	719	19	0.0484278
0.0756471	1	643	18	0.0457089
0.0893355	1	769	20	0.022828
0.0683955	1	633	18	0.0329973
0.0694118	1	590	13	0.0468742
0.100353	1	853	25	0.0165693
0.0824706	1	701	20	0.0327678
0.0569473	1	857	23	0.0239049
0.0824706	1	701	20	0.0278067
0.0759302	1	753	17	0.0128617
0.0702797	1	603	12	0.0300577
0.139111	1	1183	32	0.0158542
0.0922353	1	784	21	0.0282922
0.055381	1	617	12	0.0475186
0.0740219	1	630	11	0.0330149
0.0661	1	591	17	0.0442171
0.0764706	1	650	18	0.0413305
0.0364985	1	507	10	0.0394855
0.0772304	1	696	20	0.0363076
0.120995	1	1031	25	0.0381526
0.086	1	731	21	0.0393443
0.0711765	1	605	17	0.0450557
0.0754141	1	642	18	0.0444554
0.0938824	1	798	22	0.0406861
0.0686229	1	587	13	0.0320704
0.068811	1	599	11	0.039106
0.0614973	1	529	15	0.0481807
0.0838824	1	713	19	0.0323882
0.0692941	1	589	17	0.0391324
0.023471	1	454	12	0.0487015



0.0675623	1	865	23	0.0489398
0.0978728	1	865	23	0.0489398
0.106588	1	906	24	0.0256881
0.0682824	1	617	17	0.0469448
0.0575294	1	489	13	0.0431578
0.0773202	1	659	12	0.0314525
0.0335768	1	685	19	0.0439346
0.0707059	1	601	15	0.049955
0.121418	1	1072	26	0.0291838
0.111854	1	953	19	0.0344362
0.069868	1	598	17	0.04555
0.0676533	1	672	19	0.0319027
0.0929412	1	790	14	0.0296781
0.0795794	1	772	21	0.0247877
0.0744718	1	638	18	0.0467241
0.071387	1	614	14	0.0333769
0.104235	1	886	20	0.0285394
0.0692941	1	589	16	0.0473862
0.0804706	1	684	19	0.0331562
0.0418932	1	601	14	0.0388058
0.0670302	1	590	15	0.0474656
0.140588	1	1195	33	0.00551721
0.13338	1	1136	30	0.022007
0.0369547	0.335813	941	25	0.0284688
0.110446	1	941	25	0.0284688
0.0697429	1	594	17	0.047192
0.0783529	1	666	17	0.0305962
0.0567432	1	722	18	0.0264208
0.0903332	1	770	22	0.0413128
0.098992	1	874	22	0.0343303
0.0787059	1	669	19	0.0428665
0.108693	1	924	25	0.034136
0.039312	1	336	10	0.0398298
0.074613	1	641	18	0.046627
0.108	1	918	24	0.0457001
0.0421896	1	632	13	0.0345245
0.0743529	1	632	13	0.0345245
0.0870483	1	742	20	0.0151216
0.0233075	1	661	17	0.0322381
0.0252821	1	717	15	0.0342685
0.0718824	1	611	13	0.0482689
0.0792184	1	677	14	0.0375082
0.105004	1	896	25	0.0226603
0.0686746	1	586	11	0.0462209
0.0707746	1	603	17	0.022828
0.0960734	1	827	24	0.0343303
0.0688667	1	601	16	0.0424869

0.0705813	1	601	16	0.0424869
0.0711765	1	605	17	0.0392737
0.0628672	1	535	14	0.0428665
0.0734118	1	624	14	0.0468389
0.0709328	1	603	15	0.0424516
0.0842439	1	717	14	0.0320174
0.0796471	1	677	18	0.0432549
0.0697979	1	639	14	0.0292015
0.069257	1	590	17	0.0457619
0.0242758	1	357	10	0.0490546
0.0830704	1	711	20	0.0433608
0.0302283	1	343	10	0.0476687
0.083226	1	711	17	0.0322646
0.120325	1	1023	29	0.0319203
0.0572779	1	606	17	0.0318674
0.0623705	1	542	15	0.0485426
0.0700102	1	617	17	0.0496195
0.106221	1	992	27	0.0161897
0.0706446	1	605	17	0.0454618
0.0952027	1	1409	36	0.0299518
0.0701176	1	596	11	0.0404301
0.0573691	1	652	14	0.0238167
0.0894118	1	760	14	0.0294839
0.082988	1	721	16	0.0398651
0.0824848	1	721	16	0.0398651
0.0711681	1	605	16	0.0443407
0.0742656	1	632	18	0.0313642
0.0462494	1	402	11	0.0464858
0.00512562	0.174037	701	16	0.0407655
0.126486	1	1085	26	0.0155894
0.0741975	1	668	13	0.0297664
0.0901726	1	768	22	0.0278773
0.110118	1	936	26	0.0159072
0.052826	1	472	14	0.0110167
0.0851765	1	724	20	0.0317703
0.0790861	1	675	19	0.0389117
0.0331016	1	681	19	0.0305432
0.0658926	1	681	19	0.0305432
0.0697376	1	598	12	0.0486044
0.0776471	1	660	19	0.0432284
0.0694591	1	592	15	0.0489045
0.134225	1	1144	32	0.0491164
0.101059	1	859	24	0.0324676
0.0708235	1	602	17	0.0384704
0.0725929	1	619	14	0.0425045
0.113176	1	962	27	0.0185202
0.101294	1	861	25	0.0298017

0.0970588	1	825	23	0.0217246
0.0621931	0.702774	757	21	0.00196854
0.0630588	0.994434	539	15	0.0283628
0.0713027	1	607	17	0.0454971
0.0710434	1	606	17	0.0254498
0.0725882	1	617	15	0.0403948
0.078	1	663	13	0.0323882
0.118941	1	1011	28	0.022113
0.0747328	1	790	22	0.0321852
0.0728235	1	619	18	0.0434314
0.115529	1	982	27	0.0373051
0.0729412	1	620	17	0.0473155
0.105647	1	898	25	0.0444643
0.0862353	1	733	21	0.0152981
0.0643134	1	614	18	0.0373316
0.074	1	629	18	0.0490546
0.118471	1	1007	28	0.01566
0.0881176	1	749	19	0.0434668
0.049991	1	837	24	0.0495401
0.0457715	1	709	21	0.0341978
0.0950588	1	808	23	0.0293515
0.114588	1	974	26	0.0307551
0.114808	1	980	27	0.0223336
0.074762	1	636	18	0.0378613
0.0451156	1	605	17	0.0484808
0.0706528	1	605	17	0.0484808
0.058576	1	877	23	0.0229163
0.02498	1	374	19	0.0442524
0.0467181	1	721	17	0.0217863
0.0640047	1	545	14	0.0340389
0.0415444	1	609	17	0.041357
0.0721859	1	640	12	0.0367225
0.0981176	1	834	23	0.0330238
0.121529	1	1033	23	0.0327237
0.0800611	1	681	18	0.0464505
0.129943	1	1137	28	0.010849
0.0814118	1	692	20	0.0416748
0.0803124	1	689	15	0.0446496
0.102353	1	870	23	0.0282216
0.0652941	1	555	12	0.0499108
0.0757926	1	655	18	0.0470331
0.07	1	595	14	0.0470331
0.0788235	1	670	19	0.0280362
0.11059	1	943	26	0.0155011
0.0346238	1	711	20	0.0309493
0.10201	1	873	25	0.0220335
0.0756471	1	643	14	0.0482071

0.0709412	1	603	17	0.0498314
0.015662	1	608	17	0.0474303
0.0151468	1	588	16	0.049134
0.0922353	1	784	17	0.0326354
0.0831184	1	709	20	0.0481277
0.074152	1	634	18	0.0443671
0.0870588	1	740	20	0.0434314
0.0234057	0.466216	740	20	0.0434314
0.128118	1	1089	24	0.019959
0.0703529	1	598	17	0.0498844
0.107051	1	911	18	0.022113
0.0855294	1	727	15	0.030711
0.0380585	1	948	23	0.0131618
0.0976624	1	869	23	0.0311524
0.0803481	1	711	19	0.0374993
0.0783026	1	882	19	0.0315408
0.0704209	1	599	17	0.0417277
0.100752	1	857	24	0.0207094
0.0937647	1	797	22	0.033986
0.0725882	1	617	17	0.0408097
0.0599157	1	597	17	0.0220865
0.0845173	1	1047	29	0.0207535
0.121419	1	1047	29	0.0207535
0.0723924	1	617	17	0.0484984
0.0550416	1	470	11	0.0458943
0.11052	1	955	25	0.0212302
0.0955765	1	955	25	0.0212302
0.0463509	0.732169	687	17	0.0492841
0.066441	1	687	17	0.0492841
0.115647	1	983	28	0.0369785
0.0790588	1	672	19	0.0455324
0.0723529	1	615	18	0.045859
0.0703333	1	633	18	0.0344362
0.0695441	1	601	17	0.0491605
0.131111	1	1121	32	0.0325118
0.0709412	1	603	17	0.0456207
0.0885587	1	757	21	0.0473862
0.0565882	1	481	14	0.0320263
0.0761124	1	650	17	0.049134
0.0824706	1	701	14	0.0437669
0.0428746	1	596	17	0.0485602
0.0650588	1	553	16	0.0497166
0.0869918	1	751	14	0.0463887
0.195986	1	1670	46	0.0200738
0.0676497	1	601	16	0.0416483
0.0761213	1	650	18	0.0437669
0.0719054	1	614	16	0.0471567

0.0691765	1	588	17	0.0416041
0.0898824	1	764	20	0.0215921
0.0717647	1	610	17	0.0403948
0.078	1	663	12	0.0483042
0.0709038	1	608	17	0.04811
0.0699099	1	605	17	0.0459826
0.0698029	1	595	16	0.0475451
0.178353	1	1516	40	0.0289984
0.0810588	1	689	19	0.0478717
0.128256	1	1103	30	0.024364
0.0547059	1	465	11	0.0488162
0.140491	1	1196	34	0.029175
0.0735294	1	625	14	0.0318232
0.0937647	1	797	22	0.0295193
0.0632941	1	538	15	0.0320263
0.124677	1	1060	28	0.0340125
0.0811765	1	690	15	0.0419043
0.0669296	1	611	17	0.0381349
0.0925882	1	787	21	0.0437934
0.109176	1	928	26	0.018476
0.0654315	1	558	16	0.0463357
0.0714118	1	607	17	0.0466005
0.0806997	1	692	15	0.0497166
0.0807059	1	686	17	0.0408714
0.0605954	1	517	13	0.0471125
0.0767059	1	652	14	0.0331827
0.0729412	1	620	16	0.0317526
0.080694	1	693	16	0.0323441
0.0778823	1	662	19	0.0322823
0.0718521	1	618	14	0.0345156
0.098	1	833	24	0.0322734
0.0437073	1	390	10	0.0424074
0.0951765	1	809	22	0.00788298
0.0943529	1	802	23	0.0191999
0.0709412	1	603	17	0.0415247
0.0551765	1	469	13	0.0473862
0.0769863	1	656	13	0.0322646
0.0670975	1	571	16	0.0406861
0.104	1	884	25	0.0166487
0.109765	1	933	25	0.029175
0.0781176	0.881806	753	22	0.0453382
0.0565331	1	800	22	0.0422221
0.0706791	1	613	11	0.0416836
0.0699715	1	614	16	0.0498402
0.0688197	1	586	16	0.0464858
0.0692371	1	589	11	0.0400858
0.123176	1	1047	24	0.0271182

0.0810588	1	689	17	0.0320263
0.0734118	1	624	18	0.0493017
0.0762353	1	648	19	0.0370756
0.0894137	1	761	21	0.0429459
0.0799324	1	709	18	0.0401388
0.0726696	1	619	17	0.0495401
0.0628739	1	620	17	0.0223954
0.0605415	1	597	17	0.0486573
0.0772741	1	762	21	0.0234371
0.126824	1	1078	28	0.0184231
0.0985882	1	838	24	0.0136562
0.0429991	1	597	10	0.0435992
0.0243446	1	338	10	0.0466623
0.0703529	1	598	12	0.0320174
0.0783529	1	666	19	0.0488162
0.00176471	0.0129758	1156	32	0.0410215
0.0717647	1	610	17	0.04811
0.084008	1	716	20	0.0499373
0.0875171	1	767	21	0.0292015
0.092183	1	796	20	0.0437492
0.0702614	1	602	11	0.0299341
0.0734525	1	801	23	0.0100457
0.081223	1	696	20	0.048878
0.0822014	1	702	20	0.0449409
0.090967	1	857	24	0.0236401
0.114562	1	985	24	0.0325824
0.153991	1	1312	36	0.0340566
0.0694118	1	590	17	0.0460356
0.0725882	1	617	11	0.0478099
0.047956	1	820	23	0.0318056
0.0709412	1	603	14	0.0490899
0.0728235	1	619	17	0.0435639
0.128706	1	1094	23	0.0330238
0.0553276	1	472	11	0.0495401
0.102434	1	871	23	0.0253085
0.0857647	1	729	20	0.0439787
0.0768235	1	653	13	0.0413305
0.0862353	1	733	19	0.0264296
0.107294	1	912	24	0.0343038
0.151176	1	1285	36	0.0161897
0.113796	1	970	27	0.0313112
0.0459247	0.449388	899	25	0.0225014
0.088401	1	753	19	0.00574672
0.128896	1	1096	28	0.0119525
0.0726802	1	618	18	0.0431578
0.112905	1	986	26	0.0203916
0.0724706	1	616	14	0.0463445

0.0201176	0.188534	907	19	0.033165
0.0633955	1	907	19	0.033165
0.0748235	1	636	18	0.0329885
0.0730588	1	621	15	0.0401476
0.0696471	1	592	17	0.0373581
0.100235	1	852	24	0.0169312
0.234914	1	1997	53	0.0097809
0.0795273	1	747	21	0.0345509
0.113423	1	965	24	0.0149009
0.103529	1	880	25	0.0178051
0.108	1	918	23	0.0202239
0.0712128	1	613	18	0.0495754
0.0824706	1	701	20	0.0475804
0.0821176	1	698	19	0.045806
0.079873	1	679	19	0.0198531
0.123973	1	1056	30	0.0165516
0.0407356	1	350	10	0.0479335
0.089637	1	852	23	0.0458414
0.0694118	1	590	16	0.0328031
0.136588	1	1161	28	0.0155011
0.0768235	1	653	18	0.0391413
0.0773474	1	659	15	0.0324058
0.0695294	1	591	17	0.0430872
0.0974118	1	828	23	0.040739
0.0756471	1	643	16	0.0387617
0.0991994	1	855	22	0.0331915
0.124724	1	1074	30	0.0140623
0.0758824	1	645	18	0.0301372
0.0705882	1	600	17	0.042019
0.0916471	1	779	22	0.0475274
0.0604604	1	1308	32	0.00793595
0.0275955	1	597	14	0.0406066
0.0195526	1	423	11	0.0342596
0.0619395	1	1340	33	0.00991331
0.0570861	1	1235	27	0.00489928
0.0761737	1	649	14	0.0122968
0.078901	1	672	19	0.0480835
0.0979381	1	836	16	0.0292015
0.0716471	1	609	17	0.0414629
0.0571765	1	486	14	0.0418866
0.0711765	1	605	17	0.0440935
0.057925	1	493	14	0.0451352
0.0768235	1	653	13	0.0411186
0.094	1	799	22	0.034242
0.118	1	1003	24	0.02861
0.0720384	1	616	17	0.0473067
0.0729412	1	620	17	0.0477393

0.0845882	1	719	20	0.0338006
0.0945882	1	804	21	0.0219982
0.0958319	1	1145	26	0.0166664
0.134405	1	1145	26	0.0166664
0.105294	1	895	25	0.0147596
0.0749795	1	641	11	0.0441994
0.0689575	1	590	12	0.0292456
0.0616703	1	590	12	0.0292456
0.102772	1	912	22	0.0297576
0.0823755	1	731	21	0.0438287
0.0731249	1	622	18	0.0462562
0.0701529	1	601	14	0.0423721
0.0498824	1	424	12	0.049081
0.0713615	1	608	17	0.0483219
0.0607143	1	527	14	0.0456207
0.0562242	1	626	18	0.0450557
0.0782333	1	666	19	0.0364577
0.0992643	1	958	21	0.0206476
0.0808591	1	689	20	0.0370668
0.0702455	1	598	10	0.0489398
0.082659	1	715	20	0.0329178
0.0725882	1	617	17	0.0457531
0.0694118	1	590	17	0.0415777
0.0741306	1	631	18	0.0442083
0.0911106	1	781	22	0.0424604
0.0694289	1	620	18	0.049081
0.0486002	0.49095	884	22	0.0320881
0.0805882	1	685	17	0.018476
0.120216	1	1024	28	0.0208771
0.00691404	0.0970874	618	17	0.0398386
0.0727059	1	618	17	0.0398386
0.0314353	1	583	15	0.0477393
0.0711852	1	606	10	0.0457531
0.052673	1	871	22	0.0305256
0.0714453	1	609	15	0.0463622
0.0371121	1	659	18	0.0415247
0.127422	1	1085	29	0.0205417
0.0714118	1	607	17	0.0461238
0.0911765	1	775	20	0.0396268
0.0693309	1	602	13	0.0476422
0.134627	1	1145	32	0.0212655
0.0482451	1	411	10	0.0136915
0.0514118	1	437	13	0.0299518
0.0773281	1	793	23	0.02989
0.120706	1	1026	23	0.0233576
0.0864386	0.90711	872	25	0.0269504
0.0710588	1	604	10	0.0320263



0.0762353	1	648	13	0.0417807
0.0726888	1	618	17	0.0435903
0.0868545	1	740	17	0.0455324
0.0771765	1	656	19	0.0302255
0.0738824	1	628	16	0.0320881
0.0861176	1	732	12	0.0485602
0.0790588	1	672	17	0.0442259
0.0863764	1	738	21	0.0318232
0.0808973	1	714	20	0.0455324
0.0719465	1	635	18	0.0424869
0.0245194	1	1042	28	0.0211243
0.0152011	1	646	17	0.0471567
0.0280255	1	1191	32	0.0102399
0.129647	1	1102	28	0.0292544
0.0673763	1	595	17	0.0291132
0.106655	1	936	24	0.0132148
0.0679489	1	590	16	0.0487279
0.125361	1	1085	26	0.0143977
0.105468	1	920	18	0.0152275
0.0311728	0.250947	1056	29	0.0467859
0.0798824	1	679	12	0.0119613
0.0722353	1	614	15	0.0413923
0.066853	1	598	14	0.0464769
0.0426333	1	691	14	0.0321146
0.0701652	1	599	10	0.030861
0.0475294	1	404	12	0.0470331
0.0691765	1	588	17	0.0429548
0.0717647	1	610	17	0.0495754
0.0987059	1	839	24	0.0143977
0.0923113	1	790	17	0.0344097
0.104931	1	898	24	0.0102488
0.0430887	1	678	17	0.0454794
0.0696471	1	592	16	0.0499285
0.0810842	1	706	20	0.0434314
0.102309	1	873	23	0.021804
0.0854118	1	726	20	0.0467064
0.00776471	0.0714286	924	26	0.0330767
0.0974118	1	828	23	0.0341096
0.131529	1	1118	31	0.00809484
0.0975294	1	829	23	0.0127911
0.0745795	1	634	18	0.0453029
0.082	1	697	19	0.040227
0.0946195	1	925	25	0.0343303
0.0712191	1	607	17	0.0447556
0.0598824	1	509	14	0.0460179
0.0762353	1	648	16	0.0442877
0.0724706	1	616	17	0.0464593

0.0696692	1	594	16	0.0165869
0.0694347	1	592	17	0.0475804
0.0703827	1	971	23	0.0292986
0.038272	1	528	15	0.0495401
0.0744706	1	633	13	0.0333681
0.117647	1	1000	24	0.0283099
0.0481983	1	630	14	0.0461327
0.0997647	1	848	24	0.0424957
0.0531159	1	456	13	0.0480924
0.0639628	1	880	24	0.0217246
0.0678824	1	577	16	0.033677
0.0711765	1	605	13	0.0395385
0.0687059	1	584	17	0.0499462
0.119882	1	1019	28	0.0496548
0.116706	1	992	26	0.0165693
0.0912941	1	776	22	0.0415512
0.0447626	1	641	13	0.046318
0.0691765	1	588	17	0.0462827
0.100306	1	853	24	0.0289719
0.0992941	1	844	24	0.0453735
0.138941	1	1181	29	0.0409774
0.108118	1	919	25	0.0237284
0.0744382	1	636	18	0.0472096
0.132235	1	1124	31	0.0295899
0.0704706	1	599	17	0.0460973
0.0609412	1	518	15	0.0340389
0.0605741	1	690	19	0.0478717
0.0785236	1	668	17	0.0385498
0.0724706	1	616	13	0.0391236
0.0711116	1	609	17	0.0472626
0.0757647	1	644	18	0.0464416
0.0637392	1	614	18	0.0414011
0.060207	1	512	15	0.0431666
0.141593	1	1232	35	0.00954256
0.11332	1	986	28	0.00757402
0.0702753	1	605	13	0.0448703
0.0590833	1	776	20	0.0369697
0.0489569	1	643	17	0.0477393
0.117916	1	1007	27	0.0225808
0.118137	1	1007	27	0.0225808
0.178332	1	1516	36	0.0234547
0.14363	1	1221	30	0.0127381
0.100235	1	852	21	0.0245494
0.194118	1	1650	36	0.0064794
0.0716471	1	609	15	0.0497873
0.0689089	1	588	17	0.0472714
0.0628504	1	639	13	0.0375435

0.0931925	1	794	20	0.0203298
0.109386	1	930	26	0.0219629
0.116953	1	1001	21	0.0150862
0.0704706	1	599	12	0.0413658
0.0818824	1	696	16	0.0468653
0.0865882	1	736	20	0.043758
0.0865882	1	736	21	0.0282128
0.0322559	1	480	14	0.0497519
0.0466766	1	842	23	0.0236225
0.0814118	1	692	20	0.0335269
0.0765882	1	651	18	0.0451705
0.0688235	1	585	17	0.0474656
0.0554058	1	596	17	0.0473685
0.0635628	1	1069	28	0.0166664
0.125573	1	1069	28	0.0166664
0.0409085	1	688	15	0.0335269
0.0808176	1	688	15	0.0335269
0.0375998	1	631	17	0.0428488
0.036706	1	616	15	0.0471125
0.0754118	1	641	18	0.0164545
0.0687059	1	584	16	0.0350718
0.0715713	1	609	17	0.0498755
0.063126	1	542	12	0.0464593
0.139808	1	1192	30	0.0328737
0.0739404	1	635	18	0.0354337
0.136588	1	1161	32	0.0331032
0.111882	1	951	26	0.00911884
0.0931024	1	930	26	0.0276478
0.0622859	1	600	15	0.042637
0.0712035	1	610	17	0.0493724
0.0734118	1	624	18	0.0441465
0.0726511	1	624	18	0.0441465
0.0553211	1	472	13	0.0415512
0.0736484	1	628	18	0.0487721
0.0971033	1	828	23	0.0249643
0.0351838	1	668	19	0.0451263
0.0898824	1	764	21	0.0454529
0.0934838	1	812	22	0.0308081
0.0563822	1	485	11	0.0398386
0.0771765	1	656	17	0.0412157
0.0739176	1	630	18	0.0356544
0.0664706	1	565	15	0.0489751
0.13429	1	1142	30	0.0165163
0.108824	1	925	25	0.0144948
0.0712271	1	606	17	0.0396179
0.0747059	1	635	18	0.0458855
0.067477	1	594	17	0.0422044

0.0707059	1	601	17	0.0493724
0.0756727	1	838	23	0.0230222
0.0929412	1	790	22	0.0495048
0.0535977	1	619	18	0.0432549
0.0316398	1	487	13	0.048878
0.0636694	1	980	27	0.0332445
0.121294	1	1031	27	0.0167458
0.0157875	1	457	13	0.0456471
0.0718193	1	617	15	0.0438198
0.0635294	1	540	13	0.0493812
0.0925882	1	787	22	0.0461856
0.0770588	1	655	18	0.0496813
0.117412	1	998	27	0.0303049
0.0765882	1	651	19	0.0465299
0.0867059	1	737	19	0.0211861
0.0802353	1	682	19	0.0210007
0.087709	1	750	20	0.00946311
0.0683663	1	598	12	0.0462651
0.0909303	1	778	18	0.0217246
0.05117	1	855	21	0.0237196
0.0570354	1	728	20	0.0393973
0.0703529	1	598	16	0.0399799
0.072	1	612	13	0.0467241
0.0773572	1	658	16	0.0427782
0.113449	1	965	26	0.0189351
0.0892939	1	784	22	0.04811
0.0704706	1	599	12	0.0382232
0.069425	1	594	11	0.0460444
0.0800079	1	806	16	0.0455324
0.0750146	1	644	18	0.0419396
0.0639269	1	644	18	0.0419396
0.072502	1	632	18	0.04811
0.0701198	1	597	12	0.0454
0.0412954	1	635	18	0.0274889
0.0898295	1	764	22	0.0382938
0.0932941	1	793	22	0.0317438
0.100235	1	852	16	0.0486573
0.060117	1	812	23	0.0365636
0.0357033	1	582	14	0.0444113
0.0972919	1	873	24	0.0253527
0.0716218	1	609	17	0.0458678
0.0451043	1	720	15	0.0227044
0.112353	1	955	24	0.0172755
0.235765	1	2004	55	0.0150244
0.0685549	1	593	16	0.0439876
0.1	1	850	24	0.0232517
0.0704655	1	601	17	0.0401564

0.0701176	1	596	14	0.0494165
0.0609557	1	597	13	0.0480924
0.0947901	1	806	23	0.0299253
0.0872941	0.920596	806	23	0.0299253
0.0628272	1	612	17	0.0286277
0.0711212	1	628	12	0.047598
0.132291	1	1125	32	0.0338094
0.0568009	1	598	17	0.0167458
0.0866261	1	912	25	0.0317526
0.142588	1	1212	34	0.00910118
0.0843529	1	717	20	0.0331562
0.0707059	1	601	17	0.0451969
0.119882	1	1019	25	0.0198973
0.104565	1	891	25	0.0230928
0.04089	1	351	10	0.0475716
0.0877647	1	746	21	0.0486838
0.0678723	1	593	17	0.0489928
0.0878824	1	747	21	0.0263325
0.0456615	1	652	18	0.0492311
0.0751765	1	639	18	0.0297929
0.0681898	1	585	10	0.0151392
0.0723529	1	615	11	0.0454529
0.0727059	1	618	16	0.0294928
0.111568	1	949	24	0.0484278
0.0745882	1	634	18	0.0191381
0.0857009	1	730	21	0.0320351
0.0764706	1	650	18	0.0327943
0.098	1	833	20	0.0478982
0.111412	1	947	26	0.0237461
0.0742353	1	631	18	0.0317173
0.0812941	1	691	20	0.0407302
0.158591	1	1355	36	0.019553
0.093633	1	800	20	0.0195177
0.0519601	1	448	13	0.0472096
0.104118	1	885	25	0.04811
0.0820495	1	703	20	0.0257058
0.109529	1	931	26	0.0308169
0.0775294	1	659	14	0.0433696
0.139529	1	1186	34	0.0272417
0.0718824	1	611	17	0.0489486
0.148941	1	1266	36	0.0154658
0.104824	1	891	25	0.0245847
0.103387	1	879	24	0.0492311
0.126706	1	1077	31	0.0493547
0.0737647	1	627	18	0.0457707
0.0978824	1	832	23	0.0338271
0.145529	1	1237	28	0.0191028

0.0430717	1	608	17	0.0490899
0.130471	1	1109	31	0.0440935
0.0383621	1	905	25	0.0292986
0.0447204	1	1055	30	0.0297841
0.0696298	1	600	17	0.040024
0.0630673	1	542	15	0.0323529
0.0516667	1	837	23	0.0217599
0.047037	1	762	21	0.0298017
0.0875294	1	744	16	0.0409774
0.131412	1	1117	30	0.0195706
0.117529	1	999	28	0.0309317
0.0658894	1	1119	28	0.0391236
0.0790588	1	672	19	0.0416483
0.147882	1	1257	36	0.0152363
0.0689493	1	588	16	0.0498755
0.0686916	1	588	16	0.0498755
0.0685882	1	583	14	0.0495136
0.0857657	1	858	23	0.0281951
0.119059	1	1012	28	0.0343038
0.0895294	1	761	21	0.0490546
0.132235	1	1124	29	0.0226603
0.057606	1	796	23	0.0319292
0.0408887	1	565	16	0.0435903
0.0400384	1	625	16	0.0490634
0.0709412	1	603	16	0.0493547
0.0437583	1	1250	34	0.0204093
0.0928376	1	2652	72	0.0164545
0.0413779	1	1182	30	0.0234459
0.020794	1	594	12	0.0401123
0.0257999	1	737	21	0.0473067
0.0282504	1	807	21	0.0328825
0.0797452	1	2278	58	0.0145213
0.0408528	1	1167	33	0.0101693
0.102488	1	898	21	0.0297399
0.0216341	1	618	16	0.0478099
0.0696471	1	592	17	0.0480394
0.0874118	1	743	17	0.0452234
0.109294	1	929	27	0.032397
0.0800333	1	1057	30	0.033165
0.0230853	1	907	24	0.0342155
0.0233653	1	918	26	0.0417807
0.020591	1	809	23	0.0322205
0.0216346	1	850	24	0.0405007
0.0302375	1	1188	33	0.0322999
0.0212782	1	836	23	0.0254763
0.0232381	1	913	26	0.0227397
0.0487865	1	995	27	0.0216363

0.0551115	1	1124	31	0.00684133
0.0723529	1	615	34	0.0425752
0.0904706	1	769	22	0.0344715
0.104588	1	889	24	0.0298988
0.142588	1	1212	34	0.0102399
0.0487059	1	414	12	0.0457619
0.07	1	595	16	0.0422397
0.0779984	1	664	19	0.0414011
0.0360266	0.826203	374	11	0.0311347
0.168588	1	1433	40	0.0167635
0.0992941	1	844	24	0.0239491
0.0373797	1	606	16	0.0451881
0.0442265	1	717	20	0.0456207
0.0874118	1	743	20	0.030967
0.0469208	1	992	28	0.0237637
0.070665	1	1494	42	0.00996628
0.0685882	1	583	10	0.0452587
0.0689412	1	586	16	0.0459738
0.0691765	1	588	17	0.0456207
0.153412	1	1304	37	0.0149185
0.0765882	1	651	17	0.0423898
0.0875294	1	744	21	0.0487456
0.090662	1	1134	31	0.0471125
0.113412	1	964	27	0.0320881
0.0722764	1	615	17	0.0495401
0.0750588	1	638	18	0.045912
0.0988235	1	840	23	0.0299518
0.074	1	629	18	0.036184
0.0603234	1	873	25	0.0259794
0.0521686	1	593	17	0.0499991
0.0514621	1	755	17	0.04811
0.0603912	1	886	25	0.0312318
0.0539969	0.719875	639	18	0.0370403
0.083703	1	717	19	0.0330238
0.117412	1	998	27	0.0451881
0.0727059	1	618	18	0.0493812
0.0696471	1	592	17	0.0494077
0.107412	1	913	26	0.0325559
0.0701176	1	596	17	0.0447114
0.0537159	1	644	18	0.0324853
0.0902353	1	767	22	0.0226691
0.0857647	1	729	21	0.0473509
0.0730588	1	621	14	0.0335181
0.0730588	1	621	18	0.0363076
0.11273	1	1184	32	0.0211861
0.139294	1	1184	32	0.0211861
0.0699439	1	599	13	0.0487368

0.0788235	1	670	19	0.0472361
0.0779817	1	663	15	0.043608
0.058288	1	685	15	0.0235872
0.0651085	1	858	24	0.0168164
0.0369333	1	620	18	0.0486397
0.126706	1	1077	28	0.0234989
0.0757327	1	646	18	0.0447291
0.1	1	850	24	0.0203828
0.0728235	1	619	18	0.0417983
0.0772941	1	657	13	0.0399357
0.0950041	1	812	23	0.0399534
0.0618824	1	526	15	0.0466535
0.109059	1	927	19	0.0289808
0.0716366	1	615	17	0.0298282
0.114014	1	982	22	0.039821
0.0711655	1	657	18	0.0337565
0.0938824	1	798	20	0.0289455
0.0701176	1	596	15	0.046115
0.0655237	1	558	12	0.0341978
0.0656471	1	558	12	0.0341978
0.074	1	629	14	0.0353896
0.0593523	1	581	15	0.0496195
0.0528181	1	596	17	0.0327413
0.100729	1	857	24	0.0265885
0.0723429	1	616	15	0.0475451
0.0768235	1	653	19	0.0331827
0.0450219	1	596	17	0.0425575
0.112298	1	978	25	0.0223425
0.0988161	1	843	22	0.0326177
0.0691595	1	590	16	0.0484719
0.0843966	1	721	20	0.0203828
0.0638253	1	602	17	0.0454353
0.0905776	1	770	18	0.0178404
0.0723529	1	615	17	0.0490987
0.0818672	1	698	16	0.0239932
0.138395	1	1183	28	0.0116877
0.0704804	1	600	17	0.0404124
0.0698824	1	594	16	0.0463445
0.0901675	1	829	21	0.0298459
0.0721176	1	613	10	0.0403506
0.0454545	1	715	16	0.034445
0.0755116	1	642	18	0.0231016
0.0702353	1	597	17	0.0342331
0.0808235	1	687	14	0.0475716
0.0824609	1	701	16	0.0316555
0.131604	1	1126	24	0.0290867
0.0539685	1	597	12	0.0423015



0.0674381	1	746	16	0.0304726
0.107076	1	917	26	0.0454794
0.0701176	1	596	14	0.0324412
0.0758338	1	648	17	0.0391324
0.0675474	1	588	17	0.036696
0.0718014	1	619	17	0.0469448
0.124633	1	1060	25	0.0223866
0.0406495	0.570492	610	15	0.0484808
0.0707497	1	603	17	0.0380731
0.0790588	1	672	17	0.0389294
0.00288895	0.0354365	1157	29	0.0285394
0.0856471	1	728	19	0.0330767
0.0705574	1	619	15	0.0410568
0.0838629	1	739	21	0.0424957
0.126353	1	1074	30	0.0199944
0.0587685	1	503	14	0.045859
0.115551	1	989	27	0.0126234
0.109529	1	931	25	0.0154305
0.0722353	1	614	17	0.0480394
0.0785882	1	668	19	0.0403948
0.196	1	1666	47	0.014486
0.0865882	1	736	21	0.0469007
0.0775294	1	659	18	0.0247083
0.0829326	1	707	21	0.0457531
0.108706	1	924	26	0.0113963
0.0783529	1	666	19	0.0402888
0.072	1	612	18	0.0490899
0.101765	1	865	24	0.0193411
0.097346	1	961	25	0.0337741
0.0793413	1	689	19	0.0289808
0.114706	0.994898	980	22	0.0278597
0.0958824	1	815	23	0.0336594
0.0701176	1	596	13	0.0475362
0.101294	1	861	24	0.0246818
0.0724348	1	617	17	0.0409774
0.0883529	1	751	21	0.0238432
0.0791765	1	673	16	0.0327854
0.0738824	1	628	18	0.0354602
0.110981	1	950	27	0.0340566
0.0744706	1	633	18	0.0465299
0.0563971	1	659	18	0.0451263
0.0774747	1	659	18	0.0451263
0.0688036	1	586	15	0.0417983
0.0788235	1	670	19	0.0462209
0.112833	1	961	27	0.045038
0.073913	1	629	18	0.0489398
0.0908235	1	772	22	0.0496195

0.0756471	1	643	19	0.0396886
0.0962136	1	836	17	0.0202857
0.078608	1	768	22	0.0212567
0.0934884	1	804	19	0.0341802
0.0778726	1	675	19	0.0484366
0.0734708	1	627	18	0.0489398
0.118124	1	1005	25	0.0432637
0.0218841	0.18607	1005	25	0.0432637
0.130235	1	1107	24	0.0161367
0.0686885	1	607	17	0.0486573
0.0914118	1	777	22	0.0458943
0.116118	0.853068	1157	30	0.0157748
0.120465	1	1026	28	0.0165869
0.0377289	1	614	12	0.0483219
0.0696471	1	592	14	0.045144
0.0690701	1	592	14	0.045144
0.068363	1	583	16	0.0471831
0.0628235	1	534	10	0.0425752
0.107647	1	915	22	0.0305521
0.0930042	1	795	18	0.0315849
0.0653216	1	586	16	0.0484984
0.0977647	1	831	20	0.0267121
0.0736471	1	626	18	0.0494783
0.0688235	1	585	11	0.0455589
0.0862353	1	733	21	0.0226779
0.0638354	1	962	27	0.019553
0.139166	1	1298	32	0.00773291
0.0601987	1	515	14	0.0435639
0.0903529	1	768	21	0.0290867
0.0831765	1	707	20	0.0467947
0.0723871	1	739	21	0.0384704
0.103647	1	881	24	0.0400064
0.0866981	1	992	22	0.0305874
0.0991765	1	843	24	0.0386028
0.0702353	1	597	17	0.043608
0.108504	1	948	22	0.0337741
0.0752941	1	640	17	0.0326883
0.0712941	1	606	17	0.0494783
0.0709844	1	605	17	0.0478982
0.0896471	1	762	20	0.0346657
0.072	1	612	17	0.0435639
0.0940762	1	802	21	0.0325118
0.0685882	1	583	15	0.0471655
0.0694036	1	590	17	0.049134
0.110308	1	961	27	0.0233223
0.133514	1	1135	27	0.0133914
0.0752801	1	645	15	0.0417366

0.0704706	1	599	17	0.0475098
0.0957647	1	814	23	0.0114228
0.0735906	1	637	14	0.0444378
0.0815395	1	697	20	0.0316555
0.0835583	0.998598	713	20	0.0430783
0.0756155	1	645	18	0.049902
0.0547059	1	465	11	0.0334652
0.108588	1	923	20	0.042787
0.0661118	1	564	16	0.0454794
0.0878824	1	747	20	0.0101605
0.0716471	1	609	16	0.0477128
0.124824	1	1061	24	0.0295546
0.0756471	1	643	12	0.0239226
0.0688515	1	687	16	0.0401388
0.0714037	1	614	17	0.0417366
0.0747916	1	637	14	0.0438287
0.0603248	1	832	21	0.0198884
0.0977788	1	832	21	0.0198884
0.0475638	1	656	12	0.0299077
0.0770948	1	656	12	0.0299077
0.0729412	1	620	12	0.0409597
0.104385	1	895	19	0.0163574
0.0996471	1	847	24	0.0313819
0.0763529	1	649	13	0.0413128
0.0696099	1	853	23	0.0338094
0.0545944	1	669	16	0.0487544
0.110824	1	942	26	0.031479
0.0755294	1	642	18	0.0431931
0.133154	1	1139	31	0.0146713
0.0852941	0.987738	734	20	0.0126675
0.0729412	1	620	17	0.0470949
0.0787059	1	669	19	0.0420632
0.0725882	1	617	28	0.0433961
0.0518304	1	715	20	0.0430783
0.0959258	1	817	17	0.0475451
0.0874118	1	743	21	0.0491428
0.0974118	1	828	19	0.0234724
0.0705882	1	600	17	0.0471567
0.0685882	1	583	10	0.0450027
0.0685157	1	583	10	0.0450027
0.0693954	1	590	15	0.0477746
0.0574923	1	597	17	0.0452058
0.0439766	1	376	11	0.0475451
0.108235	1	920	23	0.0366166
0.0445624	1	613	18	0.0456207
0.0724909	1	619	13	0.0423103
0.0967059	1	822	24	0.0265356

0.0720605	1	619	12	0.0298724
0.0951765	1	809	21	0.0399799
0.0761176	1	647	18	0.0441553
0.130235	1	1107	26	0.0110785
0.0531591	1	785	23	0.0426899
0.0688609	0.924841	785	23	0.0426899
0.0909412	1	773	20	0.0210183
0.0725522	1	618	16	0.0459649
0.0709412	1	603	17	0.0429812
0.102299	1	872	25	0.0176021
0.0722353	1	614	15	0.0454971
0.0517608	1	463	13	0.0213185
0.118614	0.972502	1091	28	0.0162691
0.0588441	1	505	14	0.0490634
0.0637647	1	542	15	0.0470331
0.222718	1	1898	44	0.0105489
0.0857377	1	731	21	0.0228103
0.0969412	1	824	23	0.043811
0.0694118	1	590	16	0.048366
0.107468	1	921	20	0.0341802
0.114718	1	979	24	0.0127381
0.0493735	1	796	22	0.0339242
0.086	1	731	21	0.0439346
0.0411634	0.511662	686	19	0.0384262
0.0806774	1	686	19	0.0384262
0.176118	1	1497	39	0.0312318
0.040955	1	669	19	0.0105577
0.0809412	1	688	20	0.0453382
0.0743529	1	632	17	0.0460885
0.0692814	1	590	12	0.0467241
0.0370921	1	874	22	0.0176286
0.0669261	1	602	12	0.0456383
0.0708152	1	602	12	0.0456383
0.100117	1	854	24	0.0375523
0.0904706	1	769	22	0.0340919
0.0386238	1	641	14	0.0391324
0.124353	1	1057	25	0.030967
0.0804706	1	684	19	0.0454794
0.0760463	1	874	25	0.0479335
0.0708069	1	602	17	0.0491958
0.0885882	1	753	21	0.0219541
0.0716471	1	609	17	0.0498755
0.0552941	1	470	13	0.0466447
0.142235	1	1209	29	0.0115729
0.0718824	1	611	18	0.0486044
0.154353	1	1312	32	0.0126675
0.112706	1	958	27	0.0336682

0.0773936	1	658	19	0.0486926
0.13	1	1105	29	0.0220335
0.122941	1	1045	23	0.0141593
0.0890588	1	757	21	0.0389294
0.100706	1	856	25	0.02989
0.0945158	1	810	22	0.0433078
0.0692443	1	591	13	0.0486397
0.000823529	0.0102489	683	13	0.0299518
0.072924	1	620	17	0.022519
0.0629412	1	535	10	0.0229692
0.101412	1	862	24	0.0103017
0.137647	1	1170	32	0.0129323
0.0847059	1	720	20	0.0332445
0.130588	1	1110	30	0.00789181
0.081275	1	691	18	0.0301637
0.0396149	1	609	13	0.0223425
0.0498824	1	424	12	0.0480924
0.072	1	612	11	0.0486838
0.066879	1	777	20	0.0495313
0.0394522	1	605	17	0.0487279
0.0842353	1	716	19	0.0276213
0.0915842	1	851	19	0.0100722
0.0770125	1	795	21	0.0286188
0.124163	1	1057	25	0.00946311
0.0864967	1	736	21	0.0312053
0.0703529	1	598	16	0.0360781
0.0742353	1	631	18	0.0327943
0.107529	1	914	24	0.0232341
0.070997	1	611	17	0.0349658
0.078892	1	675	19	0.0429194
0.0702353	1	597	17	0.0484455
0.0655287	1	572	16	0.031885
0.15041	1	1303	36	0.00328384
0.0765882	1	651	19	0.0457707
0.0693807	1	605	17	0.0433961
0.09029	0.989704	777	15	0.0222277
0.0752941	1	640	18	0.0443407
0.0687059	1	584	17	0.0480394
0.133294	1	1133	30	0.0381261
0.112824	1	959	27	0.0471125
0.0823529	1	700	15	0.0423545
0.0952941	1	810	22	0.0292015
0.107412	1	913	25	0.0224837
0.0531765	1	452	13	0.0335446
0.0896074	1	776	22	0.0434403
0.090941	1	776	22	0.0434403
0.117412	1	998	28	0.0216716

0.107529	1	914	17	0.0289808
0.0712698	1	609	17	0.0376847
0.0701176	1	596	17	0.0386734
0.105484	1	906	25	0.0279038
0.0834118	1	709	20	0.0343744
0.0542656	1	832	23	0.0316643
0.0478824	1	407	12	0.0481983
0.0703529	1	598	17	0.0389206
0.0381429	1	617	14	0.0480659
0.0366592	1	593	16	0.0421603
0.209647	1	1782	42	0.0227397
0.0549459	1	706	19	0.0434314
0.0785882	1	668	19	0.0481012
0.0545882	1	464	13	0.0415247
0.0696471	1	592	17	0.0407655
0.136556	1	1161	29	0.0236578
0.0828827	1	705	20	0.0492311
0.0723653	1	618	18	0.0469183
0.111007	1	948	27	0.0265444
0.0725626	1	617	17	0.0460091
0.0839704	1	714	20	0.0427782
0.130941	1	1113	31	0.0218834
0.115569	1	991	28	0.0388764
0.108118	1	919	26	0.0132148
0.0708235	1	602	12	0.0469448
0.0865882	1	736	18	0.0347716
0.0700375	1	597	17	0.0409774
0.10248	1	880	20	0.0338183
0.106235	1	903	25	0.0414982
0.107412	1	913	26	0.0210183
0.0892941	1	759	17	0.0299518
0.06715	1	602	17	0.0447909
0.0671415	1	575	16	0.0487279
0.157987	1	1353	35	0.0265267
0.0819904	1	697	16	0.048216
0.0704225	1	605	17	0.0493459
0.0697647	1	593	12	0.045144
0.0784706	1	667	19	0.0462827
0.0578993	1	667	19	0.0462827
0.114236	1	979	28	0.0207888
0.112019	1	960	27	0.0338183
0.0677966	1	600	10	0.0422927
0.0714451	1	616	12	0.0475362
0.0368078	1	660	18	0.0427076
0.082	1	697	20	0.0466182
0.0958824	1	815	23	0.0389117
0.122235	1	1039	27	0.0340389

0.0929412	1	790	23	0.0319027
0.0769412	1	654	12	0.0463092
0.0723769	1	616	15	0.0343391
0.0384343	1	596	14	0.0476422
0.0394706	1	337	10	0.0485514
0.0923728	1	786	22	0.0456825
0.0411356	1	639	16	0.0455324
0.0725882	1	617	12	0.0483837
0.0883355	1	752	21	0.0477393
0.0566787	0.644947	752	21	0.0477393
0.109421	1	1072	30	0.0154217
0.126118	1	1072	30	0.0154217
0.123176	1	1047	27	0.0129941
0.115881	1	988	26	0.0219364
0.122941	1	1045	29	0.0327678
0.0764899	1	652	18	0.0305697
0.0970202	1	827	19	0.0401564
0.124118	1	1055	27	0.0225896
0.131294	1	1116	31	0.0229074
0.0664706	1	565	16	0.0468653
0.0748235	1	636	18	0.0440229
0.107765	1	916	26	0.0293515
0.0921176	1	783	22	0.0325824
0.128118	1	1089	30	0.00929539
0.0743529	1	632	18	0.0480394
0.129882	1	1104	31	0.0237372
0.131059	1	1114	32	0.0233488
0.119294	1	1014	28	0.0235165
0.0695294	1	591	12	0.0403948
0.0796471	0.559504	1210	33	0.0155188
0.128824	1	1095	30	0.0164898
0.0748235	0.604563	1052	26	0.00693844
0.0455294	1	387	11	0.0474303
0.117721	1	1025	29	0.0125527
0.0707059	1	601	15	0.0416218
0.0752329	1	856	22	0.0314525
0.0879108	1	749	16	0.0498844
0.0924706	1	786	22	0.0285747
0.0485864	1	806	17	0.0441376
0.037555	1	623	18	0.0331827
0.0852941	1	725	20	0.033624
0.0885882	1	753	16	0.0212125
0.0693783	1	597	10	0.0381526
0.0783529	1	666	16	0.0416748
0.0695294	1	591	15	0.034904
0.0678117	1	608	16	0.04811
0.100588	1	855	24	0.0279744

0.106706	1	907	25	0.0320881
0.0917061	1	1067	30	0.0217687
0.0756471	1	643	18	0.0325118
0.0728454	1	628	17	0.0372698
0.051377	1	1054	29	0.0305521
0.0689291	1	587	15	0.0345245
0.0928235	1	789	22	0.034498
0.0729412	1	620	18	0.043405
0.0579526	1	501	14	0.04811
0.0723529	1	615	10	0.0481895
0.0416254	1	588	17	0.0463269
0.0802067	1	1133	32	0.0328472
0.0971765	1	826	23	0.0233312
0.126824	1	1078	22	0.0227221
0.0759285	1	646	11	0.0320351
0.0699342	1	595	16	0.0487456
0.10917	1	931	25	0.031735
0.0719508	1	620	11	0.0314525
0.0887609	1	755	21	0.0497431
0.0878824	1	747	21	0.0325559
0.0531765	0.941667	480	14	0.0431931
0.0712941	1	606	17	0.0428753
0.0365255	1	595	17	0.0410833
0.153364	1	1518	78	0.0168606
0.166498	1	1648	100	0.0167105
0.0603152	1	597	33	0.032397
0.0675645	1	587	15	0.0448615
0.0850437	0.900969	929	38	0.0320792
0.0838244	1	825	37	0.022572
0.11329	1	1115	75	0.0234371
0.103333	1	1017	69	0.0271976
0.102824	1	874	24	0.0317967
0.0753409	1	641	11	0.0363518
0.0677157	1	667	19	0.0285394
0.109239	1	1076	29	0.0236401
0.0919797	1	906	25	0.022007
0.0852503	1	756	17	0.0431578
0.144752	0.468109	2634	127	0.0168517
0.133365	1	1136	48	0.0340478
0.113994	1	971	58	0.0320351
0.0723215	1	619	18	0.0430077
0.119765	1	1018	24	0.0215568
0.1111	1	1108	23	0.0408803
0.068886	1	687	26	0.0343303
0.133661	1	1333	55	0.0159072
0.059528	1	507	15	0.0442347
0.0515562	1	598	14	0.0483219



0.101151	1	861	24	0.0485602
0.125529	1	1067	55	0.0206564
0.229176	1	1948	61	0.0234547
0.0708235	1	602	16	0.0490987
0.126588	1	1076	31	0.0388941
0.0825882	1	702	20	0.0208771
0.123529	1	1050	29	0.0203121
0.0875878	1	748	21	0.0495666
0.101765	1	865	18	0.0288572
0.0739482	1	631	12	0.0206564
0.11895	1	1015	28	0.0165957
0.0260949	1	883	21	0.0337918
0.0166085	1	562	16	0.0467506
0.0166085	1	562	16	0.0330149
0.0234647	1	794	18	0.032909
0.0166085	1	562	16	0.0416748
0.024706	1	836	19	0.0320792
0.0852941	1	725	21	0.0127734
0.0721176	1	613	16	0.0447997
0.0706847	1	638	13	0.0499285
0.0983625	1	853	20	0.0166752
0.070927	1	606	17	0.0437051
0.0717556	1	627	18	0.0461591
0.138348	1	1179	32	0.0100634
0.0854118	1	726	20	0.0467859
0.120706	1	1026	29	0.0464858
0.0719323	1	612	18	0.0463269
0.0706158	1	602	16	0.0495401
0.07	1	595	14	0.0456825
0.128353	1	1091	31	0.0228809
0.0691569	1	598	17	0.0451263
0.111294	1	946	22	0.0166664
0.0722353	1	614	17	0.0497343
0.184353	1	1567	43	0.0235165
0.0885882	1	753	21	0.0478187
0.0730588	1	621	17	0.0495136
0.0757647	1	644	19	0.0435374
0.118471	1	1007	29	0.0221306
0.0794118	1	675	19	0.0455324
0.221059	1	1879	51	0.0152628
0.122353	1	1040	29	0.0214156
0.148904	1	1270	30	0.0363341
0.0688513	1	603	17	0.0416836
0.0707746	1	603	17	0.0416836
0.0791173	1	674	19	0.0413305
0.144571	1	1229	33	0.0124821
0.103364	1	888	23	0.0334563

0.11769	1	1304	35	0.0342861
0.126706	1	1077	28	0.0498314
0.0939394	1	806	18	0.0423192
0.0771655	1	661	19	0.0461591
0.0808471	1	691	19	0.0464505
0.0708235	1	602	17	0.0489398
0.101294	1	861	18	0.0471302
0.0748235	1	636	13	0.0457354
0.059095	1	858	24	0.0278597
0.0504706	1	429	10	0.045912
0.0768235	1	653	15	0.0466535
0.0753698	1	642	13	0.0373404
0.100846	1	858	23	0.0330238
0.0390522	1	651	14	0.0401476
0.0799296	1	681	19	0.0473862
0.0875294	1	744	18	0.0338094
0.0750412	1	638	15	0.0345421
0.0724706	1	616	18	0.0441112
0.0722353	1	614	15	0.0474303
0.0789504	1	674	19	0.0238167
0.0748795	1	637	15	0.0233576
0.0912941	1	776	17	0.0163574
0.0844706	1	718	17	0.0371815
0.0692655	1	613	17	0.0454618
0.119921	1	1027	26	0.0325294
0.128353	1	1091	31	0.0243198
0.100824	1	857	24	0.0404213
0.113294	1	963	27	0.0227397
0.074375	1	714	20	0.0438287
0.0825	1	792	16	0.0337653
0.0623958	1	599	15	0.0466182
0.0959323	1	816	21	0.0319115
0.117124	1	1002	25	0.0301901
0.0809915	1	709	16	0.0302255
0.122828	1	1046	24	0.0231105
0.112	1	952	27	0.0314966
0.0531176	1	627	17	0.0388941
0.108493	1	930	26	0.0176462
0.0395294	0.449198	748	21	0.0380466
0.113294	0.975684	987	25	0.0450557
0.060448	1	591	16	0.0432549
0.102706	1	873	19	0.0424074
0.0708235	1	602	15	0.0338801
0.0761087	1	647	16	0.0487809
0.0741262	1	632	18	0.0453735
0.0743529	1	632	18	0.0453735
0.0183529	0.287293	543	10	0.0387264

0.0699589	1	595	16	0.0437051
0.093992	1	801	15	0.04811
0.0722835	1	616	17	0.0422927
0.0797935	1	680	13	0.0287601
0.11632	1	995	28	0.0152275
0.0701176	1	596	13	0.0484896
0.0795167	1	691	20	0.0414805
0.104353	1	887	25	0.0306845
0.104255	1	887	25	0.0306845
0.0477647	0.601481	675	19	0.0286012
0.112941	1	960	27	0.0204622
0.0713952	1	612	10	0.0462209
0.0893607	1	766	18	0.0326177
0.0870638	1	741	21	0.0290867
0.0802433	1	686	19	0.0166664
0.0773393	1	686	19	0.0166664
0.198971	1	1701	43	0.0135326
0.0780158	0.40682	1701	43	0.0135326
0.176278	1	1507	52	0.00818312
0.0656471	1	558	16	0.0122438
0.108706	1	924	27	0.0338712
0.0882353	1	750	21	0.0470596
0.110706	1	941	20	0.0320881
0.125059	1	1063	29	0.0152451
0.086298	0.883455	961	26	0.0234459
0.082	1	697	17	0.0465652
0.103059	1	876	22	0.0409068
0.0764713	1	651	18	0.042019

Fraction of negatively enriched windows in region

MAT-score on T(H3K9me3HETHF vs. control)

0	8.22951
0	7.04134
0	5.86245
0	6.09498
0	5.51658
0	7.30265
0	5.25161
0	5.25161
0	6.45931
0	6.45931
0	7.03498
0	5.16953
0	8.36392
0	6.58794
0	5.83602
0	6.20873
0	5.25317
0	7.23973
0	8.19113
0	5.60657
0	13.0838
0	6.11
0	5.16322
0	5.35694
0	6.39327
0	5.16554
0	5.71316
0	5.18727
0	5.22263
0	6.28402
0	6.28402
0	6.13229
0	5.75338
0	7.08901
0	6.08386
0	5.2288
0	5.35666
0	6.53296
0	5.3349
0	7.17061
0	6.03542
0	6.18972
0	8.36609
0	7.2787

0	5.21825
0	6.10434
0	6.25494
0	9.03412
0	6.18109
0	7.50405
0	5.37019
0	6.59732
0	5.26425
0	5.26425
0	5.46353
0	5.5792
0	5.20963
0	7.33293
0	5.42508
0	6.2708
0	6.1967
0	6.21222
0	5.35643
0	7.37095
0	6.24954
0	5.5905
0	5.16815
0	5.45122
0	7.06303
0	6.11596
0	6.10196
0	6.2768
0	6.15818
0	6.26955
0	6.41665
0	6.34668
0	6.81874
0	5.32785
0	5.19397
0	5.29351
0	5.35426
0	7.01232
0	10.116
0	5.42006
0	5.16024
0	5.16024
0	6.08979
0	6.08979
0	5.18078
0	5.58477
0	6.24878

0	5.34717
0	7.02654
0	5.47086
0	5.70781
0	6.12251
0	5.25578
0	5.26123
0	6.03631
0	5.4444
0	6.53398
0	9.45275
0	9.45275
0	5.2423
0	5.23873
0	5.6621
0	5.6621
0	5.85799
0	7.22457
0	5.61853
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X		6530286	6538785 NM_019461	chrX	6533413	6534131
	11	6366372	6381920 NM_011221	chr11	6378003	6378744
X		6343146	6351673 NM_016691	chrX	6348861	6349680
	15	6327980	6336537 NM_023118	chr15	6334274	6335006
	19	6270734	6279425 NM_010119	chr19	6278635	6279233
	19	6235668	6244226 NM_194348	chr19	6243147	6243830
X		6218474	6227701 NM_001042542	chrX	6218706	6219400
	11	6165233	6180862 NM_026538	chr11	6170895	6171568
	11	6165233	6180862 NM_026538	chr11	6166844	6167452
	7	6082740	6098957 NM_146385	chr7	6092399	6092854
	7	6082740	6098957 NM_146385	chr7	6091524	6092135
	19	6040662	6049644 NM_028769	chr19	6047471	6048183
	2	6044907	6056844 NM_144883	chr2	6045134	6045743
	11	5849835	5858388 NM_019661	chr11	5849858	5850457
	11	5796282	5804785 NM_022879	chr11	5801207	5801855
	1	5572574	5581137 NM_011011	chr1	5575110	5575556
	19	5419157	5427764 NM_134149	chr19	5425132	5425876
	19	5422417	5430916 NM_024176	chr19	5425132	5425876
X		5216983	5225736 NM_021431	chrX	5217191	5217902
	19	5115745	5124252 NM_008451	chr19	5122198	5122908
	18	5040585	5049084 NM_153153	chr18	5041953	5042917
	1	5007008	5015716 NM_021374	chr1	5014703	5015488
	1	5007008	5015716 NM_021374	chr1	5009368	5010378
	19	4924564	4934252 NM_133803	chr19	4931472	4932071
	16	4848339	4856849 NM_025839	chr16	4855025	4855670
	19	4833415	4841914 NM_207268	chr19	4839411	4840000
	19	4836788	4845322 NM_016892	chr19	4839411	4840000
X		4509172	4517671 BC117727	chrX	4513199	4514192
	19	4394578	4404266 NM_001001984	chr19	4397892	4398478
	1	4347850	4356473 NM_011283	chr1	4355682	4356272
	11	4160587	4169597 NM_001039537	chr11	4162249	4163347
	19	4142663	4158371 NM_011778	chr19	4155421	4156253
	2	4064143	4072643 NM_172475	chr2	4071611	4072422
	11	4054371	4062896 NM_026175	chr11	4060891	4061710
	11	4057797	4066296 NM_177616	chr11	4060891	4061710
	19	4035413	4048221 NM_013541	chr19	4037876	4038362
	19	4035413	4048221 NM_013541	chr19	4035886	4036520
	4	4002162	4010661 BC125450	chr4	4008309	4008919
	11	3925785	3934284 NM_146013	chr11	3931548	3932188
	15	3927074	3935573 NM_134099	chr15	3930422	3931085
	19	3921406	3935737 NM_026316	chr19	3929149	3929864
	19	3929219	3946181 NM_019449	chr19	3929149	3929864
	12	3885758	3894257 NM_153743	chr12	3885755	3886336
	11	3877639	3886215 NM_016922	chr11	3878338	3879258

16	3793911	3802410	NM_029090	chr16	3801586	3802135
11	3789250	3797783	NM_173745	chr11	3797035	3797836
11	3792602	3801101	NM_026150	chr11	3797035	3797836
7	3750355	3758959	NM_175529	chr7	3751372	3752019
19	3702333	3710910	NM_028077	chr19	3709474	3709815
5	3571679	3580221	BC099581	chr5	3573269	3573865
4	3496035	3504656	NM_054089	chr4	3496493	3497154
19	3317320	3325847	NM_013495	chr19	3321952	3322543
7	3230208	3238971	NM_023524	chr7	3236297	3236900
7	3227072	3236143	NM_027328	chr7	3231703	3232309
7	3230208	3238971	NM_023524	chr7	3231703	3232309
11	3042349	3050848	BC048950	chr11	3045781	3046364
11	3042349	3050848	BC048950	chr11	3043847	3044475
11	3018018	3032526	NM_001004146	chr11	3027935	3028691
Y	579662	588181	NM_009484	chrY	582075	582690
Y	579662	588181	NM_009484	chrY	581031	581628
Y	341038	349554	NM_012011	chrY	342734	343329
Y	131353	139852	NM_009570	chrY	137985	139146

gene overlap percent	region overlap percent	length(bps)	probes in region	p-value(region)
0.0858824	1	730	20	0.00943663
0.0438824	1	373	10	0.00646175
0.0658824	1	560	11	0.00895111
0.0670588	1	570	16	0.00913649
0.0911201	1	785	19	0.00379584
0.0648235	1	551	16	0.00635582
0.101683	1	870	24	0.00588796
0.0354238	1	710	20	0.00429018
0.0532023	1	628	18	0.00808601
0.0842353	0.98895	724	20	0.00399887
0.0725882	1	617	17	0.00677954
0.130941	1	1113	31	0.00710616
0.074035	1	631	18	0.00631168
0.0770588	1	655	18	0.00765347
0.0796471	1	677	18	0.00609982
0.0400152	1	632	18	0.00594975
0.101176	1	860	24	0.00635582
0.158824	1	1350	37	0.00549072
0.0954434	1	819	23	0.00635582
0.0483414	1	819	23	0.00635582
0.0715534	1	614	18	0.0054819
0.0818824	1	696	20	0.00509348
0.117882	1	1002	28	0.00646175
0.0609412	1	518	10	0.00963966
0.0736694	1	627	18	0.00594093
0.0730588	1	621	17	0.00649706
0.0988235	1	840	24	0.00430783
0.0355238	1	586	12	0.00996628
0.0716712	1	612	17	0.00765347
0.057618	1	492	14	0.00581734
0.0577533	1	492	14	0.00581734
0.0761826	1	649	18	0.005323
0.103765	1	882	25	0.0048728
0.0531765	1	452	13	0.00948959
0.070063	1	601	17	0.00888049
0.06989	1	597	15	0.00399887
0.0581197	1	646	18	0.00607334
0.0796283	1	677	19	0.00697375
0.0962262	1	946	26	0.00707085
0.0302583	1	594	17	0.00744161
0.0441308	1	594	17	0.00744161
0.0801177	1	681	19	0.00685899
0.0801177	1	681	19	0.00685899
0.0825645	1	707	20	0.00398121

0.111111	1	953	27	0.00729154
0.0723992	1	650	18	0.00847443
0.078904	1	671	14	0.00855387
0.0998356	1	850	22	0.0069914
0.0781176	1	664	19	0.00434314
0.0924706	1	786	21	0.00508466
0.0843684	1	720	18	0.00608217
0.144418	1	1229	34	0.0075034
0.144012	1	1229	34	0.0075034
0.0788871	1	689	19	0.00758285
0.0695114	1	606	17	0.00733567
0.117571	1	1001	25	0.00543776
0.0723532	1	626	18	0.00843029
0.101882	1	866	19	0.00401653
0.0679781	1	584	14	0.00578203
0.108247	1	924	21	0.00361046
0.120471	1	1024	27	0.00564962
0.0727059	1	618	15	0.00931304
0.0711765	1	605	13	0.0054201
0.0724609	1	742	21	0.00701788
0.0797042	1	679	14	0.00616161
0.0887954	1	760	16	0.00240991
0.0745954	1	636	18	0.00848325
0.085034	1	725	20	0.00489928
0.0690426	1	587	11	0.00888932
0.086215	1	733	20	0.00713264
0.0614066	1	523	13	0.00573789
0.0798403	1	680	12	0.00624989
0.0428143	1	600	12	0.00437845
0.0517161	0.743333	600	12	0.00437845
0.0704626	1	620	10	0.00661182
0.199412	1	1695	44	0.00634699
0.04995	1	650	13	0.00980738
0.0749712	1	650	13	0.00980738
0.0723595	1	1127	32	0.00552603
0.0395506	1	616	17	0.00865981
0.062401	1	591	15	0.00999276
0.06824	1	613	17	0.00485514
0.0741176	1	630	17	0.00622341
0.073935	1	630	17	0.00622341
0.0578505	1	605	17	0.00971028
0.0702353	1	597	17	0.00712381
0.0547059	0.744	625	17	0.00697375
0.0784038	1	668	19	0.00743278
0.0726381	1	622	15	0.00693844
0.0704706	1	599	17	0.00957787
0.0894118	1	760	19	0.00517293

0.0749412	1	637	18	0.00661182
0.122824	1	1044	26	0.00558783
0.0818768	1	698	18	0.00609099
0.0760921	1	648	16	0.0062852
0.0934118	1	794	19	0.00685016
0.0537805	1	712	20	0.00701788
0.0641176	1	545	12	0.00957787
0.06378	1	545	12	0.00957787
0.0721176	1	613	17	0.00697375
0.0759832	1	653	19	0.00592327
0.103561	1	890	25	0.00744161
0.0709412	1	603	17	0.00961318
0.0570458	1	487	14	0.00821843
0.0866252	1	739	18	0.00707085
0.0869412	1	739	18	0.00707085
0.0596491	1	510	10	0.00792712
0.0558824	1	475	13	0.00658534
0.0721176	1	613	12	0.00430783
0.0724706	1	616	17	0.00743278
0.0622353	1	529	14	0.00835967
0.0707059	1	601	17	0.00975442
0.0587088	1	602	11	0.00850974
0.0778088	1	669	19	0.00629403
0.0964706	1	820	23	0.00539362
0.0834115	1	711	16	0.00631168
0.0695294	1	591	17	0.0087216
0.050399	1	600	17	0.00779471
0.0636669	1	607	17	0.00927773
0.0405684	1	591	17	0.00981621
0.0898622	1	835	22	0.00741512
0.124085	1	1153	32	0.00756519
0.0739025	1	702	20	0.00695609
0.105257	1	907	25	0.00645292
0.086	1	731	21	0.00695609
0.0815491	1	697	20	0.0060292
0.0767059	1	652	13	0.00344274
0.105647	1	898	19	0.00482866
0.0706706	1	606	17	0.00936601
0.0674107	1	598	13	0.00723857
0.0753167	1	642	18	0.00926008
0.113591	1	967	22	0.00512879
0.0921377	1	784	22	0.00726506
0.0484355	1	791	18	0.00756519
0.0728235	1	619	10	0.00434314
0.0494061	1	678	19	0.00659416
0.0696582	1	593	11	0.00569376
0.0711765	1	605	17	0.00650589

0.0710177	1	605	17	0.00650589
0.0684521	1	639	18	0.00790064
0.0905882	1	770	21	0.0054201
0.0146696	0.235405	531	10	0.00747692
0.0824718	1	702	18	0.00978973
0.126646	1	1077	23	0.00492576
0.109831	1	934	25	0.0065412
0.0678654	1	619	16	0.00648823
0.0724701	1	661	19	0.00957787
0.037573	1	618	18	0.00561431
0.0574118	1	488	14	0.00847443
0.0571295	1	488	14	0.00847443
0.0698824	1	594	17	0.00889815
0.0695387	1	594	17	0.00889815
0.132368	1	1134	19	0.00617044
0.129412	1	1100	29	0.0054201
0.0848235	1	721	21	0.00434314
0.158	1	1343	36	0.00744161
0.0831765	1	707	20	0.00566727
0.0501271	1	631	16	0.00706202
0.0595806	1	750	20	0.00511114
0.0834118	1	709	20	0.00969263
0.0812887	1	709	20	0.00969263
0.0694444	1	610	18	0.00963966
0.0696665	1	610	18	0.00963966
0.0676471	1	575	15	0.00371639
0.108941	1	926	16	0.00614396
0.11	1	935	24	0.00300136
0.0864763	1	736	13	0.00632934
0.0752927	1	643	14	0.00416659
0.112376	1	1017	28	0.00645292
0.112706	1	958	28	0.00903056
0.0874118	1	743	19	0.00416659
0.07	1	595	17	0.00772409
0.0671765	1	571	14	0.00381349
0.0719737	1	613	18	0.00848325
0.0761176	1	647	14	0.00466976
0.0728932	1	647	17	0.00476687
0.0890588	1	757	21	0.00715913
0.0994118	1	845	24	0.00458149
0.0682353	1	580	16	0.0096838
0.068655	1	587	17	0.00667361
0.0788235	1	670	19	0.00941897
0.0694219	1	598	16	0.00949842
0.0672941	1	572	13	0.00899525
0.0708235	1	602	10	0.00594975
0.0623932	1	621	18	0.00660299



0.0753156	1	710	20	0.0068943
0.0519517	1	740	21	0.00889815
0.0260461	1	371	11	0.00889815
0.0554081	1	689	15	0.00601155
0.10969	1	1364	38	0.0065412
0.0828235	1	704	18	0.00677071
0.065613	1	631	15	0.00515528
0.0789262	1	688	19	0.00557017
0.101176	1	860	20	0.00700023
0.0703364	1	598	17	0.00645292
0.0649412	1	552	16	0.00765347
0.056563	1	602	17	0.00772409
0.0363097	1	612	15	0.00839498
0.0355384	1	599	17	0.0075034
0.0888328	1	774	22	0.00458149
0.0865227	1	737	21	0.00423721
0.0501755	1	629	18	0.00764464
0.0471442	1	591	17	0.00629403
0.104	1	884	22	0.00635582
0.103647	1	881	25	0.00893346
0.0569771	1	599	17	0.00779471
0.0732941	1	623	18	0.00758285
0.0698629	1	596	11	0.00645292
0.0694933	1	613	18	0.00927773
0.0391183	1	591	14	0.00729154
0.0792941	1	674	15	0.00859801
0.0619141	1	885	25	0.00619692
0.0491115	1	702	20	0.0082096
0.0492242	1	441	13	0.00902173
0.0686461	1	615	16	0.00855387
0.0710588	1	604	15	0.00677071
0.0711765	1	605	13	0.00980738
0.0711765	1	605	13	0.00980738
0.0950646	1	809	22	0.00645292
0.0305805	1	648	18	0.0092689
0.0707059	1	601	13	0.00918063
0.0978824	1	832	21	0.00581734
0.0391639	1	356	10	0.00736216
0.0710671	1	646	18	0.00930421
0.0991822	1	849	24	0.00767995
0.0874758	1	813	22	0.00649706
0.0479661	1	408	11	0.00873042
0.0803529	1	683	15	0.00482866
0.0716218	1	609	16	0.0056761
0.0843529	1	717	19	0.00651472
0.0927859	1	791	22	0.00727388
0.105689	1	901	24	0.00707085

0.0737158	1	1204	34	0.00526121
0.0551644	1	901	25	0.0062852
0.0718057	1	612	15	0.00865981
0.131412	1	1117	31	0.00623224
0.0702353	1	597	17	0.00981621
0.0613019	1	614	17	0.00957787
0.0712941	1	606	17	0.00694727
0.0693336	1	591	15	0.00760933
0.0720364	1	618	18	0.00539362
0.0431173	1	696	19	0.00432549
0.0729412	1	620	18	0.00911001
0.0467143	1	654	19	0.00695609
0.0926529	1	797	21	0.00669127
0.0343527	1	574	13	0.00944545
0.0861988	1	737	21	0.00730036
0.0490588	1	417	10	0.0056761
0.0691765	1	588	13	0.00667361
0.0540876	1	872	24	0.00502286
0.050042	1	835	23	0.00668244
0.0584362	1	994	28	0.00831553
0.108634	1	994	28	0.00831553
0.0688486	1	589	15	0.009622
0.0717709	1	614	13	0.00491693
0.0884759	1	757	21	0.0061881
0.07704	1	659	16	0.00435197
0.119626	1	1024	28	0.0067972
0.0708235	1	602	17	0.00961318
0.117294	1	997	22	0.00712381
0.0563994	1	880	19	0.00761816
0.0742644	1	636	16	0.00439611
0.0690588	1	587	16	0.00590562
0.0687032	1	587	16	0.00590562
0.0502615	1	788	22	0.00697375
0.0967105	1	832	23	0.0063823
0.0837946	1	772	21	0.00626754
0.0492941	1	419	10	0.00225102
0.0889412	1	756	21	0.00587913
0.02386	1	619	16	0.00950725
0.080757	1	687	18	0.00748574
0.0694395	1	591	16	0.00915415
0.0695294	1	591	17	0.00951608
0.0722353	1	614	17	0.00635582
0.0701363	1	597	17	0.00635582
0.129615	1	1306	37	0.00758285
0.0626821	1	710	20	0.00537597
0.0279099	1	587	15	0.00857153
0.074718	1	636	18	0.00722092

0.0767062	1	653	18	0.00636465
0.11594	1	987	23	0.00639996
0.0728235	1	619	17	0.00906587
0.0897647	1	763	21	0.00764464
0.0696471	1	592	17	0.00874808
0.0820171	1	701	16	0.0076005
0.0824706	1	701	16	0.0076005
0.066574	1	575	16	0.0060292
0.093695	1	798	23	0.00514645
0.0425836	1	625	13	0.00634699
0.0989303	1	1452	36	0.00330149
0.0528718	1	776	19	0.00739747
0.053962	1	792	21	0.00687664
0.0498241	1	425	12	0.00806836
0.0463668	1	603	15	0.00415777
0.0767397	1	998	27	0.00539362
0.0717038	1	614	15	0.00920711
0.0467512	1	608	15	0.00850974
0.0796962	1	829	17	0.00457266
0.0571044	1	594	15	0.00746809
0.0596039	1	620	18	0.00621458
0.0753898	1	643	18	0.00267474
0.0780865	1	666	18	0.00687664
0.0764706	1	650	14	0.00465211
0.138425	1	1178	31	0.00512879
0.137746	1	1178	31	0.00512879
0.0809221	0.99422	692	19	0.00580851
0.097036	1	825	20	0.00625872
0.0777427	1	664	19	0.00639996
0.105356	1	897	22	0.00831553
0.0675554	1	598	17	0.00744161
0.0613966	1	546	15	0.00579086
0.0718063	1	611	10	0.00932187
0.0717647	1	610	17	0.00883636
0.0870773	1	752	21	0.00708851
0.104	1	884	25	0.00720326
0.0554968	1	577	16	0.00630285
0.0989412	1	841	22	0.00373404
0.0717647	1	610	17	0.00594093
0.0684706	1	582	14	0.00809484
0.108152	1	922	26	0.00559665
0.0729412	1	620	18	0.00911884
0.0763529	1	649	18	0.00895111
0.0677295	1	582	16	0.00468742
0.0794321	1	677	15	0.00591444
0.07862	1	670	19	0.00530534
0.0549976	1	690	20	0.00999276

0.071143	1	605	17	0.00790064
0.114807	1	1063	29	0.00552603
0.0903975	1	771	22	0.00519941
0.07	1	595	17	0.0089776
0.0768158	1	771	22	0.00424604
0.0881176	1	749	21	0.00629403
0.0710784	1	609	17	0.00826257
0.100471	1	854	23	0.00481983
0.0709984	1	613	15	0.00911001
0.0738583	1	634	18	0.00695609
0.0702145	1	599	17	0.00993097
0.0393016	1	646	15	0.00632934
0.0670703	1	709	15	0.00727388
0.0817574	1	709	15	0.00727388
0.0718824	1	611	10	0.00587913
0.0729412	1	620	18	0.00551721
0.11858	1	1009	15	0.00855387
0.0792941	1	674	17	0.00914532
0.0842353	1	716	20	0.0068943
0.0617503	1	592	17	0.00719444
0.0621191	1	530	15	0.00693844
0.0915932	1	779	20	0.00702671
0.0707819	1	602	13	0.00518176
0.0828762	1	710	20	0.00722092
0.0727059	1	618	18	0.00616161
0.0721176	1	613	17	0.00584382
0.0470525	1	696	20	0.00938366
0.0541176	1	460	11	0.00822726
0.0949649	1	811	22	0.00225102
0.0352618	1	590	10	0.00828022
0.0754354	1	706	20	0.00988683
0.077796	1	665	16	0.00645292
0.0594121	1	665	16	0.00645292
0.0630088	1	596	17	0.00701788
0.0696471	1	592	17	0.00493459
0.0790023	1	681	19	0.00878339
0.0813474	1	710	20	0.00745926
0.0797229	1	679	19	0.00706202
0.0755977	1	645	18	0.00537597
0.0702715	1	603	12	0.00858918
0.0761176	1	647	18	0.00967497
0.072912	1	653	11	0.0063823
0.0634394	1	726	20	0.00539362
0.070122	1	598	17	0.00989566
0.123061	1	1047	25	0.00597624
0.0682806	1	581	16	0.00948077
0.0704706	1	599	13	0.00920711

0.0538551	1	600	17	0.00727388
0.0823529	1	700	17	0.00590562
0.0963076	1	819	16	0.00389294
0.0675294	1	574	16	0.00779471
0.0721529	1	619	18	0.009622
0.035922	1	593	14	0.00639996
0.0940031	1	801	19	0.00758285
0.0748268	1	648	18	0.00508466
0.0653867	1	596	10	0.00813015
0.10927	1	996	27	0.00764464
0.0618919	1	528	15	0.00632934
0.0675569	1	597	17	0.0087216
0.0406389	1	346	10	0.00764464
0.135599	1	1153	27	0.00308081
0.070967	1	604	12	0.00908353
0.0885912	1	754	21	0.00528769
0.0636471	1	541	16	0.00938366
0.0743529	1	632	16	0.00701788
0.0582353	1	495	15	0.0091718
0.0716471	1	609	17	0.00880104
0.0710358	1	620	12	0.00932187
0.0500176	1	427	11	0.00896877
0.0748235	1	636	18	0.00786533
0.0544947	1	859	23	0.00486397
0.0795268	1	679	14	0.00726506
0.0712943	1	607	16	0.00779471
0.0744356	1	633	14	0.00465211
0.070247	1	603	15	0.00919828
0.0712201	1	610	18	0.00953373
0.07	1	595	17	0.00527003
0.0696471	1	592	15	0.00919828
0.0727465	1	619	17	0.00652354
0.0889751	1	757	21	0.00764464
0.0682128	1	600	17	0.00692078
0.0306729	1	588	17	0.00875691
0.0352113	1	675	17	0.00385763
0.0742764	1	639	18	0.00345156
0.0871765	1	741	18	0.00646175
0.0997775	1	852	24	0.00543776
0.0582598	1	687	18	0.00991331
0.0921022	1	786	21	0.00639996
0.0696011	1	691	19	0.00520824
0.0592511	1	595	17	0.0066383
0.0827861	1	706	18	0.00601155
0.102115	1	869	17	0.00722092
0.0616471	1	524	15	0.00727388
0.0316832	1	592	17	0.00712381

0.0709412	1	603	17	0.00960435
0.0860063	1	732	20	0.00648823
0.0970304	1	843	23	0.00741512
0.0701176	1	596	14	0.00948077
0.0830588	1	706	20	0.00457266
0.0755294	0.904225	710	20	0.00540245
0.0441239	1	618	18	0.00599389
0.0673423	1	618	18	0.00599389
0.0704706	1	599	17	0.00619692
0.0704292	1	599	17	0.00619692
0.0700797	1	642	18	0.00918946
0.0705882	1	600	14	0.0087216
0.0777528	1	692	19	0.00584382
0.0629736	1	590	16	0.00991331
0.0632941	1	538	12	0.00875691
0.0608386	1	991	28	0.00539362
0.0314229	1	676	12	0.00786533
0.0595873	1	849	23	0.00621458
0.0963529	1	819	21	0.00687664
0.0751765	1	639	18	0.00640879
0.0751765	1	639	18	0.00640879
0.088	1	748	21	0.00669127
0.0760608	1	760	21	0.00838615
0.0750588	1	638	13	0.00941897
0.054057	1	992	26	0.00444025
0.1165	1	992	26	0.00444025
0.0401613	1	737	16	0.00582617
0.0728127	0.841248	737	16	0.00582617
0.0728235	1	619	18	0.00755636
0.0848235	1	721	20	0.00757402
0.0828235	1	704	18	0.00527003
0.060004	1	607	11	0.00880104
0.0714118	1	607	11	0.00880104
0.0588177	1	595	17	0.00965731
0.07	1	595	17	0.00965731
0.0658049	1	560	10	0.00481983
0.0784706	1	667	19	0.00682368
0.0715797	1	643	11	0.00587031
0.0682632	1	610	15	0.00949842
0.0607635	1	608	17	0.00744161
0.0950588	1	808	22	0.00975442
0.0797647	1	678	13	0.00537597
0.0767059	1	652	18	0.00463445
0.0567349	1	604	17	0.00794477
0.096778	1	823	45	0.00475804
0.0748355	1	637	18	0.00720326
0.0891765	1	758	21	0.00645292

0.0724119	1	647	17	0.00779471
0.0770588	1	655	18	0.00786533
0.0711435	1	606	17	0.00995745
0.0697647	1	593	17	0.00685016
0.0698824	1	594	16	0.00986918
0.0711765	1	605	11	0.0099398
0.0854118	1	726	20	0.00568493
0.0742353	1	631	18	0.00741512
0.0717647	1	610	17	0.00733567
0.0674065	1	577	16	0.00632934
0.0665759	1	587	17	0.00772409
0.0777467	1	835	23	0.00590562
0.0564246	1	606	14	0.00809484
0.0741176	1	630	18	0.00658534
0.0929412	1	790	22	0.00739747
0.0530255	1	588	17	0.00965731
0.0378853	1	832	21	0.00631168
0.0824706	1	701	17	0.00761816
0.0624497	1	543	15	0.00956904
0.0718286	1	667	19	0.00562313
0.0685423	1	592	16	0.00847443
0.0854992	1	727	21	0.00503169
0.0747059	1	635	15	0.00722092
0.0711765	1	605	17	0.00698257
0.0506349	1	638	18	0.00599389
0.0711765	1	605	13	0.00916297
0.101059	1	859	23	0.00562313
0.0723529	1	615	16	0.00646175
0.0511765	1	435	12	0.00742395
0.0697019	1	594	17	0.00932187
0.120842	1	1028	28	0.00632934
0.065939	1	592	16	0.00646175
0.0825962	1	719	18	0.00617927
0.0687184	1	585	17	0.00895994
0.067591	1	585	17	0.00895994
0.0401176	1	341	10	0.00912766
0.107529	1	914	25	0.00639996
0.0547059	1	465	13	0.0087216
0.0697378	1	601	17	0.00936601
0.0303106	1	606	16	0.00371639
0.0961403	1	822	23	0.00641761
0.0952047	1	814	21	0.00677071
0.0793115	1	682	18	0.00748574
0.0339262	1	597	17	0.00609099
0.0701913	1	620	18	0.00957787
0.0787059	1	669	19	0.00709733
0.0717647	1	610	16	0.00992214

0.0292823	1	592	17	0.00963966
0.0612339	1	532	15	0.00505817
0.104742	1	910	26	0.0025335
0.0690216	1	594	17	0.0068943
0.0840156	1	821	23	0.00552603
0.0703529	1	598	17	0.00747692
0.0696471	1	592	17	0.00565844
0.0703547	1	599	10	0.00957787
0.0450108	1	604	16	0.00963966
0.0842142	1	717	20	0.00533183
0.0841648	1	717	20	0.00533183
0.0801441	1	712	19	0.00666478
0.0703307	1	604	17	0.00898642
0.0632991	1	604	17	0.00898642
0.050689	1	629	17	0.009622
0.0717647	1	610	11	0.00780354
0.065673	1	586	17	0.00920711
0.0716471	1	609	15	0.00518176
0.0708235	1	602	15	0.0089776
0.0470364	1	469	13	0.0064794
0.0771765	1	656	17	0.00688547
0.0706822	1	602	17	0.00916297
0.000333667	0.00498339	602	17	0.00916297
0.0724706	1	616	15	0.00895111
0.0904706	1	769	20	0.00608217
0.0836471	1	711	20	0.00643527
0.0688235	1	585	17	0.00956904
0.0712954	1	612	17	0.00927773
0.0692941	1	589	12	0.00667361
0.0427059	0.536189	677	19	0.00893346
0.0408652	1	716	20	0.0030455
0.0833333	1	716	20	0.0030455
0.0583265	1	497	13	0.00804188
0.0216471	0.338858	543	11	0.00660299
0.0641176	1	545	13	0.0062852
0.0932941	1	793	20	0.00431666
0.0456582	1	754	21	0.00282481
0.0705882	1	600	13	0.00960435
0.0373606	1	620	16	0.0083067
0.0468213	1	777	16	0.00614396
0.0729412	1	620	17	0.00953373
0.0900901	1	770	21	0.00434314
0.0390315	1	640	18	0.00696492
0.0665882	1	566	12	0.00617927
0.0687182	1	594	17	0.00837732
0.0715294	1	608	18	0.00939249
0.0789412	1	671	19	0.00586148



0.102624	1	876	24	0.00966614
0.101542	1	876	24	0.00966614
0.119647	1	1017	28	0.00736216
0.137529	1	1169	33	0.00713264
0.0729412	1	620	16	0.00850974
0.0776471	1	660	18	0.00772409
0.0710434	1	606	16	0.00866863
0.109412	1	930	23	0.00519059
0.0871554	1	743	20	0.00558783
0.0687595	1	587	17	0.00994862
0.0691765	1	588	13	0.00982504
0.119598	1	1118	28	0.00592327
0.0705841	1	609	11	0.00594975
0.0745882	1	634	18	0.00978973
0.0955414	1	825	24	0.00608217
0.0717261	1	620	12	0.00607334
0.0381064	1	359	10	0.00624989
0.0585882	1	498	13	0.00876573
0.0354856	1	593	16	0.00648823
0.0472144	1	789	21	0.00552603
0.0799202	1	681	17	0.00748574
0.0749412	1	637	18	0.00361046
0.0708235	1	602	17	0.00714147
0.160706	1	1366	38	0.00508466
0.0709097	1	654	18	0.00649706
0.0700762	1	607	18	0.00990449
0.0792541	1	680	12	0.00661182
0.114588	1	974	28	0.00707085
0.0756471	1	643	18	0.00747692
0.076301	1	651	12	0.00423721
0.0649422	1	590	13	0.00931304
0.0389463	1	550	16	0.0089776
0.0364963	1	475	10	0.0083067
0.0420131	1	475	10	0.0083067
0.0363647	1	617	17	0.00918063
0.0757647	1	644	18	0.00874808
0.0729412	1	620	18	0.00986918
0.0843529	1	717	20	0.00992214
0.138273	1	1340	36	0.00765347
0.0698824	1	594	17	0.00932187
0.0695294	1	591	17	0.00970145
0.0676582	1	605	17	0.00899525
0.00866612	0.0731225	1012	26	0.00551721
0.0395855	1	615	14	0.00946311
0.0727059	1	618	18	0.00373404
0.0689412	1	586	17	0.00934835
0.0807059	1	686	20	0.00988683

0.0862353	1	733	17	0.00941897
0.102706	1	873	24	0.00439611
0.0743299	1	635	13	0.00554369
0.0787059	1	669	19	0.00609099
0.0816731	1	701	17	0.00428135
0.0735708	1	628	17	0.00561431
0.12008	1	1025	27	0.0061881
0.0557248	1	805	22	0.00428135
0.0725882	1	617	17	0.00779471
0.0844706	1	718	20	0.005323
0.0714621	1	609	17	0.00957787
0.0704706	1	599	17	0.00927773
0.0756471	1	643	18	0.00508466
0.111529	1	948	27	0.004811
0.0691765	1	588	17	0.00876573
0.0608338	1	518	13	0.00617927
0.0775294	1	659	17	0.0057732
0.0781012	1	668	12	0.00648823
0.0856438	1	729	19	0.0068943
0.0724944	1	617	17	0.00886284
0.0111878	1	700	20	0.00873042
0.0732499	1	632	14	0.00895111
0.0773064	1	667	19	0.00498755
0.0716471	1	609	17	0.00931304
0.0292408	1	649	19	0.00945428
0.0275738	1	612	18	0.00823608
0.0759122	1	647	15	0.00815664
0.0710588	1	604	17	0.00745043
0.0762274	1	649	18	0.00573789
0.0727059	1	618	17	0.00701788
0.0523487	1	633	18	0.00594975
0.0704706	1	599	17	0.00779471
0.0602003	1	535	15	0.00631168
0.0811668	1	793	21	0.00744161
0.117503	1	1148	32	0.00630285
0.0618812	1	625	18	0.00729154
0.06379	1	751	18	0.00496107
0.0569118	1	781	18	0.0060292
0.087818	1	749	19	0.00570258
0.0924672	1	901	24	0.00578203
0.0265142	1	605	17	0.00744161
0.104353	1	887	19	0.00720326
0.0874253	1	746	20	0.00533183
0.0724706	1	616	17	0.00418425
0.0694118	1	590	17	0.009622
0.0722038	1	632	17	0.0076976
0.0696471	1	592	16	0.00965731

0.0704706	1	599	13	0.0095249
0.0888432	1	778	22	0.00568493
0.0622992	1	601	15	0.00926008
0.0699	1	601	15	0.00926008
0.0691071	1	589	10	0.00753871
0.0718407	1	635	18	0.00620575
0.0563463	1	479	14	0.00635582
0.0439493	1	645	18	0.00645292
0.0383269	1	613	18	0.00904822
0.0715294	1	608	16	0.00820077
0.0913033	1	779	22	0.00422839
0.085721	1	730	20	0.00800657
0.11594	1	987	27	0.00648823
0.0405717	1	650	17	0.00451969
0.0753487	1	659	14	0.00708851
0.0702595	1	601	17	0.00896877
0.0524151	1	446	12	0.00940132
0.0814118	1	692	19	0.00416659
0.0773202	1	659	19	0.00589679
0.0604247	1	515	15	0.00849208
0.119294	1	1014	26	0.00429018
0.071332	1	633	18	0.00685016
0.0685882	1	583	16	0.0087216
0.0707059	1	601	17	0.00720326
0.076	1	646	18	0.00539362
0.0915294	1	778	18	0.00240991
0.0498824	1	424	12	0.0099398
0.124298	1	1107	23	0.00566727
0.12226	0.942186	1107	23	0.00566727
0.101647	1	864	24	0.00434314
0.1176	1	1027	27	0.00615279
0.0665293	1	581	14	0.00630285
0.0844706	1	718	17	0.0067972
0.0736957	1	678	19	0.00412246
0.044	1	374	11	0.00579086
0.0718824	1	611	17	0.00935718
0.0748235	0.912482	697	20	0.00633817
0.082	1	697	20	0.00633817
0.0995294	1	846	24	0.00407832
0.0995294	1	846	24	0.00407832
0.0825882	1	702	19	0.00511114
0.0718427	1	632	18	0.00696492
0.0733645	1	628	17	0.00659416
0.0422701	1	610	15	0.00790946
0.0543529	1	462	13	0.00847443
0.0662028	1	647	18	0.00494342
0.0737658	1	647	18	0.00494342

0.0689291	1	587	11	0.00660299
0.0698439	1	595	17	0.00890698
0.092167	1	786	21	0.00747692
0.0790441	1	688	18	0.00344274
0.101448	1	883	25	0.00752988
0.0847886	1	738	21	0.00607334
0.0618518	1	996	21	0.00893346
0.0703878	1	599	17	0.00374287
0.0518824	1	441	12	0.00599389
0.0853473	1	731	18	0.00596741
0.0587034	1	776	21	0.00701788
0.0725522	1	618	15	0.00683251
0.0882353	1	750	21	0.00444025
0.125088	1	1066	29	0.00254233
0.107369	1	915	25	0.00519941
0.0982353	1	835	23	0.00660299
0.0641705	1	581	17	0.0068943
0.107323	1	913	25	0.00423721
0.0503886	1	603	12	0.00766229
0.0764706	1	650	12	0.00698257
0.114514	1	976	26	0.0057732
0.114824	1	976	26	0.0057732
0.0922099	1	870	20	0.00558783
0.0881176	1	749	21	0.00754754
0.0708235	1	602	17	0.00660299
0.0767245	1	654	19	0.00739747
0.0722353	1	614	17	0.00588796
0.077965	1	708	19	0.00986918
0.0900975	1	767	21	0.00648823
0.0692651	1	590	16	0.00826257
0.0698521	1	595	12	0.00467859
0.0939188	1	800	22	0.00452852
0.061741	1	605	15	0.00786533
0.0706185	1	604	12	0.00889815
0.0852802	1	741	21	0.00653237
0.0748496	1	647	18	0.0083685
0.0406407	1	647	18	0.0083685
0.0843501	1	719	13	0.00698257
0.0347148	1	588	17	0.00999276
0.101361	1	864	21	0.00690313
0.0594638	1	743	15	0.00458149
0.0985882	1	838	19	0.00459031
0.0763529	1	649	18	0.00373404
0.103882	1	883	25	0.00592327
0.123956	1	1054	30	0.00632934
0.0710357	1	607	17	0.00639996
0.0687059	1	584	15	0.0072474

0.0702353	1	597	16	0.00804188
0.078461	1	675	19	0.00634699
0.0275117	1	606	17	0.00976324
0.0430148	1	565	16	0.00971028
0.0717348	1	619	14	0.00859801
0.0648575	1	619	14	0.00859801
0.0709412	1	603	16	0.00847443
0.0682881	1	584	16	0.00911001
0.0710588	1	604	12	0.0074063
0.0845783	1	719	20	0.00552603
0.0244528	1	496	14	0.00544658
0.0689493	1	588	16	0.00650589
0.106183	1	905	20	0.00195971
0.078	1	663	19	0.00693844
0.0728235	1	619	16	0.00570258
0.07068	1	607	16	0.00895994
0.099026	1	854	24	0.0046168
0.105867	1	913	25	0.00508466
0.0710588	1	604	10	0.00717678
0.0732941	1	623	17	0.00607334
0.0696991	1	593	17	0.00662065
0.0686899	1	593	17	0.00662065
0.0737647	1	627	16	0.0074063
0.102706	1	873	25	0.005835
0.0736471	1	626	17	0.00632934
0.076511	1	657	14	0.00630285
0.0398943	1	589	17	0.00804188
0.0476158	1	703	20	0.00315143
0.0600142	1	590	16	0.00966614
0.0602668	1	619	16	0.00791829
0.0792941	1	674	16	0.00672658
0.0818426	1	700	19	0.00631168
0.0680149	1	602	17	0.00706202
0.0369742	1	894	23	0.00893346
0.0738824	1	628	15	0.00928656
0.051429	1	646	15	0.00986918
0.0841176	1	715	20	0.00556134
0.0745882	1	634	18	0.00707085
0.103791	1	909	25	0.00465211
0.071135	1	623	12	0.00969263
0.0737532	1	630	18	0.00682368
0.0938824	1	798	22	0.00636465
0.0556231	1	595	16	0.00978973
0.101529	1	863	25	0.00515528
0.0379433	1	628	18	0.00810367
0.0627794	1	618	17	0.00670892
0.0897496	1	767	22	0.00363694

0.0769412	1	654	18	0.00765347
0.0711921	1	645	18	0.00847443
0.0217801	1	671	19	0.00425487
0.0456577	1	572	17	0.00704437
0.102621	1	971	27	0.0063823
0.0422105	0.444858	807	15	0.00631168
0.0712	1	712	19	0.0036546
0.0757647	1	644	18	0.00922477
0.113095	1	969	26	0.00547307
0.0802353	1	682	18	0.00639996
0.0692641	1	592	17	0.00672658
0.0691602	1	588	16	0.00791829
0.0716471	1	609	16	0.00722092
0.0762353	1	648	19	0.00991331
0.0845882	1	719	13	0.00631168
0.0627059	1	533	15	0.00608217
0.0722353	1	614	17	0.00677954
0.0698824	1	594	17	0.00632934
0.0791765	1	673	19	0.00630285
0.09	1	765	21	0.00624989
0.0712941	1	606	12	0.00980738
0.0707059	1	601	13	0.00791829
0.111294	1	946	27	0.00553486
0.0708235	1	602	15	0.00912766
0.0690588	1	587	17	0.00696492
0.0511765	1	435	13	0.00977207
0.0797647	1	678	17	0.00635582
0.0707059	1	601	17	0.00729154
0.0875294	1	744	21	0.00706202
0.0794118	1	675	14	0.00387528
0.0703529	1	598	17	0.00999276
0.0725882	1	617	16	0.00544658
0.0703529	1	598	17	0.00908353
0.136353	1	1159	33	0.0078565
0.0712941	1	606	17	0.00922477
0.0365358	1	602	17	0.00691195
0.0724706	1	616	18	0.00914532
0.0834607	1	710	19	0.00697375
0.081628	1	710	19	0.00697375
0.0755116	1	642	11	0.00979856
0.0712941	1	606	17	0.00635582
0.0714035	0.99026	616	17	0.00885401
0.0706809	1	601	15	0.00630285
0.0705399	1	601	15	0.00630285
0.074221	1	636	17	0.00756519
0.0729412	1	620	17	0.00838615
0.0407027	1	658	18	0.00429018

0.0747039	1	637	13	0.00697375
0.0434257	1	646	16	0.00581734
0.0371703	1	589	17	0.00719444
0.0687756	1	587	12	0.00701788
0.0730588	1	621	15	0.00646175
0.125396	1	1069	24	0.00587913
0.076	1	646	13	0.00728271
0.0754341	1	643	12	0.00676189
0.0813218	1	694	19	0.00650589
0.0696991	1	593	17	0.00850091
0.0584232	1	558	15	0.00975442
0.0804706	1	684	19	0.00766229
0.0996747	1	858	23	0.00590562
0.0766072	1	709	20	0.00614396
0.0808235	1	687	18	0.00399887
0.07	1	595	17	0.00975442
0.0357544	1	605	11	0.00945428
0.0675073	1	605	11	0.00945428
0.0702797	1	603	17	0.00784767
0.0729412	1	620	14	0.00820077
0.0836457	1	714	20	0.00295722
0.072	1	612	16	0.00901291
0.0856841	1	729	20	0.00587913
0.0694493	1	599	16	0.00770643
0.0712078	1	668	13	0.00758285
0.078542	1	668	13	0.00758285
0.0725882	1	617	17	0.00995745
0.0725882	1	617	17	0.00995745
0.0373592	1	597	10	0.00821843
0.0930832	1	794	22	0.00937483
0.0698868	1	599	17	0.00874808
0.0755834	1	651	19	0.00865981
0.0960614	1	839	24	0.00448438
0.0863981	1	740	21	0.00534065
0.0635562	1	598	11	0.00572907
0.0620002	0.894649	598	11	0.00572907
0.0724706	1	616	17	0.00883636
0.0754916	1	645	16	0.00552603
0.0757398	1	645	16	0.00552603
0.0674819	1	596	10	0.00742395
0.0745795	1	634	18	0.00902173
0.0838824	1	713	19	0.00429901
0.07	1	595	11	0.00949842
0.07	1	595	11	0.00949842
0.0918824	1	781	22	0.00829788
0.070845	1	607	14	0.00670892
0.0712692	1	607	14	0.00670892

0.0703529	1	598	17	0.00861567
0.066	1	561	15	0.00854505
0.0312258	1	604	17	0.00791829
0.0727592	1	621	12	0.00730036
0.0607356	1	753	14	0.00481983
0.0666237	1	826	23	0.00700023
0.0872168	1	743	19	0.00547307
0.0292143	1	596	16	0.00818312
0.0971765	1	826	23	0.00768878
0.0714118	1	607	17	0.00868629
0.073388	1	626	18	0.00439611
0.0710588	1	604	17	0.00991331
0.0954118	1	811	23	0.00911884
0.0898824	1	764	22	0.00614396
0.103765	1	882	25	0.00552603
0.102648	1	880	24	0.00599389
0.0368683	1	607	17	0.00981621
0.067863	1	832	21	0.00649706
0.106941	1	909	26	0.00741512
0.0711268	1	606	17	0.00633817
0.109089	1	1025	19	0.00893346
0.0469192	1	597	10	0.00224219
0.0685242	1	605	17	0.00908353
0.0635452	1	608	16	0.00865981
0.0689412	1	586	11	0.00660299
0.104657	1	899	24	0.00744161
0.0321932	1	913	26	0.00493459
0.0245416	1	696	20	0.00404301
0.0664546	1	585	17	0.0086245
0.046	1	391	10	0.00607334
0.0711781	1	609	17	0.00913649
0.100471	1	854	24	0.00621458
0.070196	1	598	13	0.00855387
0.0726611	1	619	10	0.00971911
0.029775	1	651	18	0.00564962
0.068662	1	585	17	0.00810367
0.102941	1	875	24	0.00493459
0.0859813	1	736	21	0.0048728
0.0865882	1	736	21	0.0048728
0.0708235	1	602	17	0.00946311
0.0848717	1	777	19	0.00957787
0.0283307	1	622	17	0.00621458
0.0456276	1	671	13	0.00599389
0.0912941	1	776	18	0.00630285
0.0702023	1	597	17	0.00659416
0.0642353	1	546	14	0.00931304
0.0839883	1	748	19	0.00572907



0.0701323	1	599	17	0.00793595
0.0855609	1	733	21	0.00745043
0.148	1	1258	36	0.00466094
0.0669466	1	590	11	0.0087216
0.0958824	1	815	23	0.00537597
0.0718824	1	611	14	0.00855387
0.0325095	1	538	15	0.00926008
0.0569412	1	484	14	0.00927773
0.0714029	1	994	24	0.00695609
0.0962635	1	827	20	0.00481983
0.0698487	1	600	14	0.00677954
0.0781141	1	671	19	0.00964849
0.0514434	1	613	17	0.00632934
0.00844872	0.110429	652	14	0.00786533
0.0765618	1	652	14	0.00786533
0.0872585	1	980	27	0.00616161
0.104968	1	1010	21	0.00682368
0.117936	1	1010	21	0.00682368
0.0714203	1	619	17	0.00839498
0.0679312	1	616	16	0.00886284
0.0398534	1	598	17	0.00707968
0.0688235	1	585	17	0.00511997
0.0721176	1	613	17	0.00991331
0.0569412	1	484	13	0.00772409
0.0751765	1	639	18	0.00539362
0.0831669	1	708	19	0.00581734
0.0739742	1	631	18	0.0068943
0.0911861	1	778	21	0.00607334
0.0857814	1	730	17	0.00530534
0.0635701	1	672	19	0.00869511
0.0740314	1	642	14	0.00521707
0.0709887	1	611	14	0.00820077
0.110941	1	944	26	0.00378701
0.0834118	1	709	20	0.00642644
0.103059	1	876	25	0.00527003
0.0722353	1	614	15	0.00610865
0.0996182	1	887	20	0.0056761
0.0742353	1	631	17	0.00590562
0.0789875	1	674	19	0.00765347
0.0792941	1	674	19	0.00765347
0.0568235	1	483	14	0.00972794
0.0757647	1	644	18	0.00600272
0.07	1	595	17	0.00873925
0.0688602	1	586	12	0.00289543
0.070161	1	597	12	0.00704437
0.0952941	1	810	22	0.00392825
0.0651265	1	592	17	0.00832436

0.0320093	1	494	14	0.00900408
0.06332	1	555	12	0.00564962
0.0721399	1	623	18	0.00783884
0.0492913	1	772	22	0.00535831
0.0395519	1	685	16	0.00668244
0.0805882	1	685	16	0.00668244
0.0768235	1	653	19	0.00949842
0.0689143	1	603	12	0.0059321
0.0710588	1	604	10	0.00950725
0.0650843	1	606	17	0.0074063
0.0978593	1	832	20	0.00847443
0.0978824	1	832	20	0.00847443
0.0779817	1	663	17	0.00661182
0.0858824	1	730	19	0.00576437
0.0677494	1	730	19	0.00576437
0.0707059	1	601	16	0.00852739
0.0986595	1	839	24	0.0054201
0.0853321	1	740	21	0.00331915
0.0721176	1	613	16	0.00753871
0.0811669	1	690	20	0.00718561
0.112824	1	959	27	0.00608217
0.136471	1	1160	28	0.00707968
0.0728235	1	619	14	0.00731802
0.0812297	1	1078	29	0.00949842
0.0614875	1	816	23	0.00600272
0.0153529	1	596	17	0.00847443
0.0140134	1	544	12	0.00764464
0.0173879	1	675	19	0.00347805
0.0158166	1	614	18	0.00698257
0.0157393	1	611	13	0.00983387
0.0190108	1	738	19	0.00483749
0.0717647	1	610	11	0.00649706
0.12566	1	1071	29	0.00601155
0.0793148	1	676	14	0.00533183
0.0382311	1	619	12	0.0083685
0.0527387	1	544	11	0.00887167
0.07173	1	612	17	0.00754754
0.0964604	1	823	22	0.00423721
0.0681224	1	599	17	0.00945428
0.11683	1	1001	20	0.00698257
0.0875235	1	745	21	0.00508466
0.18072	1	1541	39	0.00745043
0.0701835	1	608	17	0.00799774
0.0713029	1	608	17	0.00799774
0.0795337	1	689	20	0.00692961
0.0933568	1	794	23	0.00414011
0.096142	1	937	24	0.00761816

0.10068	1	873	23	0.00600272
0.0895752	1	873	23	0.00600272
0.0703529	1	598	14	0.00396356
0.0887059	1	754	21	0.00481983
0.0985882	1	838	24	0.00434314
0.118471	1	1007	27	0.00572907
0.0940499	1	833	16	0.00620575
0.0818222	1	749	22	0.00305433
0.0790911	1	724	19	0.00694727
0.117412	1	998	28	0.00662065
0.0972941	1	827	23	0.00270122
0.0691765	1	588	13	0.00741512
0.0697647	1	593	17	0.00650589
0.0859525	1	897	25	0.00605568
0.0977647	1	831	22	0.00702671
0.0695294	1	591	17	0.00981621
0.0334012	1	607	17	0.00697375
0.0798817	1	702	20	0.00848325
0.125278	1	1070	25	0.00587913
0.0700682	1	596	17	0.00578203
0.106631	1	907	24	0.00511997
0.0704639	1	600	15	0.00676189
0.0302676	0.431667	600	15	0.00676189
0.071923	1	613	17	0.00986918
0.114941	1	977	27	0.00428135
0.0643146	1	937	26	0.00543776
0.110235	1	937	26	0.00543776
0.0753655	1	1098	30	0.00255116
0.0818824	0.63388	1098	30	0.00255116
0.0431739	1	629	18	0.00554369
0.0587617	1	615	14	0.0076005
0.0779667	1	816	23	0.00755636
0.0752914	1	788	22	0.00744161
0.127882	1	1087	26	0.00617044
0.106	1	901	19	0.00630285
0.0469341	0.453975	956	27	0.0042637
0.0639126	1	591	17	0.00957787
0.0684546	1	633	18	0.00700023
0.0413444	1	588	17	0.0072474
0.0516333	1	588	17	0.0072474
0.0690588	1	587	14	0.00767112
0.0873741	1	755	21	0.0067972
0.0755605	1	755	21	0.0067972
0.129267	1	1117	31	0.00539362
0.111789	1	1117	31	0.00539362
0.0855665	1	728	20	0.00708851
0.104328	1	887	25	0.00959552

0.0461819	1	583	15	0.00869511
0.0726335	1	620	15	0.00565844
0.0744706	1	633	18	0.00373404
0.0844658	1	895	19	0.00458149
0.0701176	1	596	17	0.00980738
0.0889757	1	774	21	0.00722974
0.0672941	1	572	14	0.00632051
0.107176	1	914	26	0.00405183
0.101294	1	861	24	0.00941014
0.0706038	1	642	18	0.00806836
0.0716471	1	609	17	0.00803305
0.0743529	1	632	18	0.00828022
0.0949419	1	809	23	0.0056761
0.0725882	1	617	14	0.00558783
0.0720572	1	655	13	0.00632934
0.0607059	1	516	11	0.00766229
0.118353	1	1006	20	0.00599389
0.0696431	1	599	16	0.00738864
0.0828264	1	708	14	0.00558783
0.0705428	1	603	13	0.00668244
0.0553519	1	604	17	0.0095867
0.0904569	1	782	22	0.00466976
0.0889226	1	761	21	0.00452852
0.0399565	1	588	17	0.00677954
0.0698824	1	594	14	0.00722974
0.0797	1	680	20	0.00254233
0.0721176	1	613	17	0.00633817
0.0797647	1	678	19	0.00642644
0.0691196	1	588	16	0.00722974
0.0767059	1	652	18	0.00980738
0.0874648	1	808	21	0.00702671
0.0727059	1	618	17	0.00953373
0.0548069	1	667	15	0.00661182
0.0668151	1	570	14	0.00698257
0.130706	1	1111	31	0.00701788
0.0701176	1	596	17	0.00706202
0.0721819	1	616	18	0.00935718
0.0829412	1	705	18	0.00739747
0.0687837	0.832624	705	18	0.00739747
0.056	1	476	14	0.00852739
0.0717631	1	613	17	0.00913649
0.0709503	1	604	14	0.00771526
0.0812299	1	708	21	0.00692961
0.107294	1	912	19	0.00579086
0.0544706	1	463	13	0.00685016
0.07	1	595	17	0.0086245
0.0811378	1	696	20	0.00540245

0.0725882	1	617	17	0.00899525
0.0727059	1	618	13	0.00662947
0.0460997	1	393	11	0.00986918
0.0665476	1	596	10	0.00681485
0.0837715	1	717	29	0.0071503
0.075364	1	647	18	0.00632934
0.0726888	1	618	18	0.00633817
0.0885691	1	757	21	0.00633817
0.0644449	1	613	17	0.00910118
0.0712525	1	607	12	0.00762698
0.0595274	1	587	16	0.00742395
0.0706905	1	602	10	0.00931304
0.0458982	1	616	17	0.00928656
0.0716899	1	627	16	0.00955139
0.0827059	1	703	19	0.00650589
0.0805882	1	685	20	0.00622341
0.0717389	1	611	14	0.00649706
0.0931765	1	792	20	0.00666478
0.0742353	1	631	17	0.00829788
0.0692493	1	631	17	0.00829788
0.0711765	1	605	10	0.00680602
0.0693058	1	597	16	0.00940132
0.0677647	1	576	12	0.00711499
0.0940866	1	821	23	0.00633817
0.0749412	1	637	17	0.00601155
0.0652941	1	555	10	0.00614396
0.0849167	1	724	20	0.00764464
0.0685734	1	585	11	0.0067972
0.0692895	1	590	15	0.00901291
0.07	1	595	17	0.0099398
0.0934118	1	794	22	0.00562313
0.0674118	1	573	13	0.00660299
0.0720922	1	613	17	0.00648823
0.0353141	1	583	12	0.00909235
0.0725626	1	617	10	0.00957787
0.0724706	1	616	18	0.00926008
0.0702722	1	599	17	0.00564079
0.0525762	1	450	12	0.00975442
0.0452334	1	753	21	0.00466976
0.0689412	1	586	17	0.00591444
0.100706	1	856	23	0.00498755
0.0756471	1	643	18	0.00845677
0.0756471	1	643	16	0.0095867
0.0564175	1	480	10	0.00684133
0.0543617	1	597	17	0.00863332
0.068377	1	597	17	0.00863332
0.0842439	1	717	20	0.00745043

0.0684706	1	582	17	0.00912766
0.0711268	1	606	15	0.00966614
0.063455	1	544	11	0.00647058
0.0729154	1	620	17	0.00885401
0.0805671	1	699	16	0.005579
0.0703364	1	598	17	0.00873042
0.0453882	1	404	12	0.00918063
0.0705418	1	608	17	0.00692078
0.0729412	1	620	16	0.00903939
0.0720215	1	616	12	0.00722092
0.0418323	1	905	26	0.00424604
0.0695294	1	591	15	0.00871277
0.07	1	595	17	0.00943663
0.0784492	1	692	18	0.0056761
0.0861176	1	732	20	0.00892463
0.0824706	1	701	20	0.0066383
0.0676916	1	590	14	0.00972794
0.0885298	1	778	21	0.00993097
0.0840484	1	715	20	0.00415777
0.0780534	1	664	19	0.00240991
0.0672498	1	592	17	0.00902173
0.0762858	1	663	16	0.00659416
0.0489154	1	663	16	0.00659416
0.0707059	1	601	17	0.00779471
0.0680847	1	669	19	0.00692961
0.0747087	1	654	15	0.00617927
0.0634524	1	1041	30	0.00646175
0.0363891	1	597	17	0.00826257
0.0582091	1	496	14	0.00909235
0.100909	1	888	25	0.00635582
0.123711	1	1056	29	0.0066383
0.0876101	1	746	20	0.0062852
0.0652704	1	589	11	0.00718561
0.0689938	1	589	11	0.00718561
0.0700556	1	605	17	0.00953373
0.0428043	1	602	14	0.00549955
0.0513367	1	722	21	0.00572907
0.071929	1	616	16	0.00868629
0.097343	1	828	23	0.00514645
0.0737311	1	629	16	0.00741512
0.0903529	1	768	21	0.00954256
0.0699317	1	604	17	0.00973676
0.0732532	1	628	18	0.00727388
0.0728235	1	619	17	0.00632934
0.0846518	1	733	21	0.00760933
0.0803717	1	692	19	0.00745043
0.0652672	1	911	25	0.00748574

0.0783972	1	675	18	0.00790946
0.0508281	1	666	12	0.00971028
0.0776133	1	666	12	0.00971028
0.0447226	1	586	16	0.00874808
0.0682904	1	586	16	0.00874808
0.0963529	1	819	18	0.00547307
0.0953545	1	819	18	0.00547307
0.0705068	1	601	10	0.00824491
0.0831193	1	712	20	0.00621458
0.0373125	1	617	16	0.00720326
0.0724008	1	617	16	0.00720326
0.0451765	0.699454	549	10	0.00806836
0.0696418	1	593	17	0.00991331
0.0710588	1	604	17	0.00932187
0.0968235	1	823	23	0.00729154
0.0532252	1	453	10	0.00828905
0.0695294	1	591	16	0.00533183
0.0748594	1	639	16	0.005323
0.0709927	1	605	17	0.00997511
0.0497647	1	423	12	0.00948959
0.0740914	1	632	18	0.00986918
0.0418419	1	607	16	0.00594975
0.0411525	1	597	13	0.00995745
0.113668	1	968	26	0.00324853
0.0691765	1	588	16	0.00932187
0.0712941	1	606	16	0.00800657
0.0844507	1	718	20	0.00561431
0.0406556	1	640	17	0.00379584
0.0561864	1	668	18	0.00645292
0.0636905	1	1070	29	0.00551721
0.042619	1	716	17	0.00406066
0.0720478	1	615	17	0.00981621
0.120118	1	1021	29	0.00547307
0.110611	1	959	23	0.00767112
0.0711263	1	605	17	0.00685899
0.104941	1	892	18	0.00969263
0.0652786	1	580	16	0.00790064
0.076285	1	653	18	0.0088187
0.0929495	1	791	18	0.00589679
0.0751465	1	641	18	0.00960435
0.0739742	1	631	18	0.00742395
0.0270522	1	407	12	0.00631168
0.0359033	1	407	12	0.00631168
0.0422067	1	635	17	0.00741512
0.0560162	1	635	17	0.00741512
0.0702988	1	600	17	0.00832436
0.077563	1	662	18	0.00610865

0.110229	1	944	27	0.00765347
0.137059	1	1165	30	0.00362811
0.069446	1	603	17	0.00906587
0.07	1	595	17	0.00430783
0.0702924	1	601	10	0.00697375
0.0672941	1	572	16	0.0084656
0.0549044	1	609	17	0.00972794
0.0498519	1	808	23	0.0056761
0.0715878	1	610	16	0.00824491
0.072	1	612	17	0.00800657
0.0768235	1	653	19	0.00955139
0.0708235	1	602	17	0.00849208
0.0420956	1	597	17	0.00758285
0.0784774	1	668	16	0.00555251
0.0918824	1	781	19	0.00430783
0.0757647	1	644	18	0.00983387
0.0734118	1	624	18	0.00998393
0.0713362	1	607	17	0.00720326
0.0705882	1	600	11	0.00828022
0.0771765	1	656	19	0.0087216
0.0685882	1	583	16	0.00863332
0.0800705	1	681	18	0.00758285
0.0872941	1	742	18	0.0046168
0.0939472	1	804	22	0.00630285
0.0424706	0.366126	986	21	0.00504935
0.0868556	1	748	21	0.00716795
0.0496272	1	792	16	0.00412246
0.0943396	1	810	23	0.00650589
0.0700809	1	598	11	0.00515528
0.062967	1	986	24	0.00802422
0.0776471	1	660	19	0.00437845
0.0322124	1	387	11	0.00617044
0.0697647	1	593	17	0.00915415
0.0653989	1	564	15	0.00775057
0.0643529	1	547	16	0.0081125
0.046913	1	791	20	0.00632934
0.0697946	1	598	17	0.00733567
0.0718824	1	611	13	0.00599389
0.0710344	1	605	17	0.0095867
0.0711765	1	605	17	0.0095867
0.0715031	1	617	18	0.00639996
0.0814695	1	703	20	0.00682368
0.126484	1	1076	28	0.00563196
0.0699123	1	606	15	0.00874808
0.0652849	1	841	19	0.00590562
0.0643529	1	547	14	0.00990449
0.0675048	1	596	13	0.00658534



0.0792842	1	700	20	0.00986918
0.0694769	1	595	15	0.00874808
0.0921271	1	942	27	0.00452852
0.109003	1	1080	30	0.00556134
0.079021	1	1017	22	0.00713264
0.103811	1	918	23	0.00632934
0.0672688	1	648	15	0.00379584
0.074318	1	632	18	0.00969263
0.0752145	1	640	17	0.00751223
0.0674949	1	728	18	0.00555251
0.0878622	1	755	21	0.00949842
0.0665128	1	605	17	0.00515528
0.0688215	1	626	18	0.00741512
0.0845461	1	732	20	0.00549072
0.0963529	1	819	23	0.00609982
0.0863529	1	734	18	0.00874808
0.0802353	1	682	19	0.00831553
0.0707059	1	601	17	0.00888049
0.113958	1	974	27	0.00614396
0.0755159	1	644	18	0.00681485
0.0689935	1	595	16	0.00641761
0.0487189	1	637	18	0.00657651
0.0727059	1	618	17	0.00752988
0.0719568	1	613	15	0.00666478
0.0750588	1	638	18	0.00758285
0.0882353	1	750	18	0.00594975
0.0333978	1	604	13	0.00635582
0.0689374	1	591	12	0.0054201
0.0592173	1	637	18	0.00620575
0.0709236	1	622	18	0.00936601
0.0754571	1	879	21	0.00634699
0.0447169	1	879	21	0.00634699
0.068394	1	945	22	0.00690313
0.0608235	1	517	15	0.0052259
0.0817499	1	697	20	0.00649706
0.0824598	1	708	19	0.00609982
0.0764644	1	654	13	0.00852739
0.0177533	1	580	16	0.00608217
0.0652102	1	591	17	0.00882753
0.0646119	1	805	19	0.00652354
0.0918824	1	781	22	0.00595858
0.0364206	1	663	12	0.00739747
0.0665796	1	663	12	0.00739747
0.0329049	1	599	12	0.00993097
0.0601526	1	599	12	0.00993097
0.0218245	1	628	11	0.00741512
0.0766407	1	668	15	0.00806836

0.0991415	1	843	19	0.00698257
0.0685054	1	611	11	0.00538479
0.078598	1	675	14	0.00553486
0.0647769	1	553	16	0.00873042
0.0360686	0.55877	553	16	0.00873042
0.0722403	1	623	17	0.00735333
0.0494072	1	821	22	0.00558783
0.0965882	1	821	22	0.00558783
0.0704706	1	599	10	0.00963083
0.122225	1	1079	26	0.00552603
0.120526	1	1064	29	0.0048728
0.0749412	1	637	18	0.00745926
0.0688197	1	586	16	0.00844794
0.0986494	1	840	19	0.00634699
0.0691765	1	588	17	0.00878339
0.0727532	1	816	23	0.00720326
0.0667796	1	749	20	0.00698257
0.0737647	1	627	18	0.00572024
0.032511	1	593	17	0.00989566
0.0786556	1	674	19	0.0094278
0.0626398	1	588	16	0.00510231
0.0721047	1	617	18	0.00849208
0.00764706	0.10467	621	17	0.0052259
0.0632978	1	605	17	0.00832436
0.09892	1	861	21	0.0080154
0.0371886	1	609	14	0.00717678
0.0454759	1	388	11	0.00592327
0.0860128	1	741	19	0.00935718
0.0869616	1	741	19	0.00935718
0.0712941	1	606	12	0.00802422
0.07	1	595	17	0.00558783
0.0794321	0.788126	859	25	0.00570258
0.0319737	0.316647	859	25	0.00570258
0.0712941	1	606	17	0.00926008
0.0964419	1	824	23	0.00764464
0.0690381	1	590	16	0.00975442
0.0568042	1	599	15	0.00957787
0.0558559	1	589	17	0.00999276
0.0702538	1	598	17	0.00930421
0.0728235	1	619	17	0.00683251
0.0922353	1	784	19	0.0054201
0.0988567	1	856	23	0.00730036
0.0654468	1	583	14	0.00931304
0.058699	1	499	12	0.00908353
0.0673603	1	615	17	0.0077594
0.0702388	1	603	17	0.0083685
0.00585666	0.0978441	603	17	0.0083685

0.0382389	1	588	13	0.00950725
0.0453547	1	599	17	0.00914532
0.0693572	1	916	26	0.00617927
0.0393189	1	635	18	0.00423721
0.0765252	1	651	19	0.00539362
0.0380881	1	608	16	0.00946311
0.0611765	1	520	13	0.00760933
0.0701978	1	607	15	0.00792712
0.0742353	1	631	18	0.00944545
0.0635003	1	611	16	0.00743278
0.0734689	1	625	15	0.00866863
0.0749412	1	637	18	0.00557017
0.0620788	1	608	17	0.00791829
0.0724706	1	616	11	0.00649706
0.102627	1	875	22	0.0086245
0.0973805	1	829	20	0.0041048
0.0721176	1	613	17	0.00922477
0.0368211	1	341	10	0.00900408
0.0326547	1	478	13	0.00782119
0.0703529	1	598	17	0.00957787
0.0770588	1	655	16	0.009622
0.0455914	1	651	17	0.00831553
0.0707059	1	601	17	0.00837732
0.0691765	1	588	17	0.0095249
0.125936	1	1076	29	0.00621458
0.0800418	1	689	19	0.00330149
0.0556601	1	680	15	0.00594975
0.0593435	1	725	17	0.00570258
0.0323852	1	764	21	0.00589679
0.0723529	1	615	12	0.0093307
0.0719508	1	620	14	0.00690313
0.0419243	0.790233	901	21	0.00571141
0.0703304	1	613	17	0.00849208
0.0973087	1	828	23	0.00857153
0.0708328	1	603	17	0.00783884
0.0709412	1	603	17	0.00783884
0.0721674	1	614	17	0.0087216
0.0722353	1	614	17	0.0087216
0.0809235	1	694	18	0.00745043
0.0756663	1	653	18	0.00883636
0.042915	1	593	16	0.00932187
0.0708235	1	602	11	0.00780354
0.0205839	1	588	16	0.0099398
0.0916471	1	779	22	0.00972794
0.0415242	1	583	16	0.00493459
0.0685882	1	583	16	0.00493459
0.0831765	1	707	20	0.00498755

0.00176471	0.0212164	707	20	0.00498755
0.0710421	1	604	32	0.00947194
0.0902353	1	767	21	0.00972794
0.130746	1	1132	31	0.00412246
0.0465662	1	615	18	0.00928656
0.0469448	1	620	17	0.00991331
0.014966	1	588	17	0.00581734
0.0752259	1	641	16	0.00650589
0.0753674	1	641	16	0.00650589
0.0920823	1	792	21	0.00967497
0.0417647	1	355	10	0.00943663
0.0314334	1	391	11	0.00911001
0.0699579	1	598	16	0.00829788
0.0244536	0.377926	598	16	0.00829788
0.108118	1	919	26	0.00966614
0.0647545	1	745	18	0.00743278
0.0454118	0.895592	431	12	0.00871277
0.0341973	1	723	20	0.00842146
0.0850588	1	723	17	0.00986918
0.0717647	1	610	15	0.00850974
0.107716	1	920	26	0.0076005
0.0705882	1	600	17	0.00972794
0.0724706	1	616	13	0.00888932
0.0364972	1	601	13	0.00955139
0.0697647	1	593	17	0.00662947
0.0644855	1	747	20	0.00518176
0.0422353	1	359	10	0.00570258
0.114471	1	973	27	0.00936601
0.0417149	1	612	18	0.00706202
0.0697647	1	593	17	0.00850091
0.0787256	1	682	15	0.00607334
0.0670926	1	693	16	0.00610865
0.0688725	1	587	17	0.00847443
0.086518	1	935	21	0.00761816
0.0704013	1	607	17	0.00931304
0.0966133	1	833	23	0.00903939
0.143983	1	1224	28	0.00385763
0.143091	1	1224	28	0.00385763
0.0912941	1	776	22	0.00552603
0.0716205	1	613	17	0.00540245
0.108941	1	926	26	0.00515528
0.0734425	1	659	16	0.00549955
0.0764058	1	659	16	0.00549955
0.0398402	1	339	10	0.00972794
0.0717647	1	610	16	0.0069914
0.0705716	1	600	13	0.00682368
0.0933866	1	795	23	0.00423721

0.0933866	1	795	23	0.00423721
0.0715294	1	608	17	0.00756519
0.128763	1	1095	30	0.00761816
0.0772941	1	657	18	0.00693844
0.0789381	1	675	12	0.00308963
0.0557486	1	738	19	0.00514645
0.0744058	1	648	18	0.00880987
0.0703235	1	600	17	0.00817429
0.0918691	1	783	22	0.00880987
0.07505	1	638	18	0.00575555
0.120343	1	1040	29	0.00544658
0.0714787	1	611	14	0.00600272
0.0703529	1	598	17	0.00920711
0.0658018	1	563	13	0.00920711
0.0830996	1	711	19	0.00747692
0.0291335	1	625	12	0.00829788
0.0872941	1	742	21	0.00648823
0.0787078	1	709	20	0.00558783
0.0682353	1	580	16	0.00949842
0.11547	1	989	27	0.00648823
0.0629579	1	593	15	0.00981621
0.0672573	1	744	21	0.005323
0.0772106	1	661	18	0.00693844
0.0620255	0.532598	997	26	0.00632051
0.0702353	1	597	17	0.0086245
0.0698659	1	594	17	0.00736216
0.066139	1	869	24	0.00745043
0.0672941	1	572	15	0.00982504
0.041925	1	595	11	0.00930421
0.0663754	1	942	24	0.00698257
0.127899	1	1092	27	0.00418425
0.0806981	1	689	18	0.00622341
0.0431058	1	634	15	0.00413128
0.068	0.9248	625	18	0.00936601
0.0707047	1	607	15	0.0068943
0.0930693	1	799	18	0.00761816
0.088643	1	761	20	0.00981621
0.0766366	1	1029	29	0.00481983
0.086	1	731	19	0.00217157
0.126706	1	1077	29	0.00340743
0.0369589	1	596	17	0.0092689
0.0370532	1	596	17	0.0092689
0.122752	1	1051	29	0.00765347
0.122337	1	1051	29	0.00765347
0.0919648	1	784	16	0.00635582
0.0706	1	779	22	0.00748574
0.077864	1	662	18	0.00739747

0.0762174	1	648	14	0.00558783
0.0892731	1	759	21	0.00687664
0.0266334	1	598	13	0.00702671
0.0703529	1	598	13	0.00702671
0.118378	1	1010	28	0.00680602
0.103561	1	884	24	0.00434314
0.160235	1	1362	33	0.00299253
0.10362	1	896	21	0.00345156
0.0722934	1	615	16	0.00957787
0.0715294	1	608	11	0.00715913
0.0755294	1	642	17	0.00761816
0.0710588	1	604	17	0.00949842
0.0747059	1	635	18	0.00870394
0.0564293	1	592	17	0.00939249
0.0584654	1	605	17	0.00901291
0.0825882	1	702	15	0.00488162
0.0736471	1	626	18	0.00956904
0.0761636	1	648	18	0.00671775
0.0859183	1	734	21	0.00698257
0.0701176	1	596	13	0.00720326
0.0630149	1	589	16	0.00889815
0.0821789	1	700	20	0.00693844
0.0690027	1	640	18	0.00677954
0.050781	1	686	19	0.00728271
0.0953101	1	819	23	0.0052259
0.0345628	1	819	23	0.0052259
0.0689412	1	586	14	0.00976324
0.0905248	1	771	19	0.00523472
0.0692732	1	590	17	0.00876573
0.0702538	1	598	13	0.00853622
0.1085	1	928	26	0.00630285
0.0806433	1	702	20	0.00589679
0.0517221	1	440	11	0.00747692
0.0734884	1	632	17	0.00876573
0.100118	1	851	24	0.00747692
0.000470588	0.00590842	677	19	0.00584382
0.0796471	1	677	19	0.00584382
0.0406088	1	595	11	0.00383115
0.0613908	1	595	11	0.00383115
0.0896471	1	762	21	0.00935718
0.0710588	1	604	11	0.00730919
0.0710588	1	604	11	0.00730919
0.0743529	1	632	18	0.00534065
0.0747059	1	635	18	0.00982504
0.0779175	1	663	18	0.00566727
0.0742353	1	631	13	0.00491693
0.0742353	1	631	13	0.00491693

0.0712941	1	606	14	0.00909235
0.0786635	1	671	13	0.00791829
0.0542636	1	749	21	0.00435197
0.0702353	1	597	14	0.00698257
0.0729412	1	620	17	0.0095249
0.109873	1	937	26	0.00385763
0.0697647	1	593	17	0.00652354
0.0812941	1	691	19	0.00677954
0.0707059	1	601	17	0.00910118
0.0492744	1	601	17	0.00910118
0.0392335	1	606	17	0.00457266
0.0506975	1	785	22	0.00680602
0.0808235	1	687	19	0.00647058
0.0796471	1	677	19	0.0054201
0.090089	1	769	22	0.0067972
0.0693906	1	591	12	0.00820077
0.0737647	1	627	17	0.00617927
0.0737127	1	627	17	0.00617927
0.0557686	1	509	12	0.00849208
0.0744706	1	633	11	0.00788298
0.0455221	1	613	14	0.00886284
0.0699965	1	597	17	0.00866863
0.0395335	0.567839	597	17	0.00828905
0.0708864	1	607	17	0.00971028
0.0755294	1	642	18	0.0056761
0.0556013	1	473	11	0.0095867
0.0714507	1	924	25	0.00623224
0.0712204	1	611	17	0.00850974
0.0791219	1	692	13	0.00633817
0.0250587	1	608	16	0.00761816
0.0723529	1	615	15	0.00986035
0.0511938	1	446	13	0.00831553
0.0746076	1	637	18	0.00893346
0.068917	1	588	17	0.009622
0.0548922	1	616	12	0.00848325
0.0653438	1	652	19	0.00896877
0.0841176	1	715	15	0.00635582
0.0630408	1	612	14	0.00978973
0.0928235	1	789	21	0.00696492
0.0745882	1	634	18	0.00598506
0.0700011	1	634	18	0.00598506
0.0676357	1	577	16	0.00954256
0.0669607	1	577	16	0.00954256
0.0749412	1	637	18	0.00552603
0.0737647	1	627	15	0.00566727
0.0573659	1	676	19	0.00423721
0.0542225	1	748	21	0.00682368

0.0747126	1	637	15	0.00871277
0.0712941	1	606	13	0.00944545
0.0811214	1	761	22	0.00527886
0.0749235	1	637	14	0.00574672
0.0787059	1	669	16	0.00508466
0.0239628	1	655	19	0.0062852
0.0309459	1	655	19	0.00847443
0.0768846	1	922	26	0.00562313
0.0725231	1	620	16	0.00847443
0.0689412	1	586	12	0.0087216
0.044315	1	723	21	0.00389294
0.0843345	1	723	21	0.00389294
0.0427646	1	594	17	0.00874808
0.0301116	1	591	11	0.00765347
0.0761122	1	1047	29	0.00581734
0.0748235	1	636	16	0.00650589
0.0872941	1	742	20	0.00591444
0.0809412	1	688	20	0.0056761
0.0891765	1	758	22	0.00539362
0.0713446	1	607	17	0.00928656
0.0712857	1	606	15	0.00912766
0.0685206	1	616	18	0.00912766
0.070758	1	603	12	0.00986918
0.0749412	1	637	18	0.00720326
0.0721625	1	618	17	0.00965731
0.0709412	1	603	17	0.00931304
0.0913038	1	778	17	0.00748574
0.0621756	1	539	10	0.00268357
0.0247095	1	825	18	0.00956021
0.0573076	1	825	18	0.00956021
0.0778346	1	670	19	0.00727388
0.0889412	1	756	16	0.00415777
0.0785882	1	668	19	0.00969263
0.0651473	1	586	11	0.00610865
0.0918831	1	789	21	0.00610865
0.0470007	1	789	21	0.00610865
0.0491765	0.837675	499	12	0.00798891
0.068	1	578	12	0.00662947
0.0705882	1	600	15	0.00674423
0.0759821	1	646	13	0.00518176
0.07554	1	710	20	0.00966614
0.0702353	1	597	17	0.009622
0.102239	1	936	25	0.00539362
0.0890588	1	757	15	0.00552603
0.0692941	1	589	17	0.00911001
0.103368	1	884	24	0.005835
0.125468	1	1073	28	0.00727388



0.0856471	1	728	20	0.00948077
0.0712941	1	606	17	0.00986918
0.0382503	1	606	17	0.00847443
0.0381204	1	606	17	0.00847443
0.0802353	1	682	15	0.00507583
0.0998484	1	856	24	0.00900408
0.0649412	1	552	11	0.00922477
0.0473706	1	672	15	0.00677071
0.0463832	1	672	15	0.00677071
0.0536077	1	581	17	0.00793595
0.0688767	1	588	17	0.00784767
0.0689332	1	588	17	0.00784767
0.0809412	1	688	19	0.00564079
0.0667532	1	617	14	0.00803305
0.0742783	1	633	17	0.00927773
0.0506923	1	432	10	0.00703554
0.078	1	663	15	0.00579086
0.0696827	1	593	17	0.00706202
0.0553341	1	472	10	0.00572024
0.0522914	1	453	13	0.00922477
0.0686907	1	586	16	0.00994862
0.0694118	1	590	17	0.00779471
0.0391483	1	467	10	0.00848325
0.0707059	1	601	11	0.00666478
0.0657663	1	560	16	0.00756519
0.0802114	1	683	20	0.00331032
0.0589744	1	552	16	0.00918946
0.0650641	1	609	12	0.00898642
0.0637821	1	597	17	0.0087216
0.0456159	1	604	17	0.00865981
0.0454648	1	602	17	0.00650589
0.0806586	1	1068	20	0.00762698
0.0702353	1	597	17	0.00918063
0.0314221	1	525	15	0.00748574
0.0372277	1	622	17	0.00779471
0.0800861	1	707	20	0.00659416
0.0873239	1	992	26	0.0068943
0.116706	1	992	26	0.0068943
0.0850264	1	724	20	0.00966614
0.0749412	1	637	18	0.00539362
0.0703116	1	598	13	0.00246288
0.0887059	1	754	17	0.00643527
0.0692254	1	597	16	0.00978973
0.0805487	1	687	20	0.00605568
0.0759375	1	646	18	0.00617927
0.0683529	1	581	16	0.00984269
0.0849412	1	722	19	0.00759167

0.0703529	1	598	17	0.00669127
0.0477647	1	406	11	0.00995745
0.0756401	1	644	18	0.00783002
0.0679975	1	981	23	0.00645292
0.0789412	1	671	19	0.00647058
0.06659	1	579	16	0.00890698
0.0689534	1	587	17	0.00838615
0.0810747	1	691	18	0.00757402
0.110353	1	938	25	0.00632934
0.106468	1	907	22	0.00733567
0.0690732	1	597	17	0.00854505
0.0982279	1	837	23	0.0062852
0.0734603	1	625	17	0.00670009
0.0682298	1	582	10	0.00213626
0.127882	1	1087	24	0.00331915
0.0710231	1	613	17	0.00639996
0.0930779	1	792	23	0.00580851
0.0619738	0.870279	609	17	0.00918063
0.076	1	646	17	0.00668244
0.0781158	1	665	19	0.00508466
0.0702353	1	597	12	0.00820077
0.0622133	1	529	15	0.00951608
0.0825882	1	702	18	0.00558783
0.0409207	1	592	17	0.00960435
0.0419739	1	592	17	0.00960435
0.0662244	1	599	10	0.00515528
0.0844754	1	752	21	0.00620575
0.108235	1	920	25	0.00614396
0.0713703	1	612	17	0.00849208
0.0414052	1	607	16	0.00502286
0.00387642	0.0409938	805	22	0.00540245
0.094075	1	805	22	0.00540245
0.0695294	1	591	17	0.00978973
0.0827077	1	705	20	0.00511997
0.0701176	1	596	12	0.00695609
0.0712698	1	609	15	0.00991331
0.0596471	1	507	13	0.00533183
0.0883197	1	769	22	0.00875691
0.0701176	1	596	17	0.00686782
0.084	1	714	16	0.00660299
0.0762353	1	648	18	0.00865981
0.0571278	1	650	14	0.00647058
0.0559042	1	490	14	0.00982504
0.07	1	595	17	0.00918946
0.131529	1	1118	26	0.00956021
0.0476002	1	600	16	0.00822726
0.0472828	1	596	17	0.00603803

0.0756471	1	643	18	0.00645292
0.0773516	1	847	24	0.0056761
0.0701227	1	606	12	0.00916297
0.0878307	1	747	21	0.00493459
0.0748235	1	636	14	0.00602037
0.072	1	612	17	0.0062852
0.0741089	1	630	18	0.00839498
0.120927	1	1028	29	0.00601155
0.0932831	1	793	16	0.00515528
0.0691683	1	588	14	0.00698257
0.0708235	1	602	10	0.00936601
0.0734118	1	624	18	0.00902173
0.107108	1	996	28	0.00494342
0.0701176	1	596	17	0.00732685
0.0750588	1	638	18	0.00667361
0.0788235	1	670	14	0.00662947
0.0947418	1	809	23	0.00708851
0.082	1	697	20	0.00782119
0.0482446	1	415	12	0.00405183
0.0546756	0.849916	593	16	0.00857153
0.056719	1	520	14	0.00784767
0.101504	1	864	21	0.00228633
0.0744197	1	638	18	0.0067972
0.0519511	0.52619	840	23	0.00517293
0.0601015	1	592	17	0.00708851
0.0519872	1	603	17	0.0089776
0.0519267	1	442	12	0.00916297
0.0693873	1	590	10	0.00608217
0.0702023	1	597	17	0.00337212
0.0762353	1	648	18	0.00823608
0.0851765	1	724	20	0.00584382
0.0295813	1	580	17	0.00965731
0.0481659	1	411	12	0.00989566
0.0767059	1	652	19	0.00843029
0.0169632	1	574	17	0.00338094
0.0253266	1	857	24	0.00700023
0.0259176	1	877	25	0.00623224
0.0166085	1	562	16	0.00739747
0.0395118	1	1337	38	0.00533183
0.0166085	1	562	16	0.00918063
0.0166085	1	562	16	0.00878339
0.0179384	1	607	17	0.00767995
0.0166085	1	562	16	0.00764464
0.0244104	1	826	19	0.00752988
0.0187659	1	635	18	0.00519941
0.0741481	1	631	17	0.00529652
0.0280731	0.728956	594	16	0.00960435

0.0523671	1	594	16	0.00960435
0.0412344	1	636	18	0.00555251
0.0560698	1	636	18	0.00555251
0.0709569	1	763	21	0.00621458
0.0595183	1	640	18	0.00648823
0.0696259	1	629	17	0.0041048
0.0703529	1	598	16	0.00651472
0.0974118	1	828	20	0.00984269
0.0703529	1	598	15	0.00876573
0.0687398	1	630	18	0.00706202
0.075694	1	649	19	0.00574672
0.0812941	1	691	20	0.00611748
0.0698824	1	594	17	0.00806836
0.088575	1	997	28	0.005323
0.127727	1	1095	30	0.00632051
0.0676306	1	580	14	0.0091718
0.107109	1	913	25	0.00702671
0.100774	1	859	24	0.00321322
0.0717647	1	610	17	0.00988683
0.0947059	1	805	22	0.00214509
0.0729412	1	620	18	0.00886284
0.183882	1	1563	39	0.00240991
0.109882	1	934	17	0.0027895
0.142824	1	1214	33	0.00601155
0.111412	1	947	21	0.00481983
0.109626	1	935	21	0.00645292
0.0743529	1	632	16	0.00647058
0.0725882	1	617	11	0.00810367
0.0976825	1	843	24	0.00798008
0.0796102	1	727	19	0.00563196
0.0846391	1	740	17	0.00493459
0.072445	1	616	13	0.00992214
0.0552952	1	590	16	0.00847443
0.0923529	1	785	22	0.00738864
0.0697347	1	594	16	0.00789181
0.0808875	1	689	13	0.00761816
0.0361357	1	588	17	0.00865981
0.068917	1	588	17	0.00865981
0.0513455	1	622	17	0.00884518
0.0703529	1	598	17	0.00927773
0.110226	1	941	26	0.00729154
0.112211	1	1666	45	0.00601155
0.0480905	1	714	19	0.00758285
0.101473	1	868	22	0.00424604
0.108461	1	1046	29	0.00428135
0.078697	1	761	19	0.00534065
0.074822	1	641	19	0.00756519

0.0365327	1	609	15	0.00727388
0.07	1	595	12	0.00822726
0.0765168	1	652	18	0.00616161
0.0845882	1	719	20	0.00863332
0.0477201	1	742	21	0.0062852
0.0961538	1	820	23	0.00356632
0.0856509	1	733	19	0.00530534
0.0689139	1	599	17	0.00297488
0.0799159	1	684	17	0.00835084
0.0753143	1	695	20	0.00430783
0.0431222	1	674	19	0.0095867
0.0389635	1	609	17	0.00323087
0.0281169	1	456	13	0.00922477
0.0377358	1	612	17	0.00866863
0.0793721	1	713	15	0.0042637
0.0510973	1	610	18	0.00816546
0.0701426	1	600	17	0.0095867
0.076317	1	649	19	0.00643527
0.0521952	1	447	13	0.00728271
0.0865474	1	745	13	0.00649706
0.0876471	1	745	13	0.00649706
0.0813342	1	712	18	0.00270122
0.0835684	1	711	20	0.00542893
0.113529	1	965	23	0.00444025
0.0902515	1	786	22	0.00531417
0.116087	1	1011	29	0.00758285
0.0619259	1	600	17	0.00970145
0.0759018	1	646	19	0.00508466
0.0694118	1	590	17	0.00556134
0.0691271	1	590	17	0.00556134
0.116941	1	994	27	0.00413128
0.0605842	1	587	15	0.00860684
0.0685297	1	591	17	0.0061263
0.121962	1	1099	27	0.00760933
0.0530269	1	833	21	0.00345156
0.0955182	1	812	23	0.00755636
0.0961764	1	820	23	0.00406066
0.0964706	1	820	23	0.00406066
0.0380201	1	487	14	0.00412246
0.0495745	1	635	15	0.00972794
0.0718824	1	611	17	0.00991331
0.0754118	1	641	17	0.00859801
0.0781176	1	664	19	0.00823608
0.0499581	1	716	21	0.00708851
0.0380829	0.902235	716	21	0.00708851
0.0681176	0.994845	582	17	0.00560548
0.10738	1	921	26	0.00657651

0.0647059	1	550	15	0.00647058
0.0877666	0.933915	802	20	0.0075034
0.0943529	1	802	20	0.0075034
0.0753051	1	648	19	0.0035928
0.0398694	1	342	10	0.00610865
0.0698818	1	597	16	0.00591444
0.0767803	1	662	19	0.00950725
0.0694184	1	592	17	0.00843912
0.0689183	1	604	17	0.00575555
0.0669092	1	607	16	0.00965731
0.0692606	1	607	16	0.00965731
0.0687059	1	584	18	0.00854505
0.074	1	629	25	0.00742395
0.0521745	1	757	21	0.00590562
0.0723005	1	616	18	0.00772409
0.0701878	1	598	16	0.00591444
0.0699777	1	596	11	0.00850091
0.136706	1	1162	29	0.00552603

Fraction of negatively enriched windows in region

MAT-score on T(WTC vs. WTHF)

1	-3.76335
0	4.12209
1	-3.80165
1	-3.78589
0	4.50485
1	-4.01384
0	4.18865
0	4.39667
1	-3.85374
0	4.47381
1	-3.973
0	4.05252
1	-4.02762
0	4.00307
1	-4.05001
1	-4.06366
1	-4.01679
0.625	-4.12067
1	-4.01398
1	-4.01398
1	-4.12252
1	-4.16581
1	-4.00441
1	-3.74442
1	-4.06545
0	4.11361
0	4.39043
1	-3.71864
0	4.00406
0	4.19419
0	4.19419
1	-4.13651
0	4.3001
0	3.86011
0	3.9028
0	4.46996
1	-4.05506
0	4.06848
0	4.05734
0	4.02543
0	4.02543
0	4.08128
0	4.08128
0	4.47499

0	4.03773
0	3.94046
1	-3.82196
0	4.06557
0	4.38114
0	4.27635
0	4.1671
0	4.0189
0	4.0189
0	4.01336
0	4.03473
0	4.23452
0	3.94488
0	4.46528
0	4.19734
0	4.53793
0	4.21005
0	3.87075
0	4.23549
0	4.06357
1	-4.04221
0	4.8154
0	3.93612
0	4.29651
0	3.9022
0	4.05003
0	4.20095
0	4.14807
0	4.36412
0	4.36412
0	4.0987
0	4.13515
1	-3.73038
1	-3.73038
0	4.22475
0	3.92316
0	3.82116
0	4.30357
0	4.15066
0	4.15066
1	-3.73887
0	4.05164
0	4.06839
0	4.02687
0	4.07596
1	-3.74847
0	4.26175



0	4.09857
0	4.21891
1	-4.0514
0	4.14593
0	4.08178
0	4.06355
0	3.85392
0	3.85392
0	4.06964
0	4.1875
0	4.0257
0	3.84989
0	3.96049
0	4.05754
0	4.05754
1	-3.86379
0	4.10433
0	4.39321
0	4.02735
0	3.9503
0	3.84057
0	3.93113
0	4.14479
0	4.2375
1	-4.02531
1	-3.81371
0	3.98929
0	3.87513
0	3.83291
0	4.02935
0	4.01491
0	4.07049
1	-4.00677
0	4.07241
1	-4.05768
0	4.56136
0	4.30456
0	3.86823
1	-3.92183
1	-3.77324
1	-4.16242
0	4.04133
0	4.01466
0	4.38188
0	4.103
1	-4.09606
0	4.11104

0	4.11104
1	-3.86716
0	4.23564
1	-3.89883
1	-3.73404
0	4.29336
0	4.10721
0	4.11742
0	3.85404
0	4.21367
0	3.93898
0	3.93898
0	3.90154
0	3.90154
1	-4.04146
1	-4.1262
0	4.37813
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	19	5485652	5494339 NM_027877	chr19	5485240	5485826
	19	5468701	5477520 NM_021474	chr19	5475730	5476292
	11	5414644	5423469 NM_013842	chr11	5420025	5420620
	7	5404933	5414532 NM_030742	chr7	5409571	5410704
	17	5372695	5381249 NM_175349	chr17	5373573	5374688
	19	5363848	5372651 NM_001038231	chr19	5370328	5370930
X		5345925	5354467 NM_001031664	chrX	5349000	5349746
X		5345925	5354467 NM_001031664	chrX	5345919	5346701
	18	5331933	5340437 NM_178722	chr18	5335103	5335719
X		5216983	5225736 NM_021431	chrX	5217370	5217973
	19	5142652	5151151 BC034670	chr19	5148331	5149516
	19	4833415	4841914 NM_207268	chr19	4840553	4841137
	19	4836788	4845322 NM_016892	chr19	4840553	4841137
	12	4826269	4834768 NM_025323	chr12	4830138	4830735
	19	4791352	4799877 NM_009032	chr19	4798422	4799127
	16	4792526	4801046 BC064081	chr16	4795314	4795929
	11	4789346	4802292 NM_172438	chr11	4795094	4795704
	6	4691306	4699879 NM_130877	chr6	4695988	4696588
	6	4694538	4703100 NM_011360	chr6	4695988	4696588
	11	4644281	4652781 NM_138948	chr11	4650808	4651412
	19	4612333	4621502 NM_153388	chr19	4615508	4616188
	19	4588361	4596860 NM_008797	chr19	4588950	4589548
	10	4535076	4543651 NM_025995	chr10	4542370	4543241
	2	4538026	4546525 BC046822	chr2	4541017	4541696
	9	4370612	4386034 NM_145609	chr9	4382442	4382921
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	1	4347850	4356473 NM_011283	chr1	4349448	4350119
	14	4277097	4285596 NM_025940	chr14	4284495	4285139
	8	4247080	4255601 NM_133968	chr8	4251228	4251747
	19	3973523	4005886 NM_001001320	chr19	3990347	3991479
	19	3973523	4005886 NM_001001320	chr19	3987108	3987698
	19	3973523	4005886 NM_001001320	chr19	3978922	3979942
	6	3947987	3956486 NM_025331	chr6	3950259	3950846
	6	3915855	3924359 NM_009364	chr6	3920115	3920741
	6	3915855	3924359 NM_009364	chr6	3917155	3917948
	4	3898226	3906728 BC080838	chr4	3899806	3900525
	5	3895406	3905939 NM_001013023	chr5	3895602	3896219
	12	3885758	3894257 NM_153743	chr12	3893085	3893834
	12	3800007	3809565 NM_007872	chr12	3802805	3803376
	7	3750355	3758959 NM_175529	chr7	3751470	3752055
	11	3619703	3632580 BC058356	chr11	3624905	3625511
	4	3599272	3607931 NM_010747	chr4	3604453	3605176
	12	3566523	3575540 NM_007886	chr12	3570832	3571389
	11	3544467	3562794 BC057363	chr11	3547027	3547781
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	11	3544467	3562794 BC057363	chr11	3544710	3545296
	13	3531321	3540014 NM_008112	chr13	3533666	3534284

8	3487171	3503021	NM_053177	chr8	3495574	3496349
6	3441999	3450498	NM_178899	chr6	3445304	3445893
6	3442400	3450952	NM_024260	chr6	3445304	3445893
9	3329478	3340944	NM_026303	chr9	3339800	3340378
12	3307163	3315939	NM_016676	chr12	3308049	3308684
7	3278094	3286640	NM_181820	chr7	3281114	3281715
10	3128304	3136841	NM_172546	chr10	3132171	3132767
11	3090915	3099463	BC046305	chr11	3097688	3098373
11	3096395	3105264	NM_023743	chr11	3097688	3098373
11	3090915	3099463	BC046305	chr11	3092387	3092998
11	3042349	3050848	BC048950	chr11	3043951	3044989

gene overlap percent	region overlap percent	length(bps)	probes in region	p-value(region)
0.0776471	1	660	18	0.009622
0.0796054	1	694	20	0.00744161
0.0397935	1	663	19	0.00737981
0.0765324	1	663	18	0.0072474
0.117834	1	1003	21	0.00194206
0.0719282	1	617	14	0.00941014
0.0633437	1	976	26	0.00595858
0.0697647	1	593	17	0.00574672
0.0819807	1	697	13	0.00739747
0.0683006	1	588	16	0.0087216
0.0543036	1	641	18	0.00914532
0.0642996	1	594	16	0.00888049
0.112396	1	962	27	0.00173902
0.102922	1	877	25	0.00685016
0.0974118	1	828	23	0.00833319
0.0729412	1	620	13	0.00904822
0.0894477	1	779	13	0.00720326
0.072815	1	619	18	0.00747692
0.0790546	1	679	19	0.00802422
0.0729412	1	620	17	0.00790946
0.0694541	1	598	14	0.0089776
0.0707059	1	601	11	0.00790064
0.0862353	1	733	20	0.00821843
0.0716471	1	609	16	0.005579
0.112706	1	958	27	0.00466094
0.0695294	1	591	17	0.00621458
0.107272	1	922	25	0.00725623
0.0725882	1	617	13	0.00549072
0.0714118	1	607	11	0.00240991
0.0797885	1	679	19	0.00535831
0.0726156	1	804	22	0.00416659
0.0829628	1	709	20	0.00495224
0.0770767	1	656	19	0.00651472
0.0701176	1	596	17	0.00935718
0.065861	1	594	17	0.00742395
0.0716208	1	612	17	0.00956904
0.0819193	1	700	20	0.00935718
0.0871765	1	741	21	0.00258647
0.150235	1	1277	35	0.00480217
0.0807475	1	687	17	0.0035928
0.0765729	1	656	18	0.00629403
0.0749412	1	637	17	0.00786533
0.103367	1	881	24	0.00210095
0.0736471	1	626	17	0.00564962

0.0924706	1	786	21	0.00650589
0.0892941	1	759	21	0.00686782
0.120353	1	1023	27	0.0014742
0.0771765	1	656	18	0.00737981
0.084103	1	774	21	0.0078565
0.139904	1	1198	32	0.00196854
0.0917647	1	780	22	0.00816546
0.0885734	1	755	20	0.00436963
0.0932727	1	800	22	0.00631168
0.071395	1	607	14	0.00821843
0.0690577	1	620	18	0.00780354
0.0868235	1	738	21	0.00790946
0.0787059	1	669	19	0.00450204
0.0923812	1	793	18	0.00780354
0.139212	1	1195	34	0.0074063
0.0987884	0.583219	1454	41	0.00327501
0.0758824	1	645	15	0.00647058
0.107176	1	911	24	0.00205681
0.0628377	1	535	13	0.00603803
0.100588	1	855	20	0.00609982
0.0616669	1	768	22	0.00580851
0.0526738	1	656	14	0.00694727
0.130821	1	1118	31	0.00200385
0.0749412	1	637	13	0.00354867
0.082404	1	702	20	0.00746809
0.065754	1	586	15	0.0076976
0.0829412	1	705	20	0.00199502
0.0754118	1	641	13	0.0054201
0.0752941	1	640	18	0.00660299
0.0702703	1	598	17	0.00752105
0.0700727	1	598	17	0.00752105
0.0493442	1	839	20	0.00657651
0.111955	1	1076	30	0.00159778
0.0624285	1	600	17	0.00939249
0.0769321	1	655	19	0.00752105
0.0862717	1	734	17	0.00564962
0.10067	1	871	24	0.00129765
0.0686765	1	590	16	0.00729154
0.0892795	1	767	22	0.0032397
0.0709934	1	606	12	0.00500521
0.245647	1	2088	55	0.00210095
0.107294	1	912	21	0.00149185
0.0699031	1	599	17	0.00967497
0.0631836	1	647	18	0.00794477
0.0712197	1	609	13	0.00905704
0.0518251	1	487	14	0.00547307
0.0887954	1	760	16	0.00639996

0.120338	1	1026	29	0.00589679
0.120924	1	1031	17	0.00668244
0.0286301	1	627	17	0.00802422
0.0900552	1	767	19	0.00588796
0.0486656	1	682	13	0.00997511
0.0790816	1	682	13	0.00997511
0.0901444	1	793	21	0.00632051
0.0789412	1	671	15	0.00620575
0.0473618	1	719	20	0.00275419
0.0399183	1	606	11	0.00744161
0.0692558	1	617	16	0.0088187
0.101294	1	861	15	0.00639113
0.0876373	1	750	21	0.00828022
0.0539461	1	702	20	0.00640879
0.0809689	1	702	20	0.00640879
0.0644623	1	1004	29	0.00639996
0.0838523	1	1306	35	0.00135944
0.0505939	1	788	18	0.00500521
0.0758266	1	1181	31	0.00196854
0.0698824	1	594	17	0.00835967
0.0718824	1	611	17	0.00790946
0.10374	1	896	22	0.00180964
0.0716635	1	610	12	0.00861567
0.0789474	1	672	16	0.00843912
0.0700704	1	597	17	0.00884518
0.0717883	1	613	11	0.00828905
0.070555	1	600	17	0.00840381
0.223637	1	1915	53	0.00196854
0.120986	1	1036	29	0.00176551
0.109541	1	938	25	0.00680602
0.075908	1	650	17	0.00207447
0.0579404	1	494	11	0.00982504
0.0894118	1	760	22	0.00517293
0.225176	1	1914	43	0.00174785
0.12807	1	1090	26	0.0083685
0.0832648	1	709	19	0.00686782
0.0689129	1	587	12	0.0095249
0.0764451	1	652	18	0.00823608
0.0685882	1	583	17	0.00948077
0.0777713	1	663	18	0.00935718
0.0824165	1	869	24	0.0030455
0.129176	1	1098	29	0.00203033
0.0702816	1	604	11	0.00346922
0.0861542	1	733	15	0.00151833
0.107663	1	916	22	0.0019244
0.0834603	1	712	20	0.00399887
0.0956471	1	813	23	0.00671775

0.0776288	1	660	18	0.00657651
0.0844548	1	866	19	0.00814781
0.150868	1	1547	37	0.00154482
0.057636	1	591	10	0.0095867
0.134586	1	1146	31	0.00730036
0.0541366	1	585	13	0.00898642
0.0499616	1	585	16	0.009878
0.0602955	1	706	20	0.00159778
0.0394436	1	672	19	0.00820077
0.195813	1	1665	45	0.00109461
0.0645882	1	549	16	0.00886284
0.108339	1	925	22	0.00588796
0.0798782	1	682	16	0.00210095
0.158345	1	1370	36	0.00735333
0.150105	1	1787	49	0.00175668
0.0971861	1	1157	29	0.00686782
0.170967	1	1630	45	0.00196854
0.0417353	1	608	15	0.00495224
0.0639758	1	932	22	0.00196854
0.0936289	1	870	23	0.00156247
0.121647	1	1034	29	0.00403418
0.254471	1	2163	60	0.00416659
0.129412	1	1100	31	0.00805071
0.104222	1	990	28	0.00747692
0.121381	1	1153	32	0.00354867
0.0889412	1	756	21	0.00631168
0.0705191	1	720	19	0.00752988
0.0862249	1	743	21	0.00262178
0.113564	1	967	27	0.00757402
0.0718824	1	611	17	0.00647058
0.0716471	1	609	17	0.0063823
0.13199	1	1133	27	0.00199502
0.0407983	1	601	16	0.00664713
0.0729412	1	620	18	0.00732685
0.0787172	1	729	20	0.0063823
0.0698741	1	594	17	0.0073445
0.0775294	1	659	17	0.00694727
0.0718824	1	611	17	0.00969263
0.090621	1	772	22	0.00758285
0.0393068	1	558	14	0.00828905
0.0431812	1	613	16	0.00658534
0.0755294	1	642	18	0.00924242
0.0363113	1	593	16	0.00765347
0.044961	1	617	17	0.00731802
0.0718824	1	611	14	0.00758285
0.0717052	1	611	14	0.00758285
0.044	1	374	11	0.00787415



0.0991425	1	844	24	0.00658534
0.0350721	1	591	14	0.00685899
0.0765438	1	652	19	0.00588796
0.135595	1	1155	33	0.00149185
0.07137	1	609	18	0.00657651
0.206235	1	1753	46	0.00790946
0.0936471	1	796	16	0.00146537
0.109414	1	931	26	0.00555251
0.224588	1	1909	49	0.00127116
0.0974118	1	828	23	0.0054819
0.0717647	1	610	17	0.00986918
0.0695928	1	593	17	0.00880104
0.101034	1	860	22	0.00624989
0.0458213	1	602	13	0.00841263
0.00607903	0.0863787	602	13	0.00841263
0.114652	1	975	26	0.0020833
0.112183	1	954	27	0.00162426
0.0768556	1	701	20	0.00700023
0.0393969	1	648	18	0.00624106
0.0536843	1	883	22	0.00123585
0.0709412	1	603	16	0.00908353
0.0705924	1	603	16	0.00908353
0.0848235	1	721	20	0.00409597
0.0844065	1	721	20	0.00409597
0.0368898	1	603	17	0.0097809
0.0697647	1	593	12	0.00945428
0.0722353	1	614	18	0.00959552
0.0760782	1	658	18	0.00941014
0.0422837	1	611	17	0.00884518
0.0716884	1	611	17	0.00884518
0.0883586	1	759	15	0.00607334
0.025732	1	377	10	0.00643527
0.065208	1	602	17	0.00686782
0.0707164	1	610	17	0.00636465
0.0495973	1	622	14	0.00685016
0.0693654	1	622	14	0.00685016
0.055946	1	605	17	0.00745043
0.07987	1	688	18	0.00783002
0.0908985	1	783	21	0.00181847
0.0671765	1	571	14	0.00423721
0.0475294	1	404	12	0.00902173
0.0704209	1	599	17	0.009622
0.0686987	1	586	16	0.00831553
0.10628	1	963	20	0.00739747
0.052627	1	600	16	0.00652354
0.08394	1	957	25	0.0013153
0.0538549	1	614	10	0.00607334

0.102108	1	1080	27	0.00648823
0.118588	1	1008	28	0.00204799
0.0706228	1	601	17	0.009622
0.122353	1	1040	24	0.00210095
0.0689412	1	586	17	0.00913649
0.0721176	1	613	13	0.00752105
0.066518	1	1074	27	0.00829788
0.0693058	1	597	15	0.00936601
0.0221829	1	827	23	0.00749457
0.0980277	1	835	23	0.0063823
0.101802	1	870	23	0.00828905
0.102353	1	870	23	0.00828905
0.0721176	1	613	14	0.00809484
0.0695294	1	591	17	0.00880104
0.0403822	1	727	20	0.0076005
0.0415987	1	612	17	0.00947194
0.0381521	1	645	17	0.0074063
0.0424701	1	718	20	0.00632934
0.0695357	1	593	17	0.0096838
0.0627513	1	593	17	0.0096838
0.0920991	1	788	22	0.00436963
0.0801177	1	681	19	0.00735333
0.0449455	1	586	15	0.00911001
0.100755	1	867	24	0.00821843
0.0848235	1	721	20	0.00624106
0.067987	0.989882	593	17	0.00868629
0.0802353	1	682	13	0.00867746
0.137356	1	1170	28	0.00169488
0.115688	1	1028	25	0.00574672
0.0834118	1	709	19	0.00930421
0.0809412	1	688	18	0.0078565
0.125412	1	1066	25	0.00181847
0.0876966	1	747	21	0.00372522
0.0482621	0.550201	747	21	0.00372522
0.0686816	1	584	15	0.00998393
0.0705882	1	600	15	0.00854505
0.0727059	1	618	16	0.00669127
0.0468251	1	587	16	0.0060292
0.0719528	1	902	25	0.00386646
0.0623803	1	782	22	0.0073445
0.130026	1	1630	46	0.00185378
0.0502683	1	534	15	0.00737981
0.05545	1	613	13	0.00671775
0.006	0.0244253	2088	56	0.00201268
0.0695294	1	591	14	0.00717678
0.192588	1	1637	46	0.00758285
0.137529	1	1169	28	0.00707085

0.0672515	1	598	17	0.00677071
0.0585617	1	592	14	0.00767112
0.0771583	1	656	19	0.00674423
0.0851564	1	724	17	0.00686782
0.06337	1	824	22	0.00641761
0.12546	1	1092	23	0.00720326
0.0774357	1	674	19	0.00448438
0.0758605	1	648	11	0.00960435
0.0941232	1	804	19	0.00653237
0.118942	1	1016	22	0.00555251
0.0721143	1	616	13	0.00816546
0.072	1	612	11	0.00594093
0.0711111	1	608	17	0.00713264
0.0737647	1	627	18	0.00547307
0.148588	1	1263	34	0.00176551
0.0962353	0.992718	824	24	0.00355749
0.0363769	1	598	17	0.00969263
0.0722353	1	614	11	0.00619692
0.0661426	1	589	17	0.00742395
0.108302	1	938	25	0.00356632
0.109044	1	938	25	0.00356632
0.0699777	1	596	15	0.00865098
0.0818363	1	697	20	0.00973676
0.122941	1	1045	29	0.00765347
0.0623535	1	532	15	0.00115641
0.0972941	1	827	17	0.00151833
0.119294	1	1014	26	0.00137709
0.078143	1	813	17	0.00662947
0.0815182	1	741	18	0.00165075
0.0851485	1	774	21	0.00562313
0.0643564	1	585	17	0.00319556
0.103154	1	883	21	0.0015713
0.0837099	1	778	20	0.00546424
0.0703529	1	598	16	0.00135944
0.0687428	1	596	17	0.00963966
0.0738216	1	628	18	0.00604686
0.0729712	1	892	21	0.00788298
0.0481839	1	589	11	0.00939249
0.0703529	1	598	17	0.00949842
0.0882042	1	750	21	0.0063823
0.0726015	1	619	18	0.00615279
0.0725571	1	620	16	0.00869511
0.0384498	1	628	18	0.00775057
0.121656	1	1987	54	0.00205681
0.0364905	1	596	14	0.0094278
0.0455373	1	450	13	0.00850091
0.136102	1	1160	30	0.00508466

0.109703	1	935	24	0.00196854
0.0854159	1	728	21	0.00444907
0.0886908	1	756	20	0.00815664
0.21431	1	1866	45	0.00146537
0.0749412	1	637	18	0.0068943
0.0791765	1	673	19	0.00961318
0.0792941	1	674	15	0.00804188
0.0762353	1	648	18	0.00930421
0.0928235	1	789	21	0.00195971
0.131059	1	1114	27	0.00114758
0.0738824	1	628	13	0.00996628
0.0390364	1	619	16	0.00772409
0.0684238	1	797	23	0.00794477
0.0711172	1	620	17	0.00910118
0.0620228	1	528	10	0.00985152
0.0445837	1	619	18	0.00996628
0.0694118	1	590	10	0.00880104
0.0748914	1	638	17	0.00854505
0.072924	1	620	16	0.00809484
0.0705106	1	620	16	0.00809484
0.0433328	1	596	11	0.00930421
0.102941	1	875	24	0.00829788
0.0794118	1	675	18	0.00957787
0.0703529	1	598	15	0.00758285
0.081338	1	693	19	0.00442259
0.0453389	1	606	17	0.00888049
0.0430316	1	599	17	0.00880104
0.0428161	1	596	14	0.0090747
0.0684585	1	596	17	0.00553486
0.0747059	1	635	16	0.00664713
0.113882	1	968	27	0.00438728
0.0817066	1	699	20	0.00674423
0.0767059	1	652	17	0.00748574
0.0811316	1	694	19	0.00739747
0.0985981	1	844	21	0.00194206
0.076009	1	678	19	0.00507583
0.114471	1	973	23	0.00499638
0.113376	1	1769	40	0.00210095
0.208118	1	1769	40	0.00210095
0.0586426	1	915	21	0.00399887
0.107647	1	915	21	0.00399887
0.0572967	1	894	24	0.00489928
0.105176	1	894	24	0.00489928
0.0381978	1	596	17	0.00996628
0.0636471	0.907718	596	17	0.00996628
0.113325	1	967	27	0.00765347
0.0390005	1	334	10	0.00717678

0.0529163	1	450	13	0.00130647
0.0704553	1	605	17	0.00620575
0.0886311	1	764	22	0.00808601
0.0451835	1	629	17	0.00978973
0.0723529	1	615	13	0.0078565
0.0285113	1	447	13	0.00635582
0.0954118	1	811	16	0.00601155
0.137647	1	1170	32	0.00200385
0.0704679	1	613	14	0.00960435
0.0600279	1	516	15	0.00951608
0.0715878	1	610	16	0.00951608
0.0704143	1	600	17	0.00832436
0.0859292	1	731	21	0.00379584
0.0329569	1	855	23	0.00723857
0.0542353	1	461	13	0.00592327
0.0617647	1	525	15	0.00538479
0.0575294	1	489	13	0.00627637
0.072	1	612	15	0.00739747
0.0417647	1	355	10	0.00620575
0.0821176	1	698	20	0.00828905
0.116316	1	1172	32	0.00169488
0.0593489	1	598	17	0.00965731
0.0760193	1	647	18	0.00686782
0.143816	1	1629	45	0.00807719
0.065772	1	745	21	0.00609982
0.0527942	1	598	17	0.00661182
0.0839802	1	714	19	0.0054819
0.0303823	1	639	16	0.00720326
0.0767062	1	653	18	0.00546424
0.0718824	1	611	17	0.00402535
0.0717647	1	610	15	0.00727388
0.0855294	0.663321	1096	30	0.00140358
0.0550169	1	471	13	0.0087216
0.0411785	1	608	15	0.00783002
0.0464362	1	415	11	0.00604686
0.116704	1	1092	30	0.00135944
0.0691461	1	647	13	0.00409597
0.0870451	1	897	22	0.00653237
0.134692	1	1388	38	0.00197737
0.0938203	1	1377	34	0.00636465
0.0556653	1	817	20	0.00165075
0.117412	1	998	26	0.00828022
0.107859	1	925	22	0.00194206
0.0843433	1	1030	29	0.00186261
0.0673108	1	822	23	0.00178316
0.121986	1	1037	20	0.00172137
0.124809	0.998119	1063	27	0.0074063

0.0693336	1	591	17	0.00954256
0.0287156	0.433164	591	17	0.00954256
0.0802768	1	1044	29	0.00879222
0.0997325	1	1044	29	0.00879222
0.0622044	1	605	17	0.009622
0.0517493	1	673	19	0.00615279
0.0704308	1	600	14	0.00939249
0.085614	1	732	19	0.00467859
0.171647	1	1459	35	0.00755636
0.0982693	1	846	19	0.00165075
0.0801769	1	834	17	0.00650589
0.0895982	1	932	20	0.00241874
0.112478	1	1170	33	0.00188909
0.169579	1	1446	38	0.00151833
0.169798	1	1446	38	0.00151833
0.0609828	1	520	14	0.00876573
0.0610615	1	520	14	0.00876573
0.0690747	1	589	12	0.00746809
0.120329	1	1024	21	0.0036546
0.119738	1	1024	21	0.0036546
0.106071	1	912	24	0.00728271
0.0905288	1	779	17	0.0076976
0.0854801	1	730	17	0.00524355
0.0797618	1	683	13	0.00452852
0.0727059	1	618	13	0.00956904
0.067019	1	596	10	0.009878
0.0711765	1	605	17	0.00303667
0.108353	1	921	25	0.00203033
0.0738824	1	628	18	0.00744161
0.072	1	612	17	0.00951608
0.0738129	1	628	18	0.00763581
0.105991	1	904	24	0.00110344
0.0716379	1	611	13	0.00979856
0.109529	1	931	19	0.00645292
0.0696355	1	724	18	0.00299253
0.0803116	1	835	23	0.00413128
0.112322	1	969	26	0.00207447
0.114028	1	973	24	0.00165958
0.0857647	1	729	17	0.00869511
0.0842353	1	716	14	0.00747692
0.0705721	1	618	17	0.00816546
0.0783442	1	670	19	0.00672658
0.0758714	1	838	23	0.00194206
0.0782254	1	864	24	0.00774174
0.0847915	1	722	20	0.00686782
0.0707059	1	601	17	0.00692961
0.0782356	1	674	19	0.00778588

0.0597274	1	517	14	0.00981621
0.0725882	1	617	17	0.00996628
0.0724859	1	617	17	0.00996628
0.0801177	1	681	19	0.00722092
0.0485414	1	609	16	0.00749457
0.0732477	1	627	18	0.00963083
0.0711263	1	605	17	0.0092689
0.049329	1	522	10	0.00551721
0.0431405	1	733	17	0.0078565
0.0216451	1	801	23	0.00765347
0.119718	1	1020	25	0.00768878
0.12	1	1020	25	0.00768878
0.108451	1	924	25	0.00640879
0.050089	1	619	13	0.00744161
0.086	1	731	21	0.00655885
0.0809197	1	732	20	0.00134178
0.0712778	1	608	17	0.00718561
0.0717025	1	617	17	0.00945428
0.0486457	1	449	10	0.00733567
0.0623529	1	530	15	0.00721209
0.0381337	0.818868	530	15	0.00721209
0.0556271	1	475	13	0.0076976
0.0358356	0.445415	687	16	0.00829788
0.0693954	0.970395	608	17	0.00834201
0.0742394	1	632	18	0.00755636
0.0759317	1	654	19	0.00964849
0.0727059	1	618	17	0.00960435
0.0714369	1	610	15	0.00982504
0.0383361	1	623	11	0.00997511
0.0695043	1	645	16	0.0094278
0.0712941	1	606	12	0.00996628
0.0734118	1	624	17	0.0069914
0.0690263	1	587	15	0.00969263
0.0793184	1	675	19	0.00784767
0.0747059	1	635	18	0.00997511
0.0476734	1	752	21	0.00524355
0.0716471	1	609	17	0.00616161
0.0473268	1	694	20	0.00680602
0.0485566	1	693	19	0.00746809
0.119879	1	1027	28	0.00127116
0.0707059	1	601	17	0.00627637
0.0907059	1	771	21	0.00728271
0.0334723	1	827	23	0.00780354
0.0730708	1	642	11	0.00706202
0.0720428	1	620	18	0.00810367
0.0622353	0.998113	530	15	0.00940132
0.075008	1	702	20	0.00707085

0.0669943	1	627	16	0.0076005
0.096	1	816	19	0.00969263
0.0456002	1	754	18	0.00760933
0.0846262	1	720	19	0.00992214
0.0936471	1	796	20	0.00645292
0.0711263	1	605	17	0.00841263
0.07114	1	634	18	0.00799774
0.0562206	1	634	18	0.00733567
0.0715066	1	786	22	0.00579969
0.0895189	1	761	22	0.00935718
0.0722353	1	614	12	0.00956021
0.0838399	1	731	14	0.0064441
0.0765786	1	667	19	0.00508466
0.0723529	1	615	18	0.00935718
0.166491	1	1422	38	0.00201268
0.0725352	1	618	14	0.00816546
0.113372	1	1393	40	0.00609982
0.104527	1	889	23	0.00814781
0.070732	1	602	13	0.0090747
0.091314	1	779	22	0.00783002
0.0688235	1	585	14	0.0085627
0.0923529	1	785	22	0.00842146
0.0394242	1	619	15	0.00664713
0.0512465	1	444	13	0.00194206
0.118998	1	1031	23	0.00210978
0.185942	1	1611	42	0.00180964
0.0759697	1	662	15	0.00865098
0.0689412	1	586	15	0.00534948
0.0749412	1	637	18	0.00737981
0.128307	1	1096	31	0.00626754
0.0815968	1	697	19	0.00802422
0.0905374	1	775	22	0.00624106
0.0771765	1	656	19	0.00646175
0.100235	1	852	24	0.00839498
0.0715294	0.990228	614	16	0.00882753
0.0705882	1	600	16	0.00925125
0.0844527	1	723	20	0.0042637
0.069022	1	590	10	0.00832436
0.0854118	1	726	20	0.00703554
0.0682442	1	597	13	0.00685016
0.0505232	1	618	15	0.00880104
0.0723399	1	618	15	0.00880104
0.0849836	1	751	22	0.00840381
0.0750733	1	640	15	0.00852739
0.0696745	1	593	13	0.00905704
0.0595786	1	608	17	0.00852739
0.117882	1	1002	28	0.00677071



0.0707059	1	601	17	0.00843912
0.0697647	1	593	17	0.00747692
0.0672381	1	604	17	0.00880104
0.0844394	1	738	17	0.00758285
0.0868031	1	738	17	0.00758285
0.0511116	1	446	12	0.0099398
0.0847537	1	721	16	0.00620575
0.048829	1	417	11	0.00694727
0.101176	1	860	24	0.00821843
0.04371	1	689	19	0.00772409
0.117176	1	996	28	0.00657651
0.051018	1	654	15	0.00965731
0.0722821	1	617	11	0.00722092
0.0731132	1	682	20	0.00596741
0.0695962	1	605	15	0.00717678
0.0689534	1	589	15	0.009878
0.0696471	1	592	17	0.00752105
0.0682218	1	582	17	0.00945428
0.0630943	1	637	18	0.00911001
0.0701176	1	596	13	0.00632934
0.0774254	1	664	17	0.00694727
0.0738824	1	628	17	0.00913649
0.0995294	1	846	24	0.00658534
0.0788091	1	675	19	0.00619692
0.072627	1	619	17	0.00760933
0.0703712	1	599	10	0.00631168
0.0847163	1	730	20	0.00786533
0.0316641	1	607	17	0.009878
0.07	1	595	17	0.00739747
0.0802412	1	692	18	0.0080154
0.112789	1	1001	28	0.00427252
0.0598824	1	509	14	0.00762698
0.0804664	1	697	14	0.00908353
0.120191	1	1034	28	0.00196854
0.0671651	1	575	14	0.00738864
0.0579206	1	683	15	0.00825374
0.0492998	1	683	15	0.00825374
0.0694786	1	593	17	0.009622
0.0936255	1	799	22	0.00760933
0.0704706	1	599	17	0.0082096
0.0816398	1	703	20	0.00165075
0.0679668	1	582	16	0.00697375
0.0655294	1	557	16	0.00954256
0.112118	1	953	27	0.00802422
0.115059	1	978	28	0.00730919
0.0618557	1	642	13	0.00680602
0.072	1	612	18	0.00690313

0.09	1	765	21	0.00674423
0.0695294	1	591	17	0.00896877
0.070196	1	598	17	0.00793595
0.117647	1	1000	28	0.00200385
0.0534057	1	748	21	0.00646175
0.0431514	0.529412	748	21	0.00646175
0.0737647	1	627	18	0.00813015
0.0703529	1	598	17	0.00770643
0.181882	1	1546	36	0.00150951
0.0734118	1	624	18	0.00803305
0.0832843	1	708	16	0.00686782
0.0703529	1	598	15	0.00955139
0.0493938	1	603	17	0.00572907
0.092	1	782	20	0.00732685
0.0919027	1	782	20	0.00732685
0.131182	1	1199	28	0.00496107
0.100411	1	855	22	0.00758285
0.0708235	1	602	17	0.0078565
0.123059	1	1046	25	0.00609982
0.0354669	1	763	20	0.00702671
0.0807059	1	686	19	0.00978973
0.0874884	1	751	20	0.00181847
0.084401	1	751	20	0.00181847
0.0689412	1	586	14	0.009622
0.0897647	1	763	21	0.00902173
0.0709428	1	605	17	0.00937483
0.0716376	1	612	17	0.00702671
0.0955294	0.99877	813	23	0.00640879
0.074	1	629	18	0.00764464
0.0762353	1	648	18	0.0078565
0.0742974	1	653	15	0.0095249
0.0710779	1	608	13	0.00950725
0.0727059	0.976303	633	16	0.00496107
0.0736732	1	633	16	0.00496107
0.0718824	1	611	16	0.00867746
0.0711127	1	611	16	0.00867746
0.164824	1	1401	39	0.00747692
0.0731765	1	622	16	0.00835084
0.0805965	1	935	25	0.00787415
0.0741	1	636	17	0.00616161
0.142724	1	1225	31	0.00181847
0.0883732	1	754	20	0.00768878
0.092	1	782	22	0.00631168
0.0851765	1	724	21	0.00688547
0.0528541	1	450	12	0.00888049
0.0587822	1	836	23	0.00766229
0.0983529	1	836	23	0.00766229

0.0785882	1	668	17	0.00924242
0.0694118	1	590	17	0.00725623
0.104289	1	890	20	0.00186261
0.0694868	1	593	17	0.0068943
0.0767059	1	652	18	0.00631168
0.0665647	1	566	10	0.00993097
0.0744706	1	633	13	0.00609982
0.0774118	1	658	19	0.00733567
0.0842353	1	716	17	0.00630285
0.0709574	1	710	20	0.00668244
0.0285317	1	616	17	0.00802422
0.0275127	1	594	14	0.00905704
0.0609412	1	518	10	0.00892463
0.0378204	1	633	18	0.00778588
0.0620349	1	842	24	0.00842146
0.0414433	1	657	16	0.00880104
0.0845882	1	719	16	0.00747692
0.0737834	1	658	12	0.00669127
0.0703435	1	602	16	0.00691195
0.0885877	1	791	20	0.00786533
0.0568697	1	589	17	0.00803305
0.0979448	1	834	17	0.00661182
0.0696091	1	593	17	0.00675306
0.0710389	1	612	17	0.00768878
0.072	1	612	17	0.00768878
0.0731148	1	669	18	0.00717678
0.0698824	1	594	17	0.00890698
0.0891578	1	759	20	0.00181847
0.0972941	1	827	23	0.00686782
0.0924706	1	786	21	0.00604686
0.0767059	1	652	16	0.00786533
0.0573682	1	640	13	0.0081125
0.0874118	1	743	20	0.00719444
0.070591	1	608	13	0.00937483
0.061825	1	664	19	0.00744161
0.0553073	1	594	16	0.00744161
0.0404697	1	448	13	0.00930421
0.106308	1	905	25	0.00677071
0.0776869	1	712	20	0.00639996
0.0437139	1	960	25	0.00764464
0.046219	1	393	11	0.00981621
0.0709412	1	603	16	0.005579
0.0575294	0.796417	614	16	0.00674423
0.109412	1	930	19	0.0068943
0.0696471	1	592	15	0.00624106
0.0716791	1	613	12	0.00752988
0.0706905	1	602	11	0.0078565

0.0856205	1	730	13	0.00555251
0.082634	1	709	20	0.00151833
0.0825882	1	702	18	0.00386646
0.0891765	1	758	21	0.00773291
0.0723599	1	616	17	0.00572907
0.0723769	1	616	17	0.00572907
0.0788206	1	671	19	0.00854505
0.03736	1	587	17	0.00905704
0.0629905	1	594	16	0.00937483
0.0464898	1	396	11	0.00700023
0.0714957	1	609	13	0.00941897
0.0794974	1	677	18	0.00557017
0.0718824	1	611	18	0.00729154
0.0877111	1	748	21	0.0068943
0.0791916	1	674	19	0.0054819
0.116438	1	991	26	0.00199502
0.0775467	1	660	18	0.00213626
0.0827059	1	703	20	0.00698257
0.0618247	1	618	16	0.00799774
0.0726631	1	618	16	0.00799774
0.0711864	1	609	17	0.00933952
0.0900901	1	770	22	0.00671775
0.0606497	1	1094	31	0.00832436
0.0705882	1	600	17	0.009622
0.0517742	1	785	21	0.00813015
0.104119	1	958	27	0.00802422
0.103765	1	882	25	0.00757402
0.0629412	1	535	12	0.00882753
0.0429133	1	644	13	0.00909235
0.0722353	1	614	14	0.00997511
0.132	1	1122	32	0.00787415
0.104795	1	896	23	0.005323
0.0385492	1	643	17	0.005323
0.0697019	1	594	17	0.00997511
0.125647	1	1068	30	0.00794477
0.0708235	1	602	13	0.00635582
0.106588	1	906	25	0.00201268
0.102343	1	904	25	0.00677071
0.116927	1	994	27	0.00431666
0.0615294	1	523	14	0.00707968
0.0362748	1	564	14	0.00780354
0.0342941	1	564	14	0.00780354
0.0858824	1	730	20	0.00737981
0.0663421	1	586	17	0.00912766
0.0603131	1	524	15	0.009622
0.075097	1	639	18	0.00551721
0.0822852	1	700	20	0.00837732

0.0851483	1	735	19	0.00307198
0.0712941	1	606	16	0.00982504
0.0802353	1	682	19	0.00710616
0.0831572	1	708	20	0.00786533
0.0831083	1	708	20	0.00786533
0.0952941	1	810	22	0.00804188
0.108941	1	926	27	0.00153599
0.0791765	1	673	19	0.00941014
0.117176	1	996	28	0.00210095
0.0743529	1	632	18	0.00671775
0.117176	1	996	28	0.00172137
0.121529	1	1033	29	0.00753871
0.0965323	1	824	21	0.00763581
0.0958585	1	824	21	0.00763581
0.046235	1	859	24	0.00737981
0.0639753	1	580	17	0.00880987
0.0669559	0.939145	608	17	0.00812133
0.111398	1	950	26	0.00508466
0.0975294	1	829	23	0.00634699
0.0258216	0.291918	829	23	0.00634699
0.0685841	1	589	12	0.00728271
0.0987424	1	848	20	0.00159778
0.0718824	1	611	17	0.00864215
0.112608	1	961	26	0.00283364
0.0705031	1	604	15	0.0085627
0.106989	0.998944	947	26	0.00686782
0.0836355	1	715	18	0.00730036
0.0724706	1	616	18	0.00880104
0.0811765	1	690	12	0.00829788
0.0702353	1	597	16	0.00793595
0.0712271	1	606	17	0.00978973
0.0739206	1	642	17	0.00841263
0.0892626	1	759	19	0.00720326
0.0932363	1	794	18	0.00831553
0.0335597	1	588	17	0.00677071
0.0684358	1	588	17	0.00677071
0.0325492	1	797	23	0.00540245
0.126353	1	1074	25	0.00774174
0.0364706	0.438472	707	20	0.00784767
0.0831765	1	707	20	0.00784767
0.0565706	1	483	13	0.0090747
0.338018	1	2886	78	0.00159778
0.0729412	1	620	15	0.0074063
0.0561257	1	782	22	0.00419308
0.0714118	1	607	17	0.00906587
0.0787808	1	672	19	0.00669127
0.0934272	1	796	20	0.00721209

0.0705801	1	612	17	0.0092689
0.278588	1	2368	60	0.0019244
0.12192	1	1044	28	0.00203916
0.0677647	1	576	16	0.00619692
0.0972941	1	827	23	0.00803305
0.07106	1	606	17	0.00842146
0.0681304	1	602	17	0.00844794
0.0865882	1	736	19	0.00186261
0.0705882	1	600	17	0.00829788
0.0733427	1	624	14	0.00744161
0.114716	1	976	26	0.00210095
0.0702353	1	597	17	0.00886284
0.0743529	1	632	18	0.00664713
0.0756471	1	643	18	0.00392825
0.0456457	1	445	12	0.00737981
0.0520711	1	445	12	0.00737981
0.0602113	1	587	17	0.0090747
0.0577172	1	491	14	0.00903939
0.0924646	1	789	19	0.00682368
0.0978554	1	835	22	0.0064794
0.079419	1	678	18	0.00955139
0.0760742	1	648	12	0.00657651
0.0757647	1	644	15	0.0080154
0.0714118	1	607	10	0.00904822
0.101349	1	864	24	0.00717678
0.223765	1	1902	46	0.00181847
0.0782337	1	675	16	0.00565844
0.0487059	1	414	10	0.00949842
0.0717261	1	620	12	0.00829788
0.0687182	1	594	17	0.00737981
0.0704722	1	600	13	0.00752988
0.0722764	1	615	17	0.00905704
0.0851039	1	725	20	0.00790946
0.0696103	1	618	17	0.00784767
0.0657134	1	602	17	0.0092689
0.0708235	1	602	17	0.0092689
0.101765	1	865	24	0.00546424
0.0696471	1	592	17	0.00754754
0.0626876	1	543	15	0.00806836
0.139831	1	1195	29	0.00143006
0.105195	1	899	23	0.00484631
0.0769412	1	654	19	0.00498755
0.106569	1	962	24	0.00776822
0.0545975	1	687	19	0.00694727
0.116824	1	993	28	0.0019244
0.0688807	1	616	16	0.0060292
0.102471	1	871	24	0.00635582

0.0921176	1	783	15	0.00688547
0.0195588	1	625	18	0.00829788
0.106878	1	909	25	0.00754754
0.0718472	1	613	16	0.00825374
0.116824	1	993	22	0.00728271
0.189647	1	1612	36	0.00146537
0.0547061	1	712	16	0.00745043
0.0629754	1	712	16	0.00745043
0.074	1	629	18	0.00729154
0.0609155	1	519	10	0.00841263
0.0535525	1	606	17	0.00668244
0.0706788	1	606	17	0.00668244
0.0315118	1	696	14	0.00309846
0.0691062	1	593	16	0.00752105
0.176471	1	1500	40	0.00200385
0.0595294	1	506	13	0.00994862
0.0905882	1	770	18	0.00829788
0.0711765	1	605	11	0.00933952
0.0647523	1	566	16	0.00975442
0.07	1	595	17	0.0089776
0.0866034	1	757	17	0.0083685
0.0741176	1	630	18	0.00746809
0.0875895	1	746	17	0.00458149
0.0396419	1	589	16	0.00888932
0.0830588	1	706	20	0.00813898
0.0849412	1	722	21	0.00661182
0.0848235	1	721	20	0.00652354
0.0855294	1	727	21	0.00650589
0.0882353	1	789	20	0.00325736
0.0643777	1	915	24	0.00784767
0.0269642	1	615	17	0.00530534
0.0296826	1	677	18	0.00799774
0.0606309	1	517	14	0.00880104
0.0622353	1	529	15	0.00787415
0.0703529	1	598	17	0.0082096
0.0690588	1	587	17	0.00983387
0.0709336	1	604	11	0.00994862
0.0695294	1	591	10	0.00844794
0.0491862	1	825	21	0.00635582
0.0689534	1	589	17	0.00894229
0.109882	1	934	24	0.00626754
0.0772941	1	657	18	0.00772409
0.0660449	1	786	22	0.00465211
0.0384818	1	585	17	0.00935718
0.0714958	1	608	17	0.00641761
0.101453	1	866	25	0.00557017
0.262184	1	2238	55	0.00207447

0.112488	1	1625	45	0.00790946
0.0769773	1	655	18	0.00971028
0.0858752	1	732	21	0.00733567
0.0701176	1	596	12	0.00766229
0.07058	1	606	17	0.00579969
0.0846693	1	845	24	0.00690313
0.0872941	1	742	16	0.00746809
0.0804114	0.99422	692	19	0.00659416
0.0978363	1	832	20	0.00489045
0.0661138	1	566	14	0.00770643
0.0631936	1	541	15	0.00772409
0.0208235	0.287338	616	16	0.0093307
0.106471	1	905	25	0.00153599
0.0400286	1	615	18	0.00867746
0.0715294	1	608	14	0.00832436
0.0770403	1	657	18	0.00496107
0.0581877	1	829	23	0.00658534
0.0847059	1	720	17	0.00524355
0.0355734	1	604	16	0.00783002
0.0439241	1	604	16	0.00783002
0.0803571	1	684	19	0.00587913
0.093985	1	800	21	0.00395473
0.114598	1	975	24	0.00325736
0.00957358	1	599	12	0.00829788
0.0706739	1	602	14	0.00666478
0.0827262	1	704	20	0.00670009
0.115176	1	979	27	0.00664713
0.0572941	0.697708	698	17	0.00722092
0.0725882	1	617	16	0.00905704
0.072	1	612	17	0.00949842
0.0717363	1	616	16	0.00950725
0.0732056	1	665	19	0.0083067
0.0707154	1	602	16	0.00597624
0.0626407	1	612	17	0.00884518
0.119345	1	1166	29	0.00135944
0.0508791	1	599	10	0.00969263
0.0504544	1	594	11	0.00758285
0.0374479	1	422	10	0.00634699
0.102826	1	877	24	0.00489928
0.0784706	1	667	19	0.00879222
0.0601176	1	511	15	0.00758285
0.0698824	1	594	17	0.00700023
0.101686	1	965	27	0.0075034
0.00941176	0.13267	603	16	0.00848325
0.0771307	1	686	19	0.00476687
0.0856757	1	762	20	0.00588796
0.0222353	0.386503	489	11	0.0096838



0.074603	1	653	18	0.0083685
0.0837056	1	712	17	0.00674423
0.0698331	1	594	17	0.00815664
0.0661176	1	562	12	0.0079536
0.12	1	1020	29	0.00771526
0.0738824	1	628	18	0.00560548
0.0736471	1	626	18	0.00819195
0.0989412	1	841	23	0.00497873
0.0696471	1	592	16	0.00873925
0.0696471	1	592	17	0.00389294
0.0834108	1	718	21	0.00200385
0.0836431	1	720	19	0.00608217
0.0698188	1	601	12	0.00194206
0.0359829	1	598	17	0.00854505
0.0703529	1	598	17	0.00854505
0.0673785	1	650	18	0.00629403
0.075599	1	650	18	0.00629403
0.0722353	1	614	16	0.00834201
0.0867059	1	737	21	0.00768878
0.0751216	1	664	19	0.00694727
0.0629988	1	592	17	0.00930421
0.102706	1	873	23	0.00653237
0.0754118	1	641	18	0.00697375
0.122458	1	1060	24	0.00670892
0.0451022	1	384	11	0.00761816
0.0735447	1	638	18	0.00803305
0.0660587	1	565	16	0.00924242
0.0857478	1	731	20	0.00589679
0.049872	1	799	22	0.00664713
0.0599214	1	960	27	0.00135061
0.0513289	1	786	20	0.00504935
0.0635408	1	973	23	0.00680602
0.0616323	1	586	14	0.00674423
0.0686343	1	586	14	0.00674423
0.123176	1	1047	27	0.00300136
0.108601	1	947	27	0.00796243
0.102179	1	891	22	0.00153599
0.0829217	1	705	21	0.00324853
0.102941	1	875	25	0.00837732
0.0898551	1	775	21	0.00717678
0.103882	1	883	21	0.00804188
0.141816	1	1206	28	0.00123585
0.0430686	1	608	15	0.00624106
0.0742904	1	636	18	0.00812133
0.0716972	1	610	12	0.00945428
0.125294	1	1065	27	0.00501404
0.0724706	1	616	17	0.00643527

0.0778534	1	663	19	0.00969263
0.0425556	1	379	11	0.00957787
0.0444262	1	379	11	0.00957787
0.0736582	1	656	18	0.00786533
0.076896	1	656	18	0.00786533
0.127554	1	1136	27	0.00127116
0.0254366	0.191021	1136	27	0.00127116
0.0701176	1	596	17	0.00960435
0.070027	1	596	17	0.00960435
0.119637	1	1054	30	0.00209212
0.0797647	1	678	19	0.00772409
0.0705882	1	600	17	0.00985152
0.0725882	1	617	13	0.00376053
0.0676743	1	591	17	0.00504935
0.128941	1	1096	28	0.00629403
0.0889412	1	756	19	0.00617927
0.0896471	1	762	18	0.00742395
0.0610797	1	594	17	0.00939249
0.0557989	1	484	10	0.00662947
0.0869412	1	739	21	0.00648823
0.0712941	1	606	17	0.00627637
0.0780549	1	679	15	0.00380466
0.035737	1	619	17	0.00691195
0.0738824	1	628	18	0.0044579
0.0915385	1	780	21	0.00680602
0.07	1	595	16	0.00925125
0.0389964	1	645	18	0.00912766
0.083268	1	743	14	0.00397239
0.0874118	1	743	14	0.00397239
0.0545882	1	464	11	0.00677071
0.0611184	1	882	20	0.00360163
0.124681	1	1123	30	0.00752105
0.0727059	1	618	17	0.00703554
0.126013	1	1135	31	0.00492576
0.0768291	1	692	19	0.00719444
0.0581959	1	720	19	0.00608217
0.141882	1	1206	33	0.00165075
0.0347914	1	587	17	0.00941014
0.110891	1	950	26	0.00658534
0.0563063	1	950	26	0.00658534
0.069938	1	620	11	0.00721209
0.0518895	1	460	13	0.00799774
0.0577614	1	691	20	0.0039106
0.0921415	1	802	23	0.00696492
0.0792723	1	719	20	0.00778588
0.0800635	1	706	17	0.00588796
0.0880488	1	750	21	0.0083685

0.084	1	714	19	0.00759167
0.0620847	1	598	10	0.00901291
0.0723529	1	615	11	0.00725623
0.0838824	1	713	20	0.00992214
0.0460701	1	609	17	0.00969263
0.0792941	1	674	19	0.00813898
0.0693825	1	591	12	0.0097809
0.0887059	1	754	20	0.00755636
0.0728235	1	619	16	0.00717678
0.101766	1	893	25	0.00819195
0.0701176	1	596	17	0.00712381
0.0834211	1	713	20	0.00853622
0.0676099	1	583	16	0.00930421
0.0686536	1	592	15	0.00657651
0.0663379	1	565	16	0.00784767
0.0680856	1	579	14	0.00815664
0.0726717	1	618	18	0.00813015
0.077916	1	664	19	0.00213626
0.0665882	1	566	10	0.00757402
0.0693324	1	619	17	0.00892463
0.0688696	1	619	17	0.00892463
0.058659	1	629	18	0.00690313
0.0886301	1	799	22	0.00969263
0.0986624	1	981	25	0.00761816
0.0500338	1	592	17	0.00832436
0.0904706	1	769	21	0.00732685
0.0514749	1	616	15	0.00963966
0.075831	1	657	19	0.00507583
0.0764081	1	662	18	0.0066383
0.0835018	1	826	19	0.00665596
0.0754118	1	641	18	0.00720326
0.0724706	1	616	13	0.00629403
0.0899841	1	849	24	0.00797126
0.117412	1	998	28	0.00730919
0.0768235	1	653	19	0.00680602
0.0792941	1	674	19	0.00737981
0.0694118	1	590	17	0.00880104
0.118608	1	1009	29	0.00207447
0.0707059	1	601	17	0.00904822
0.0705979	1	601	17	0.00904822
0.0859421	1	733	21	0.0064794
0.0787032	1	670	14	0.00128882
0.125969	1	1073	22	0.00204799
0.0683971	1	585	16	0.00849208
0.0688207	1	590	17	0.00590562
0.101365	1	869	24	0.00190675
0.0628189	1	591	13	0.00772409

0.0787999	1	675	19	0.00743278
0.0658064	1	561	13	0.00947194
0.0650693	1	554	14	0.00949842
0.0856237	1	729	20	0.00825374
0.0545018	1	681	19	0.00504052
0.0492215	1	607	17	0.00772409
0.104	1	884	23	0.00796243
0.0777687	1	665	19	0.00722092
0.118118	1	1004	28	0.00766229
0.11469	1	1004	28	0.00766229
0.0785236	1	668	14	0.00627637
0.0694395	1	591	16	0.00874808
0.0724166	1	623	17	0.00282481
0.0734857	1	643	18	0.00604686
0.119886	1	1049	29	0.00429018
0.0623387	1	604	17	0.00777705
0.0800988	1	681	19	0.00685016
0.0796864	1	681	19	0.00685016
0.0842508	1	727	17	0.00122703
0.0761735	1	727	17	0.00122703
0.0724706	1	616	15	0.00623224
0.0765882	1	651	18	0.00690313
0.0218675	1	596	11	0.0085627
0.0507882	1	596	11	0.0085627
0.0998944	1	851	23	0.00624989
0.109765	1	933	24	0.0061881
0.082342	1	706	20	0.00544658
0.0267645	0.537415	441	13	0.00842146
0.121905	1	1098	23	0.00619692
0.0558824	1	475	13	0.0078565
0.0485379	1	893	25	0.00183613
0.0851308	1	1113	25	0.00670892
0.113502	1	1113	25	0.00670892
0.0335313	1	559	16	0.00963966
0.0741176	1	630	18	0.00853622
0.0694036	1	590	17	0.00871277
0.0715294	1	608	17	0.009622
0.0963529	1	819	19	0.00562313
0.0823529	1	700	16	0.00262178
0.121412	1	1032	29	0.00139475
0.0707059	1	601	17	0.00990449
0.168588	1	1433	40	0.00188909
0.0829967	1	719	17	0.00531417
0.0324887	1	659	19	0.00833319
0.104189	1	888	19	0.00609982
0.0890532	1	759	21	0.00803305
0.105831	1	902	20	0.00868629

0.0709412	1	603	17	0.00956904
0.0675379	1	584	14	0.00963966
0.0701176	1	596	15	0.00649706
0.137987	1	1190	32	0.00414894
0.0728235	1	619	16	0.00911001
0.0705882	1	600	15	0.00629403
0.0378083	0.53542	607	17	0.0078565
0.0410017	1	614	17	0.0095867
0.0731735	1	641	18	0.00721209
0.0658824	1	560	16	0.00747692
0.0622369	1	621	18	0.00737981
0.0729119	1	632	18	0.00722092
0.0745882	1	634	18	0.00865098
0.0687398	1	588	17	0.00735333
0.0702353	1	597	17	0.00971911
0.0820115	1	698	11	0.00807719
0.0419905	1	643	16	0.00534065
0.0457871	1	676	19	0.0067354
0.0413167	1	610	16	0.00720326
0.0306417	1	806	23	0.00829788
0.0758824	1	645	18	0.00896877
0.0869228	1	785	17	0.00717678
0.0297365	1	719	20	0.00636465
0.140824	1	1197	29	0.00129765
0.0754118	1	641	12	0.00684133
0.0819765	1	725	19	0.0076976
0.112183	1	954	22	0.00729154
0.103765	1	882	23	0.00647058
0.0887059	1	754	21	0.00563196
0.0724178	1	617	17	0.00963966
0.0702868	1	598	17	0.00730919
0.0711765	1	605	12	0.00841263
0.0703529	1	598	11	0.0092689
0.0682353	1	580	12	0.0094278
0.0731902	1	641	17	0.00794477
0.114376	1	977	24	0.00124468
0.081831	1	699	20	0.00658534
0.0720075	1	613	17	0.00703554
0.0590104	1	613	17	0.00703554
0.0655324	1	701	20	0.00594975
0.122487	1	1042	24	0.00653237
0.0702988	1	600	11	0.00669127
0.0420463	1	360	10	0.00879222
0.0452255	1	386	11	0.00135061
0.0543644	1	464	13	0.00674423
0.0213581	1	658	18	0.00788298
0.0948235	1	806	23	0.00484631

0.0877647	1	746	21	0.00827139
0.0791765	1	673	15	0.00948077
0.0703529	1	598	17	0.00926008
0.0817647	1	695	15	0.00392825
0.109491	1	931	25	0.00763581
0.0417159	1	812	23	0.00655885
0.0739565	1	629	18	0.00620575
0.0719981	1	614	17	0.0094278
0.0721419	1	614	17	0.0094278
0.0902908	1	770	21	0.00674423
0.102579	1	875	24	0.00409597
0.102941	1	875	24	0.00409597
0.076905	1	656	14	0.0076005
0.0771765	1	656	14	0.0076005
0.0779877	1	710	19	0.00666478
0.0877647	1	746	21	0.00588796
0.0837647	1	712	20	0.00799774
0.0494118	1	420	12	0.00772409
0.0764706	1	650	18	0.00799774
0.0653431	1	599	17	0.00937483
0.0734029	1	640	11	0.00463445
0.0602358	1	567	14	0.00604686
0.104118	1	885	24	0.00210095
0.115294	1	980	21	0.00796243
0.0695294	1	591	17	0.00975442
0.0935294	1	795	22	0.00336329
0.0614118	1	522	15	0.00757402
0.117412	1	998	28	0.00692961
0.0688235	1	585	17	0.00726506
0.041138	1	642	18	0.00747692
0.0689534	1	591	17	0.00920711
0.0987059	1	839	18	0.00117406
0.068	1	578	17	0.00859801
0.0935294	1	795	22	0.00293957
0.0655294	1	557	13	0.0068943
0.131059	1	1114	31	0.00662065
0.0689333	0.529623	1114	31	0.00662065
0.084	1	714	19	0.00961318
0.102471	1	871	20	0.00802422
0.0698824	1	594	17	0.00969263
0.0856471	1	728	19	0.00770643
0.0692941	1	589	17	0.00860684
0.202941	1	1725	43	0.00194206
0.0697647	1	593	17	0.00802422
0.0727465	1	619	14	0.00847443
0.13216	1	1156	32	0.00761816
0.0817647	1	695	15	0.00816546

0.0870588	1	740	17	0.00594975
0.098272	1	836	23	0.00728271
0.0723529	1	615	17	0.00982504
0.108235	1	920	26	0.00134178
0.0924721	1	796	22	0.00735333
0.0710211	1	610	11	0.00865981
0.0686695	1	592	17	0.00982504
0.0709412	1	603	18	0.00842146
0.0888785	1	764	21	0.0065412
0.0898824	1	764	21	0.0065412
0.0797891	1	681	19	0.00796243
0.0817647	1	695	20	0.00768878
0.120235	1	1022	29	0.00180964
0.0684706	1	582	12	0.00748574
0.0889366	1	828	22	0.00194206
0.0723529	1	615	13	0.00939249
0.0931765	1	792	16	0.00677954
0.0863529	1	734	20	0.00489045
0.0962737	1	819	23	0.00712381
0.0717647	1	610	17	0.00991331
0.0861827	1	736	15	0.00820077
0.0658824	1	560	16	0.00925125
0.0512375	1	884	23	0.00725623
0.0507135	1	757	21	0.00834201
0.0696471	1	592	16	0.00714147
0.0791765	1	673	18	0.0076005
0.0389395	1	586	17	0.00880987
0.076	1	646	18	0.00820077
0.0687818	1	594	17	0.00905704
0.109063	1	929	27	0.00204799
0.0729069	1	620	13	0.00950725
0.0601626	1	518	12	0.00589679
0.0736471	1	626	18	0.00701788
0.0895957	1	769	22	0.0072474
0.069464	1	591	16	0.00959552
0.0974406	1	849	24	0.00802422
0.0732874	1	628	16	0.00677954
0.0724706	1	616	18	0.00929539
0.0684487	1	612	17	0.00825374
0.0778823	1	662	19	0.00873042
0.0778823	1	662	19	0.00873042
0.0706062	1	601	14	0.0093307
0.0298236	1	377	11	0.00887167
0.0703961	1	599	17	0.00712381
0.0774975	1	685	17	0.00437845
0.119765	1	1018	20	0.00338094
0.0713029	1	608	16	0.0095249

0.0667059	1	567	13	0.00998393
0.0497647	0.746032	567	13	0.00998393
0.0997647	1	848	24	0.00752988
0.0642481	1	549	16	0.00700023
0.0643234	1	549	16	0.00700023
0.036715	1	739	21	0.00726506
0.0629093	1	538	16	0.00791829
0.07	1	595	17	0.0085627
0.188588	1	1603	41	0.00148303
0.0702023	1	597	15	0.00839498
0.0709483	1	612	18	0.00995745
0.0302435	1	585	17	0.00629403
0.0591268	1	757	16	0.0068943
0.0856529	1	757	16	0.0068943
0.0489199	1	616	17	0.00975442
0.051285	1	453	13	0.0068943
0.0684531	1	585	16	0.00888932
0.101529	1	863	24	0.00194206
0.111882	1	951	23	0.00781236
0.160118	1	1361	32	0.0036546
0.0869412	1	739	16	0.0077594
0.0741905	1	637	18	0.00476687
0.0378956	1	613	17	0.00991331
0.0763529	1	649	15	0.00945428
0.0315671	1	644	15	0.00409597
0.0684654	1	609	15	0.0080154
0.0659376	1	615	16	0.00948959
0.0713954	1	615	16	0.00948959
0.0578824	1	492	14	0.00746809
0.123882	1	1053	27	0.00114758
0.0802119	1	863	24	0.00694727
0.0319256	1	508	10	0.00822726
0.0730588	1	621	16	0.00920711
0.0697647	1	593	10	0.00768878
0.0410208	1	823	23	0.00802422
0.0646179	1	553	16	0.00761816
0.069175	1	592	15	0.00652354
0.0641861	1	640	17	0.00744161
0.139319	1	1187	26	0.00184495
0.0985882	1	838	24	0.00772409
0.0796471	1	677	19	0.00813898
0.0684708	1	587	11	0.00698257
0.045068	1	742	21	0.00347805
0.0665882	1	566	15	0.0079536
0.0851765	1	724	18	0.00743278
0.0696995	1	596	17	0.00966614
0.0798403	1	680	19	0.00762698



0.0578824	1	492	14	0.00728271
0.112235	1	954	25	0.00188026
0.0761176	1	647	19	0.00737981
0.0672783	1	594	17	0.00941014
0.0966268	1	825	18	0.00165075
0.0696471	1	592	17	0.00990449
0.0850588	1	723	20	0.00621458
0.0897647	1	763	21	0.00347805
0.072	1	612	10	0.00604686
0.064755	1	551	11	0.00760933
0.0873152	1	762	21	0.00786533
0.0707118	1	606	16	0.00834201
0.0257405	1	730	19	0.00368108
0.0223907	1	635	18	0.0079536
0.0212271	1	602	17	0.00906587
0.0227433	1	645	18	0.0093307
0.0687543	1	595	15	0.00941014
0.0870588	1	740	20	0.00717678
0.0011566	0.0146628	682	15	0.0068943
0.0791392	1	673	19	0.00774174
0.0696471	1	592	15	0.00343391
0.0696471	1	592	15	0.00343391
0.0861467	1	740	20	0.00884518
0.0763734	1	652	14	0.00435197
0.0787042	1	673	17	0.0074063
0.0850588	1	723	21	0.0068943
0.0645613	1	599	17	0.00730036
0.0716471	1	609	17	0.00963083
0.0634118	1	539	10	0.00934835
0.076	1	646	15	0.00841263
0.0631678	1	674	17	0.00700906
0.0801177	1	681	19	0.00748574
0.0707736	1	602	15	0.0094278
0.068044	1	606	14	0.00983387
0.167608	1	1425	40	0.00194206
0.0803082	1	688	20	0.00815664
0.0796294	1	679	19	0.00668244
0.0709104	1	606	16	0.00690313
0.0705855	1	604	17	0.0070532
0.0728059	1	623	17	0.00634699
0.0625179	1	654	18	0.00772409
0.031724	1	525	11	0.0076976
0.0675881	1	577	11	0.00918946
0.0868504	1	747	20	0.00816546
0.0878204	1	747	20	0.00816546
0.0935294	1	795	23	0.00580851
0.0724706	1	616	13	0.00774174

0.0661176	1	562	16	0.00634699
0.0742353	1	631	18	0.0072474
0.103176	1	877	18	0.0052259
0.0583529	0.540305	918	26	0.00773291
0.197059	1	1675	46	0.00163309
0.115529	1	982	26	0.00416659
0.0465409	1	629	16	0.00632051
0.0610917	1	629	16	0.00632051
0.0901878	1	773	21	0.00643527
0.079462	1	703	20	0.00664713
0.0798824	1	679	19	0.00714147
0.0789412	0.962697	697	19	0.00831553
0.0810371	1	697	19	0.00831553
0.072	1	612	18	0.00905704
0.0711545	1	612	18	0.00905704
0.0606845	1	516	15	0.00196854
0.105838	1	901	25	0.00497873
0.213059	1	1811	45	0.00534948
0.0526491	1	790	22	0.00730919
0.0399043	0.464557	790	22	0.00730919
0.0756776	1	645	18	0.00634699
0.110353	1	938	21	0.00796243
0.113529	1	965	20	0.0052259
0.0744382	1	636	16	0.00680602
0.104235	1	886	23	0.00636465
0.072	1	612	17	0.00832436
0.0225933	0.527337	567	13	0.00797126
0.0666667	1	567	13	0.00797126
0.0702063	1	599	17	0.00150951
0.0704706	1	599	17	0.00150951
0.101241	1	873	23	0.00421956
0.0688855	1	594	10	0.009622
0.0578942	1	612	17	0.00790946
0.0471066	1	591	17	0.00956904
0.0379968	1	632	18	0.00825374
0.0848036	1	721	20	0.0077594
0.0772012	1	662	16	0.0093307
0.0697647	1	593	17	0.00945428
0.0575294	1	489	11	0.00870394
0.0530588	1	451	13	0.00780354
0.0633707	1	605	11	0.00772409
0.0627178	1	594	13	0.00956021
0.140706	1	1196	32	0.00148303
0.0708754	1	604	17	0.00971028
0.0896171	1	763	19	0.00624989
0.0734775	1	625	18	0.00680602
0.0721176	1	613	17	0.00904822

0.0685882	1	583	16	0.00596741
0.0731765	1	622	16	0.0068943
0.068844	1	586	12	0.00888932
0.0464183	1	775	22	0.00624106
0.0697456	1	595	14	0.00931304
0.0621995	1	595	14	0.00931304
0.0312318	1	482	27	0.00956904
0.0717398	1	675	18	0.00684133
0.0938463	1	883	19	0.00707968
0.0702353	1	597	12	0.00677071
0.0725882	1	617	17	0.00936601
0.0816471	1	694	19	0.00905704
0.0387734	1	330	10	0.00540245
0.0415534	1	596	17	0.00945428
0.0691765	1	588	16	0.00867746
0.072	1	612	17	0.00905704
0.0813571	1	693	20	0.00669127
0.080939	1	693	20	0.00669127
0.10813	1	939	26	0.00514645
0.0798824	1	679	19	0.00643527
0.0683457	0.907216	679	19	0.00643527
0.112588	1	957	27	0.00145654
0.105968	1	902	18	0.00308963
0.0634118	1	539	15	0.00880104
0.110092	1	936	23	0.00534065
0.110118	1	936	23	0.00534065
0.135145	1	1149	27	0.00639113
0.0291765	0.21584	1149	27	0.00639113
0.0988399	1	1065	27	0.00128882
0.149502	1	1321	33	0.00176551
0.0695652	1	600	12	0.00860684
0.0911765	1	775	20	0.00604686
0.0675056	1	574	16	0.00979856
0.0710332	1	616	17	0.00951608
0.10246	1	883	25	0.00523472
0.101765	1	865	25	0.00803305
0.0430934	1	594	17	0.00702671
0.0438189	1	604	17	0.00722092
0.0924706	1	786	22	0.0068943
0.122171	1	1042	22	0.00613513
0.029121	1	598	16	0.00939249
0.0290723	1	597	12	0.00948077
0.094	1	799	22	0.00694727
0.0779106	1	704	19	0.00772409
0.0754118	1	641	15	0.00737981
0.0750849	1	641	15	0.00737981
0.038579	1	644	15	0.00672658

0.0757647	1	644	15	0.00672658
0.0361828	1	604	17	0.00771526
0.0710588	1	604	17	0.00771526
0.0652941	1	555	11	0.00648823
0.0881176	0.893795	838	24	0.00459031
0.116824	1	993	26	0.00786533
0.0131118	1	509	13	0.00803305
0.0150953	1	586	16	0.00640879
0.0158681	1	616	18	0.00936601
0.0193457	1	751	21	0.00534065
0.0153787	1	597	13	0.00884518
0.0153272	1	595	16	0.00588796
0.0646528	1	595	16	0.00588796
0.068287	1	590	15	0.0099398
0.0713293	1	616	14	0.00588796
0.092	1	782	21	0.00904822
0.0680098	1	611	17	0.00798008
0.0844773	1	720	20	0.00728271
0.0877625	1	748	21	0.00777705
0.121308	1	1035	29	0.00180964
0.0698824	1	594	17	0.00465211
0.0687131	1	629	18	0.00406949
0.0657636	0.986885	610	12	0.00664713
0.02165	1	597	17	0.00936601
0.0752626	1	652	18	0.00615279
0.076463	1	652	18	0.00615279
0.164839	1	1428	37	0.00168606
0.0675816	1	586	15	0.00776822
0.0601272	1	586	15	0.00776822
0.0338451	1	604	17	0.00733567
0.0892941	1	759	17	0.00559665
0.0794188	1	727	21	0.00819195
0.0775324	1	695	15	0.00551721
0.055801	1	480	11	0.00728271
0.076	1	646	18	0.00733567
0.0856471	1	728	20	0.00544658
0.106118	1	902	24	0.00794477
0.0477647	1	406	12	0.00590562
0.105765	1	899	25	0.00653237
0.160588	1	1365	36	0.00165075
0.110118	1	936	26	0.00188909
0.0857647	1	729	21	0.00609982
0.0955347	1	997	26	0.0019244
0.194327	1	2028	56	0.00787415
0.099655	0.995215	1045	25	0.00137709
0.242118	1	2058	48	0.0015713
0.0520002	1	945	26	0.00176551

0.072591	1	620	17	0.00850974
0.116153	1	988	27	0.00664713
0.106631	1	907	24	0.00707968
0.0708235	1	602	17	0.00786533
0.200235	1	1702	41	0.00713264
0.0411448	1	634	17	0.00941014
0.109059	1	927	25	0.00543776
0.0864371	1	738	21	0.00931304
0.0852601	1	767	20	0.00694727
0.0411147	1	599	17	0.00873925
0.0704706	1	599	17	0.00873925
0.129041	1	1880	52	0.00674423
0.0818824	0.370213	1880	52	0.00674423
0.0796211	1	1160	33	0.00144771
0.0936365	1	980	26	0.00161544
0.0964074	1	1009	28	0.00721209
0.07854	1	822	23	0.00604686
0.128353	1	1091	30	0.00156247
0.0752971	1	659	18	0.00910118
0.0726691	1	636	13	0.00802422
0.0505029	0.70015	667	19	0.00802422
0.0715908	0.983655	673	19	0.00547307
0.0708788	1	617	16	0.00816546
0.0922353	1	784	21	0.00649706
0.139914	1	1209	32	0.00707968
0.120997	1	1209	32	0.00707968
0.07	1	595	13	0.00651472
0.0718824	1	611	17	0.00969263
0.124531	1	1063	28	0.00810367
0.125059	1	1063	28	0.00810367
0.0757647	1	644	15	0.00780354
0.0684642	1	584	15	0.00737099
0.0589601	1	584	15	0.00737099
0.053848	1	459	13	0.00757402
0.0783109	1	790	19	0.00620575
0.0764869	1	661	18	0.00338094
0.0547957	1	617	17	0.00955139
0.0796687	1	683	16	0.00768878
0.0102186	0.182979	705	20	0.00564962
0.0784706	1	667	17	0.00813898
0.0796471	1	677	17	0.00641761
0.0689412	1	586	17	0.00913649
0.0386221	1	592	13	0.00802422
0.0696471	1	592	12	0.0089776
0.0965729	1	851	21	0.00745043
0.100588	1	855	17	0.0083067
0.0764706	1	650	17	0.00816546

0.0836471	1	711	20	0.00721209
0.0695294	1	591	17	0.00486397
0.063765	1	586	16	0.00905704
0.072	1	612	17	0.00879222
0.108675	1	927	26	0.00169488
0.133411	1	1138	32	0.00744161
0.133529	1	1139	32	0.0049081
0.105904	1	904	25	0.00797126
0.0691765	1	588	14	0.00732685
0.0755294	1	642	18	0.00559665
0.0803717	1	692	15	0.00609982
0.0800712	1	720	20	0.00737981
0.0730464	1	774	21	0.00508466
0.0766327	1	812	22	0.00557017
0.055587	1	589	16	0.00261295
0.0893632	1	762	21	0.00772409
0.0698193	1	595	14	0.00842146
0.0727059	1	618	14	0.00812133
0.0757877	1	647	19	0.00755636
0.0721445	1	619	11	0.00695609
0.105647	1	898	24	0.00730919
0.0820372	1	749	19	0.00120054
0.0876126	1	749	19	0.00120054
0.0738192	1	633	18	0.00816546
0.108318	1	922	25	0.00681485
0.0705457	1	605	17	0.00589679
0.0727059	1	618	17	0.00948959
0.0901176	1	766	22	0.00672658
0.0818235	1	700	20	0.00632051
0.0739918	1	633	18	0.00402535
0.0402353	1	342	10	0.00934835
0.0701981	1	599	17	0.00924242
0.0769767	1	662	19	0.00744161
0.0743529	1	632	14	0.0083685
0.0704706	1	599	16	0.0070532
0.0637647	1	542	14	0.00688547
0.119875	1	1032	26	0.00553486
0.0687992	1	585	11	0.00889815
0.0676357	1	698	20	0.00619692
0.0700622	1	597	17	0.00301902
0.0704706	1	599	17	0.00895111
0.0709503	1	604	13	0.00752105
0.0799813	1	684	19	0.00697375
0.120706	1	1026	29	0.00555251
0.0844706	1	718	18	0.00624106
0.0697647	1	593	17	0.00722092
0.0744706	0.99061	639	18	0.00731802

0.0516439	1	666	19	0.00427252
0.0699637	1	597	16	0.00852739
0.0893004	1	762	21	0.00409597
0.118471	1	1007	25	0.00758285
0.0721092	1	613	14	0.00948959
0.132909	1	1149	28	0.00134178
0.103759	1	897	25	0.00140358
0.0694804	1	591	17	0.00775057
0.0615294	1	523	14	0.00788298
0.123765	1	1052	23	0.00194206
0.0955294	1	812	23	0.00173902
0.0720583	1	613	17	0.00832436
0.181231	1	1543	42	0.00786533
0.0624761	1	654	18	0.00829788
0.072	1	612	17	0.00956904
0.0751174	1	640	16	0.00939249
0.0685042	1	594	17	0.00660299
0.0874854	1	748	16	0.00601155
0.0748538	1	640	17	0.0095249
0.0729412	1	620	10	0.00888049
0.0715294	1	608	16	0.00978973
0.0709412	1	603	13	0.00392825
0.0710588	1	604	17	0.00976324
0.0616575	1	526	15	0.00865981
0.109401	1	931	26	0.00633817
0.0702353	1	597	17	0.00576437
0.0362544	1	537	11	0.00949842
0.0843232	1	717	20	0.0078565
0.0680885	1	597	17	0.0083685
0.0743613	1	652	17	0.00869511
0.0790588	0.567089	1185	28	0.00368108
0.126	1	1071	30	0.00744161
0.0489412	1	416	12	0.00959552
0.0718695	1	617	17	0.00972794
0.0721176	1	613	18	0.00991331
0.0877378	1	747	19	0.0093307
0.0623608	1	532	15	0.00686782
0.0699753	1	595	17	0.0083685
0.0637725	1	545	16	0.00790946
0.0922302	1	787	22	0.00678837
0.0793521	1	681	18	0.00534065
0.147677	1	1265	35	0.00200385
0.0663668	1	605	17	0.0094278
0.129529	1	1101	29	0.00551721
0.0561755	1	594	17	0.00762698
0.10677	1	910	24	0.00129765
0.0695294	1	591	17	0.00991331

0.078885	1	699	20	0.00368991
0.0803725	1	699	20	0.00368991
0.137348	1	1186	29	0.00159778
0.0706427	1	610	17	0.00594093
0.0545621	1	595	10	0.00629403
0.0766518	1	652	19	0.00476687
0.129537	1	1110	28	0.00660299
0.0835294	1	710	20	0.00841263
0.0870676	1	750	20	0.00843029
0.0769953	1	656	14	0.00209212
0.137559	1	1172	32	0.00669127
0.102481	1	884	20	0.0076005
0.0914741	1	780	16	0.0062852
0.103412	1	879	25	0.00747692
0.0745954	1	636	18	0.00966614
0.0677716	1	597	11	0.00896877
0.078	1	663	14	0.00196854
0.119412	1	1015	27	0.0042637
0.0592157	1	675	19	0.00841263
0.0764374	1	1017	29	0.00755636
0.0848036	1	721	18	0.00674423
0.0848235	1	721	18	0.00674423
0.0436592	1	965	27	0.00743278
0.0533114	0.780069	582	12	0.00925125
0.122588	1	1042	27	0.00189792
0.0512074	1	528	15	0.00631168
0.0744836	1	768	20	0.00765347
0.121576	1	1034	27	0.00796243
0.082468	1	818	22	0.00796243
0.0875294	1	744	18	0.00634699
0.0623825	1	531	11	0.00864215
0.0814347	1	697	16	0.0076976
0.0704706	1	599	17	0.00930421
0.0905776	1	770	20	0.00670892
0.086931	1	739	21	0.00200385
0.0944706	1	803	23	0.00623224
0.0721674	1	614	17	0.00786533
0.0776471	1	660	14	0.00722974
0.0930889	1	792	22	0.00564962
0.101817	1	874	21	0.00634699
0.0725882	1	617	18	0.00634699
0.044313	1	674	19	0.00737981
0.0644924	1	613	15	0.009878
0.0771793	1	672	19	0.00617044
0.0695193	1	593	15	0.0092689
0.0804598	1	686	16	0.00841263
0.0690588	1	587	11	0.0076005



0.0863326	1	734	21	0.0068943
0.11365	1	970	27	0.00829788
0.0789226	1	671	19	0.00763581
0.0703529	1	598	10	0.00436963
0.0687059	1	584	16	0.0093307
0.0831376	1	708	20	0.00728271
0.137529	1	1169	33	0.00210095
0.0195526	1	423	11	0.0030455
0.0807796	1	688	17	0.0042637
0.0711523	1	607	17	0.00945428
0.0396887	1	617	18	0.00914532
0.0715115	1	616	17	0.00918063
0.0549412	1	467	13	0.00914532
0.120118	1	1021	26	0.00780354
0.0823681	1	704	17	0.00937483
0.0463611	1	616	16	0.00551721
0.102101	1	870	20	0.00843029
0.222509	1	1896	51	0.00819195
0.0386444	1	634	14	0.00717678
0.0723529	1	615	16	0.00972794
0.0722353	1	614	17	0.00937483
0.0724706	1	616	18	0.00865098
0.0724706	1	616	15	0.00914532
0.0974148	1	829	21	0.0061881
0.128633	1	1102	31	0.00763581
0.0315615	1	532	15	0.00648823
0.0353583	0.990033	602	13	0.00722092
0.0752625	1	645	17	0.00438728
0.0556853	1	620	14	0.00994862
0.0805448	1	686	19	0.00735333
0.117586	1	1023	28	0.00776822
0.0292593	1	604	17	0.009622
0.0297922	1	615	14	0.00861567
0.0756471	0.986196	652	15	0.00797126
0.067512	1	575	16	0.0096838
0.0668994	1	575	16	0.0096838
0.0990588	1	842	22	0.0018273
0.0715294	1	608	17	0.0090747
0.0921176	1	783	21	0.00670892
0.0782353	1	665	17	0.00764464
0.0716471	1	609	17	0.0089158
0.0658794	1	569	16	0.0068943
0.0891513	1	770	18	0.0078565
0.0377748	1	586	16	0.0054819
0.0646147	1	550	10	0.00935718
0.0851765	1	724	21	0.00802422
0.0697729	1	599	17	0.00765347

0.0711765	1	605	17	0.00852739
0.0710453	1	609	17	0.00617927
0.059138	1	708	20	0.00485514
0.0815325	1	698	15	0.00676189
0.0699906	1	598	17	0.00669127
0.0666142	1	592	17	0.00746809
0.0654622	1	558	10	0.00905704
0.0328373	1	609	17	0.00728271
0.0493355	1	709	16	0.00747692
0.0834118	1	709	16	0.00747692
0.0704706	1	599	14	0.00633817
0.133487	1	1158	33	0.00435197
0.0644149	1	595	17	0.00746809
0.0946565	1	806	22	0.00165075
0.276453	1	2354	62	0.00135061
0.0806679	1	686	19	0.00620575
0.0669942	1	600	15	0.00957787
0.0491542	1	616	17	0.00714147
0.0695979	1	592	17	0.00865981
0.0738824	1	628	11	0.00402535
0.0702353	1	597	11	0.00853622
0.0729412	1	620	14	0.00805071
0.197882	1	1682	45	0.00194206
0.00448581	0.058997	678	19	0.00623224
0.0824706	1	701	20	0.00825374
0.100971	1	863	24	0.00718561
0.0809412	1	688	17	0.00718561
0.104706	1	890	25	0.00499638
0.0903862	1	770	21	0.00200385
0.0826388	1	704	19	0.00551721
0.076	1	646	14	0.00666478
0.0661176	1	562	16	0.00748574
0.0708235	1	602	17	0.009622
0.0813357	1	967	27	0.00553486
0.0407738	1	685	19	0.00816546
0.123176	1	1047	23	0.00156247
0.0845882	1	719	21	0.00261295
0.0957647	1	814	23	0.00241874
0.0661176	1	562	15	0.00481983
0.0705993	1	602	17	0.00843029
0.130042	1	1109	30	0.00162426
0.07106	1	606	15	0.00757402
0.0691765	1	588	17	0.00796243
0.0924193	0.6942	1138	31	0.00434314
0.0877647	1	746	21	0.00813898
0.0690896	1	595	15	0.00535831
0.0712617	1	610	16	0.0090747

0.0661176	1	562	16	0.0075034
0.0779251	1	670	18	0.00588796
0.0142363	1	605	14	0.00771526
0.0140716	1	598	17	0.00977207
0.0756833	1	648	19	0.00880987
0.0113237	0.202429	494	14	0.00768878
0.0719323	1	612	17	0.00877456
0.0710967	1	612	17	0.00877456
0.0695143	1	594	15	0.0051641
0.0728235	1	619	15	0.00873042
0.0448235	1	381	11	0.00885401
0.0545438	1	605	17	0.00873925
0.0707894	1	625	15	0.00783002
0.072489	1	625	15	0.00783002
0.0797372	1	704	19	0.00747692
0.0641176	1	545	12	0.00979856
0.0368337	1	597	17	0.00837732
0.0891765	1	758	21	0.00718561
0.11	1	935	23	0.00800657
0.0432449	1	830	24	0.00658534
0.0716299	1	610	17	0.00945428
0.0954118	1	811	20	0.0083685
0.071479	1	608	17	0.00960435
0.0444868	1	700	17	0.00685016
0.0747674	1	651	18	0.0077594
0.0775021	1	659	18	0.00746809
0.049705	1	775	16	0.00879222
0.0908984	1	775	16	0.00879222
0.0467215	1	761	21	0.00524355
0.042779	1	649	18	0.00997511
0.0836368	1	712	16	0.00535831
0.072	1	612	11	0.00889815
0.0849412	1	722	16	0.00604686
0.00247059	0.00952813	2204	49	0.00137709
0.0722353	1	614	17	0.00996628
0.069438	1	598	16	0.0094278
0.0715409	1	637	12	0.00706202
0.064835	1	623	18	0.00649706
0.114088	1	975	21	0.00148303
0.115968	1	987	23	0.00732685
0.102824	0.885512	987	23	0.00732685
0.0447059	1	380	11	0.00905704
0.0688278	1	586	16	0.00839498
0.0850588	1	723	20	0.00624106
0.0749354	1	638	18	0.0080154
0.101059	1	859	24	0.00624106
0.0678204	1	580	13	0.0024364

0.0365223	1	523	10	0.00293957
0.0980983	1	846	23	0.00129765
0.0856911	1	739	17	0.00744161
0.0717647	1	610	17	0.0096838
0.0752941	1	640	17	0.00604686
0.070845	1	607	14	0.0074063
0.0829022	1	705	20	0.00829788
0.0705882	1	600	12	0.0085627
0.0711765	1	605	17	0.00873925
0.0628511	1	537	14	0.009622
0.121412	1	1032	28	0.00165958
0.0678221	1	587	11	0.00991331
0.100939	0.992027	878	25	0.00629403
0.0797647	1	678	19	0.00719444
0.0456451	1	588	13	0.00957787
0.0872174	1	756	21	0.00781236
0.0376532	1	593	13	0.00437845
0.0806602	1	694	19	0.00792712
0.0728127	1	620	11	0.00726506
0.0711179	1	605	17	0.00758285
0.064322	1	620	17	0.00438728
0.13313	1	1134	27	0.00507583
0.133005	1	1134	27	0.00507583
0.0696173	1	593	17	0.00244522
0.0670248	1	574	16	0.00814781
0.0606357	1	620	18	0.00530534
0.13474	1	1335	37	0.00146537
0.058819	1	757	19	0.00775057
0.0806602	0.986041	788	22	0.00153599
0.0680185	1	899	25	0.00648823
0.0705471	1	606	16	0.00896877
0.0614453	1	568	15	0.00725623
0.0663784	1	568	15	0.00725623
0.105345	1	944	27	0.00641761
0.0559616	1	735	18	0.00742395
0.0692037	1	591	17	0.00668244
0.241742	1	2093	58	0.00143006
0.128205	1	1110	27	0.00653237
0.0764706	1	650	19	0.00546424
0.072	1	612	15	0.00994862
0.113831	1	972	28	0.00129765
0.269235	1	2299	61	0.00172137
0.0616125	1	525	10	0.00524355
0.0682096	1	613	17	0.00882753
0.0708235	1	602	16	0.00720326
0.0749412	1	637	18	0.00780354
0.0736471	1	626	18	0.00757402

0.0977065	1	835	19	0.00841263
0.0744208	1	636	16	0.00617044
0.0672941	1	572	11	0.009622
0.0515948	1	977	27	0.00666478
0.069868	1	598	15	0.00777705
0.0751695	1	643	18	0.00377818
0.0970588	1	825	23	0.00767112
0.119882	1	1019	28	0.00748574
0.0695294	1	591	13	0.00442259
0.0818824	1	696	18	0.00631168
0.0765882	1	651	18	0.0076976
0.0874105	1	745	17	0.00619692
0.0391445	1	593	14	0.00948959
0.0729412	1	620	18	0.00728271
0.0745882	1	634	18	0.00627637
0.0457342	1	825	24	0.0054819
0.0536902	1	702	20	0.00899525
0.0630588	1	536	15	0.00784767
0.0765882	1	651	16	0.00744161
0.0881176	1	749	21	0.00478452
0.101412	1	862	22	0.0019244
0.0747059	1	635	18	0.00609099
0.0688235	1	585	17	0.0074063
0.0754118	1	641	16	0.0076005
0.0351409	1	591	17	0.00901291
0.0694232	1	591	17	0.00901291
0.0618472	1	527	11	0.00905704
0.0395744	1	584	16	0.00957787
0.0692325	1	617	18	0.00737981
0.0668761	1	596	17	0.00956021
0.0654992	1	763	18	0.00587031
0.0388157	1	763	18	0.00587031
0.124326	1	1060	28	0.00196854
0.0716631	1	611	14	0.00973676
0.0700599	1	596	17	0.00991331
0.0686073	1	601	17	0.00884518
0.0308515	1	704	17	0.00474921
0.0254612	1	581	15	0.00901291
0.0567294	1	690	18	0.00601155
0.032	0.394203	690	18	0.00601155
0.0704706	1	599	11	0.00784767
0.0855294	1	727	19	0.00710616
0.0788235	1	670	13	0.00485514
0.0392221	1	714	20	0.00671775
0.0717011	1	714	20	0.00671775
0.0418184	1	643	18	0.00912766
0.0755831	1	755	21	0.00842146

0.0775294	1	659	17	0.00816546
0.0985882	1	838	23	0.00674423
0.0712941	1	606	17	0.00648823
0.0604706	0.761481	675	19	0.00787415
0.0722353	1	614	18	0.00729154
0.0658146	1	587	17	0.00985152
0.122323	1	1091	25	0.00730036
0.0466425	1	721	13	0.00402535
0.0327722	1	695	18	0.00388411
0.0651115	1	695	18	0.00388411
0.106243	1	907	21	0.00194206
0.105871	1	907	21	0.00194206
0.0525366	1	873	24	0.00409597
0.102706	1	873	24	0.00409597
0.127657	1	1087	25	0.00124468
0.0552782	1	620	17	0.00937483
0.109529	1	931	18	0.0083685
0.0947694	1	857	18	0.00566727
0.033114	1	604	17	0.00976324
0.0316886	1	578	16	0.00977207
0.0693302	1	590	17	0.00774174
0.0687867	1	597	12	0.00717678
0.0691567	1	661	13	0.00303667
0.0958631	1	818	22	0.0011211
0.0737647	1	627	16	0.00935718
0.0750147	1	638	18	0.0074063
0.0718824	1	611	15	0.00842146
0.0516937	1	586	14	0.00796243
0.0613265	1	699	20	0.00828905
0.0820134	1	699	20	0.00828905
0.0690141	1	588	17	0.00905704
0.0385574	1	588	17	0.00905704
0.0590613	1	526	13	0.0089158
0.0690546	1	615	16	0.00820077
0.109294	1	929	25	0.00771526
0.0229401	1	517	15	0.00847443
0.103255	1	882	25	0.0099398
0.0930751	1	793	21	0.0078565
0.0881176	1	749	21	0.00802422
0.0703819	1	610	12	0.00694727
0.0696945	1	600	17	0.00945428
0.138118	0.995759	1179	31	0.00154482
0.0690588	1	587	14	0.00661182
0.0531765	1	452	13	0.00969263
0.0954098	1	979	27	0.00210095
0.0703529	1	598	17	0.00790064
0.0808235	1	687	19	0.0080154

0.103059	1	876	18	0.00387528
0.0603529	0.90636	566	10	0.00916297
0.0835615	1	763	21	0.00629403
0.0565908	0.696203	711	13	0.00710616
0.0515294	1	438	12	0.00698257
0.0711765	1	605	17	0.00828022
0.0406966	1	680	19	0.0093307
0.0457239	1	764	20	0.0068943
0.0709412	1	603	15	0.00712381
0.0882353	1	750	15	0.0068943
0.106118	1	902	20	0.00405183
0.0717625	1	614	16	0.00380466
0.0747059	1	635	18	0.00835084
0.0467719	1	581	15	0.00768878
0.0387592	1	596	15	0.00929539
0.120492	1	1029	29	0.00177433
0.0702353	1	597	17	0.00784767
0.0770967	1	683	19	0.00747692
0.0715294	1	608	17	0.00631168
0.0615294	1	523	15	0.00745043
0.106563	1	906	24	0.00813015
0.0917718	1	822	22	0.00703554
0.110353	1	938	26	0.00596741
0.0811765	1	690	18	0.00948077
0.0811097	1	690	18	0.00948077
0.0852253	1	732	21	0.00438728
0.0767059	1	652	18	0.00528769
0.0954508	1	812	18	0.00706202
0.0696225	1	592	17	0.0099398
0.0716471	1	609	17	0.00957787
0.135838	1	1175	30	0.00533183
0.0694798	1	601	17	0.00956021
0.118975	1	1133	32	0.0061881
0.0444893	1	639	13	0.0083685
0.0948487	1	812	37	0.00780354
0.0732794	1	625	15	0.0033368
0.196235	1	1668	43	0.00258647
0.0820244	1	799	22	0.00821843
0.093026	1	795	22	0.00703554
0.0326557	0.524962	661	19	0.00791829
0.0771565	1	661	19	0.00791829
0.0599473	1	637	18	0.00708851
0.0743551	1	637	18	0.00708851
0.071722	1	611	10	0.0076976
0.070922	1	610	16	0.00863332
0.0823529	1	700	20	0.00677071
0.090163	1	769	22	0.00796243

0.0714118	1	607	15	0.00972794
0.0997647	1	848	24	0.00624106
0.0439865	1	651	19	0.00662947
0.0870588	1	740	21	0.00747692
0.0698824	1	594	14	0.00880104
0.0623529	1	530	15	0.00808601
0.136235	1	1158	26	0.00210095
0.0728235	1	619	17	0.0049081
0.0713614	1	607	17	0.00787415
0.056392	1	618	12	0.00520824
0.0954118	1	811	20	0.00381349
0.076792	1	811	20	0.00381349
0.101647	1	864	24	0.00504935
0.0655877	1	616	15	0.00600272
0.0609412	1	518	15	0.00899525
0.0710606	1	607	14	0.00973676
0.0751626	1	647	18	0.00591444
0.0698188	1	601	14	0.00674423
0.122706	1	1043	29	0.00594975
0.0964706	1	820	23	0.00620575
0.0697183	1	594	11	0.0064794
0.0977647	1	831	23	0.00698257
0.0903529	1	768	21	0.00173902
0.0671407	1	576	16	0.00725623
0.026154	1	617	17	0.00975442
0.0784706	1	667	17	0.00842146
0.122353	1	1040	24	0.00813898
0.0838824	1	713	19	0.00796243
0.0664782	1	1129	28	0.00154482
0.109059	1	927	24	0.00608217
0.0400126	1	1143	32	0.00816546
0.0324862	1	928	23	0.00609982
0.0517398	1	1478	41	0.00140358
0.0702353	1	597	17	0.00980738
0.0762108	1	1070	30	0.00190675
0.0917647	1	780	22	0.00544658
0.0625488	1	882	24	0.00194206
0.0699883	1	597	17	0.00951608
0.0536079	1	708	20	0.00551721
0.0777316	1	673	12	0.00460797
0.0601953	1	795	21	0.0054819
0.0390695	1	1535	42	0.00765347
0.0237217	1	932	26	0.005067
0.0886313	1	757	16	0.0042637
0.0192929	1	758	21	0.00551721
0.0705882	1	600	33	0.00997511
0.043635	1	593	16	0.00985152



0.106202	1	2166	60	0.00188909
0.047167	1	641	16	0.00475804
0.0730588	1	621	18	0.00373404
0.0707059	1	601	14	0.00854505
0.0850588	1	723	18	0.00686782
0.100588	1	855	24	0.0069914
0.0371947	1	603	17	0.00719444
0.0640883	1	1039	28	0.00210095
0.0481742	1	781	21	0.00674423
0.0701176	1	596	16	0.00943663
0.0993223	1	850	23	0.00594975
0.069175	1	592	17	0.00913649
0.0382651	1	809	22	0.00199502
0.0925882	1	787	22	0.00480217
0.110471	1	939	26	0.00177433
0.0721589	1	614	17	0.00728271
0.0712941	1	606	16	0.00925125
0.0772941	1	657	18	0.0099398
0.0757558	1	644	17	0.00835967
0.0732738	1	1075	30	0.00135061
0.0718424	1	1054	24	0.00813898
0.140941	1	1198	34	0.00608217
0.0949412	1	807	19	0.00782119
0.0750588	1	638	18	0.00700023
0.0775549	1	661	19	0.00843029
0.0710427	1	605	17	0.00901291
0.0688935	1	594	17	0.00895994
0.0726973	1	618	16	0.00570258
0.0722469	1	618	16	0.00570258
0.116276	1	993	27	0.00763581
0.0716471	1	609	17	0.00607334
0.0813926	1	692	19	0.00632051
0.0495153	1	710	19	0.00210095
0.0594881	1	853	19	0.00167723
0.0914118	1	777	22	0.00824491
0.0942353	1	801	23	0.00496107
0.0858824	1	730	21	0.00765347
0.0963997	1	822	21	0.00624989
0.0715375	1	610	17	0.00844794
0.109629	1	937	26	0.00674423
0.134588	1	1144	20	0.00813015
0.0688733	1	618	15	0.00572907
0.0716522	1	618	15	0.00572907
0.0694118	1	590	16	0.00857153
0.0636471	1	541	15	0.00841263
0.117282	1	1001	26	0.0076005
0.0713961	1	629	18	0.00814781

0.0689534	1	587	14	0.00700023
0.0966396	1	834	24	0.00623224
0.0697647	1	593	12	0.00615279
0.0714118	1	607	10	0.00821843
0.083499	1	714	20	0.00163309
0.0698824	1	594	17	0.0076976
0.0820808	1	699	19	0.00549955
0.0937647	1	797	22	0.00790946
0.0545455	1	465	13	0.00604686
0.0701674	1	612	18	0.00963966
0.0728235	1	619	18	0.0068943
0.0380718	1	526	15	0.0099398
0.0615205	1	526	15	0.0099398
0.040348	1	807	17	0.00636465
0.0718824	1	611	17	0.00555251
0.0955553	1	832	23	0.00767995
0.0489863	1	418	12	0.00642644
0.0835473	1	716	20	0.00841263
0.07223	1	618	13	0.00306315
0.0806452	1	690	17	0.00281598
0.0738983	1	654	18	0.00559665
0.0697647	1	593	13	0.00507583
0.0698824	1	594	12	0.00697375
0.0648249	1	596	17	0.00939249
0.0274554	1	589	17	0.00860684
0.0720616	1	618	15	0.00948077
0.0975979	1	837	20	0.0042637
0.0570588	1	485	13	0.00614396
0.0707468	1	630	18	0.00721209
0.0745882	1	634	17	0.00737981
0.118	1	1003	28	0.0072474
0.0744706	1	633	18	0.00745043
0.0674437	1	839	18	0.00757402
0.0724994	1	619	18	0.00852739
0.0696069	1	595	17	0.00657651
0.0494727	1	760	18	0.00717678
0.0894118	1	760	18	0.00717678
0.0636321	1	541	11	0.00816546
0.122207	1	1039	21	0.0054201
0.112436	1	962	24	0.00768878
0.101683	1	870	23	0.00765347
0.0493582	1	546	13	0.00820077
0.0896777	1	768	22	0.00774174
0.042249	0.721519	553	13	0.00947194
0.0632072	1	553	13	0.00947194
0.0753647	1	651	18	0.00629403
0.0594118	1	505	14	0.00782119

0.0774027	1	658	17	0.0092689
0.111202	1	952	27	0.0073445
0.195655	1	1675	46	0.00196854
0.0717047	1	612	15	0.00768878
0.0655221	1	561	12	0.00604686
0.0607059	1	516	12	0.00802422
0.0436866	1	620	16	0.00932187
0.0598224	1	849	20	0.00737981
0.0725164	1	619	13	0.00840381
0.256032	1	2186	50	0.00186261
0.145765	1	1239	30	0.00129765
0.0998823	1	849	22	0.00546424
0.0509247	1	749	21	0.00722092
0.0756342	1	650	17	0.00995745
0.0825117	1	703	20	0.00172137
0.0565969	1	619	17	0.00720326
0.0196619	0.304498	867	18	0.00475804
0.0505697	1	679	20	0.00758285
0.0766366	1	1029	26	0.00297488
0.0704706	1	599	13	0.00629403
0.118	1	1003	27	0.00604686
0.185354	1	1587	40	0.00178316
0.184728	1	1587	40	0.00178316
0.0555424	1	704	20	0.00690313
0.0818319	1	704	20	0.00690313
0.111437	1	950	26	0.00145654
0.12139	1	1034	26	0.00694727
0.0314273	1	587	15	0.00481983
0.0751765	1	639	18	0.00969263
0.082	1	697	17	0.00680602
0.0809412	1	688	18	0.00683251
0.0901006	1	770	22	0.00798008
0.0804706	1	684	19	0.00540245
0.0942353	1	801	23	0.00761816
0.0832161	1	710	20	0.009622
0.106607	1	910	25	0.00210095
0.0965882	1	821	17	0.00561431
0.147647	1	1255	35	0.00172137
0.0688235	1	585	13	0.00865981
0.0724706	1	616	10	0.00864215
0.0910588	1	774	17	0.00246288
0.0752083	1	641	18	0.00361929
0.0594118	0.858844	588	10	0.00865981
0.067981	1	600	17	0.00911001
0.0758824	1	645	17	0.0080154
0.0722353	1	614	17	0.00725623
0.0870588	1	740	18	0.00499638

0.0702353	1	597	17	0.00925125
0.0877377	1	752	20	0.00658534
0.0614158	1	524	13	0.00180964
0.072	1	612	13	0.00981621
0.0737381	1	634	18	0.00925125
0.076268	1	806	17	0.00626754
0.0835294	1	710	19	0.00685899
0.0746635	1	638	17	0.00842146
0.0726526	1	619	10	0.0068943
0.121937	1	1040	27	0.00717678
0.0707059	1	601	17	0.00956904
0.0730178	1	722	14	0.0080154
0.0686411	1	591	10	0.00885401
0.0653581	1	606	17	0.00678837
0.0725608	1	618	16	0.00950725
0.0873809	1	752	21	0.00738864
0.0714369	1	611	17	0.00841263
0.0615294	1	523	14	0.00880987
0.0938049	1	801	20	0.0049699
0.0721007	1	613	13	0.00783002
0.112706	1	958	27	0.00746809
0.0840541	1	758	22	0.00551721
0.0888524	1	758	22	0.00551721
0.0282555	1	414	12	0.00918946
0.0698824	1	594	13	0.00976324
0.0811765	1	690	16	0.00786533
0.0521176	0.642029	690	16	0.00786533
0.0604208	1	514	14	0.0088187
0.0528235	1	449	13	0.00668244
0.0699038	1	596	12	0.00934835
0.0879069	1	748	21	0.00637347
0.0689938	1	589	17	0.00991331
0.0914841	1	781	17	0.00771526
0.072	1	612	17	0.00771526
0.102706	1	873	24	0.00162426
0.0704556	1	600	17	0.00636465
0.0545882	1	464	14	0.00732685
0.072	1	612	12	0.0083685
0.0758072	1	648	17	0.00686782
0.0955451	1	815	23	0.0065412
0.113013	1	964	23	0.0066383
0.113372	1	964	23	0.0066383
0.0882015	1	1152	31	0.00768878
0.0590621	1	597	17	0.00936601
0.0458455	1	485	14	0.00890698
0.0689898	1	588	12	0.00600272
0.0787251	1	867	23	0.00677071

0.0687713	1	586	17	0.00894229
0.0771576	1	658	17	0.00802422
0.088294	1	752	20	0.00661182
0.0475673	1	613	14	0.00671775
0.0705882	0.990099	606	17	0.00692961
0.0685733	1	621	14	0.00737981
0.0735517	1	631	18	0.00763581
0.0704209	1	599	17	0.00837732
0.0693448	1	599	17	0.00837732
0.0270588	0.242872	947	27	0.00834201
0.077642	1	947	27	0.00834201
0.112588	1	957	17	0.00685016
0.0858288	1	771	22	0.00827139
0.0887635	1	771	22	0.00827139
0.0835468	1	750	21	0.00493459
0.0468225	1	725	20	0.00666478
0.0804249	1	689	19	0.00723857
0.0925492	1	790	20	0.00572907
0.0965129	1	822	19	0.00963966
0.0644242	1	588	16	0.0074063
0.0703529	1	598	13	0.00998393
0.0683614	1	597	13	0.00970145
0.0544739	1	775	22	0.00808601
0.0465617	1	627	18	0.00670009
0.0695008	1	600	17	0.00772409
0.0853158	1	728	20	0.00627637
0.0704258	1	607	15	0.00744161
0.0491765	1	418	12	0.00745043
0.0645882	1	549	16	0.00670009
0.037095	1	593	11	0.00991331
0.026446	1	342	10	0.00949842
0.0577647	1	491	14	0.00614396
0.0796668	1	679	19	0.00835967
0.0550523	1	468	12	0.00636465
0.0991765	1	843	23	0.00757402
0.0810588	1	689	20	0.00685016
0.0725882	1	617	15	0.00771526
0.0694477	1	591	17	0.00976324
0.0695294	1	591	17	0.00976324
0.0717979	1	611	13	0.00923359
0.0273388	0.385366	615	12	0.00957787
0.0723529	1	615	12	0.00957787
0.0747059	1	635	18	0.00652354
0.037622	1	605	16	0.00632934
0.0738824	1	628	13	0.00850974
0.0794135	1	677	19	0.00745043
0.0851765	1	724	20	0.00608217

0.0707437	1	605	17	0.00772409
0.102012	1	872	22	0.00717678
0.0717647	1	610	17	0.00947194
0.0504706	1	429	12	0.00674423
0.0677699	1	602	17	0.0095249
0.0403993	1	688	18	0.00624106
0.0875716	1	749	16	0.00710616
0.0476301	1	409	12	0.00998393
0.0865885	1	849	24	0.00685016
0.071857	1	611	16	0.00786533
0.0564596	1	680	18	0.00765347
0.0694228	1	623	17	0.0068943
0.0700973	1	598	14	0.00559665
0.0920492	1	800	22	0.00527003
0.0707059	1	601	13	0.00873925
0.0755294	1	642	18	0.00813898
0.0600164	1	512	11	0.00943663
0.0493336	1	422	12	0.00677071
0.0718824	1	611	15	0.00913649
0.0699883	1	597	17	0.00623224
0.076216	1	655	19	0.00905704
0.0330751	1	619	18	0.00971028
0.0800554	1	751	22	0.00310729
0.0765882	1	651	18	0.00918063
0.0535167	1	821	23	0.00672658
0.0908235	1	772	21	0.00704437
0.0792941	1	674	18	0.00810367
0.0474055	1	835	24	0.0070532
0.0982353	1	835	24	0.0070532
0.0317833	1	596	17	0.00624106
0.0831765	1	707	20	0.00841263
0.0304127	1	496	14	0.00935718
0.0724706	1	616	17	0.0070532
0.0723939	1	616	17	0.0070532
0.0685734	1	585	17	0.00957787
0.0688073	1	585	17	0.00957787
0.0750205	1	640	18	0.00671775
0.0485358	1	832	24	0.00797126
0.0718724	1	613	17	0.00790946
0.0843529	1	717	20	0.0081125
0.117294	1	997	28	0.00717678
0.0664425	1	573	16	0.0064794
0.0732365	1	625	18	0.00963966
0.106904	1	929	24	0.00677071
0.0955294	1	812	19	0.00741512
0.0953164	1	812	19	0.00741512
0.0932941	1	793	20	0.0068943

0.07213	1	617	13	0.00877456
0.0608235	1	517	10	0.00841263
0.0421558	1	1106	30	0.00181847
0.401214	1	4561	124	0.00210095
0.136806	1	1166	31	0.00210978
0.0843529	1	717	19	0.00737981
0.0758824	1	645	18	0.00973676
0.0968458	1	829	22	0.0049081
0.061652	1	618	11	0.00814781
0.11102	1	946	23	0.00210095
0.0733396	1	625	13	0.00594975
0.0727294	1	619	16	0.00879222
0.0352549	1	592	10	0.00859801
0.0705882	1	600	17	0.00844794
0.0708235	1	602	12	0.00961318
0.0476636	1	612	15	0.00778588
0.072	1	612	15	0.00778588
0.0680806	1	581	13	0.00144771
0.0192884	1	644	18	0.00887167
0.0447346	1	644	18	0.00887167
0.0782353	1	665	19	0.00700023
0.0716471	1	609	17	0.00700023
0.0415672	1	679	19	0.00672658
0.0685076	1	583	11	0.00910118
0.100141	1	853	22	0.0049699
0.0407468	1	347	10	0.00768878
0.0958824	1	815	23	0.00163309
0.0701011	1	596	12	0.00272771
0.0563025	1	804	21	0.00667361
0.0428846	1	804	21	0.00667361
0.0750588	1	638	18	0.00538479
0.0887059	1	754	18	0.00604686
0.0528801	1	784	21	0.00511997
0.0835294	1	710	18	0.00822726
0.0778823	1	662	19	0.00747692
0.0970588	1	825	22	0.00780354
0.128118	1	1089	28	0.00608217
0.0904706	1	769	22	0.00850091
0.0799248	1	680	19	0.00873925
0.0716972	1	610	17	0.00813015
0.0637647	1	542	15	0.0062852
0.0782802	1	670	19	0.00498755
0.0806169	1	690	17	0.00668244
0.123059	1	1046	26	0.00190675
0.0711818	1	618	17	0.0096838
0.127854	1	1092	29	0.00186261
0.0787872	1	673	19	0.00685899

0.0828588	1	713	18	0.0076005
0.0838824	1	713	18	0.0076005
0.0788235	1	670	19	0.00201268
0.066	1	561	12	0.00601155
0.184824	1	1571	31	0.00201268
0.0990588	1	842	17	0.00728271
0.0769412	1	654	19	0.00768878
0.0652216	1	677	18	0.00899525
0.061822	1	530	15	0.009622
0.0510597	1	530	15	0.009622
0.044934	1	620	17	0.00906587
0.0705882	1	600	13	0.0042637
0.0690588	1	587	14	0.00833319
0.0638824	1	543	12	0.0076005
0.0743718	1	731	19	0.00761816
0.0659457	1	561	16	0.00913649
0.111751	1	951	27	0.00733567
0.0655294	1	557	13	0.00780354
0.0756819	1	652	18	0.00784767
0.0492158	1	750	21	0.00761816
0.0877706	1	750	21	0.00761816
0.0510718	1	436	13	0.00741512
0.0511137	1	436	13	0.00741512
0.101294	1	861	23	0.00828022
0.103035	1	876	24	0.00802422
0.0738824	1	628	16	0.00589679
0.03968	1	610	18	0.00873925
0.038379	1	590	16	0.00858918
0.0685967	1	590	16	0.00858918
0.0446887	1	687	18	0.00772409
0.0798744	1	687	18	0.00772409
0.0756471	1	643	18	0.00196854
0.0877647	1	746	20	0.00957787
0.0743164	1	636	18	0.00975442
0.0692919	1	593	16	0.00604686
0.0659175	1	657	17	0.00986918
0.0919554	1	783	22	0.00678837
0.0698304	1	696	20	0.0063823
0.0637102	1	635	18	0.00813898
0.0615277	1	526	13	0.00732685
0.0546618	1	914	25	0.00684133
0.0938824	1	798	23	0.00507583
0.0885466	1	753	21	0.00709733
0.103879	1	889	39	0.00678837
0.0542353	1	461	11	0.00570258
0.0718824	1	611	17	0.00772409
0.0772941	1	657	18	0.00427252



0.0711711	1	849	24	0.00712381
0.0658824	1	560	16	0.00346922
0.141647	1	1204	29	0.00485514
0.0843529	1	717	20	0.0061881
0.076	1	646	14	0.00670892
0.0711765	1	605	13	0.00991331
0.0993541	1	846	23	0.00783002
0.110863	1	944	27	0.00143889
0.0713692	1	945	26	0.00939249
0.0998823	1	849	24	0.00728271
0.221529	1	1883	50	0.0014742
0.0545846	1	912	26	0.00200385
0.0684187	1	604	12	0.00994862
0.110331	1	974	28	0.00726506
0.0681921	1	602	17	0.00772409
0.081797	1	701	20	0.00690313
0.0784103	1	1022	29	0.00322205
0.0370569	1	483	13	0.00832436
0.109483	1	1427	34	0.00497873
0.0742353	1	631	18	0.00841263
0.0860035	1	977	27	0.00186261
0.114941	1	977	27	0.00186261
0.120785	1	1046	24	0.00265709
0.122583	1	1046	24	0.00265709
0.0934118	1	794	22	0.00261295
0.0691765	1	588	17	0.00645292
0.0695294	1	591	10	0.00504052
0.0203346	0.296108	591	10	0.00504052
0.0694967	1	591	13	0.00657651
0.080334	1	683	19	0.0069914
0.0397861	1	610	17	0.00641761
0.0708235	1	602	17	0.00848325
0.0658824	1	560	15	0.00798008
0.0784706	1	667	19	0.00629403
0.0501206	1	644	18	0.00722092
0.0985882	1	838	18	0.00601155
0.114588	1	974	27	0.00200385
0.0575294	1	489	14	0.00508466
0.0819711	1	697	19	0.0075034
0.0499967	1	753	21	0.00579086
0.0885882	1	753	21	0.00579086
0.0725759	1	619	18	0.00904822
0.08	1	680	18	0.00757402
0.0577944	1	588	16	0.0096838
0.0725844	1	619	18	0.00951608
0.0695897	1	619	18	0.00951608
0.0904706	1	769	21	0.00207447

0.206941	1	1759	43	0.00173902
0.0347202	1	590	16	0.00637347
0.114824	1	976	24	0.00543776
0.0734118	0.624	1000	28	0.0083067
0.117647	1	1000	28	0.0083067
0.0717647	1	610	12	0.00963966
0.0753143	1	641	18	0.0078565
0.0775294	1	659	18	0.00703554
0.110092	1	936	19	0.00674423
0.0683741	1	582	16	0.00869511
0.0375067	1	488	14	0.00841263
0.0385838	1	449	13	0.00941014
0.0702353	1	597	17	0.00728271
0.112727	1	961	21	0.0054819
0.0711903	1	619	17	0.00787415
0.122353	1	1040	28	0.00196854
0.0691883	1	589	17	0.00551721
0.0685882	1	583	16	0.00959552
0.0722712	1	680	19	0.00617044
0.033703	1	541	10	0.00853622
0.074594	1	643	18	0.00717678
0.0694118	1	590	16	0.00906587
0.0633276	1	550	16	0.00974559
0.0609709	1	628	13	0.0072474
0.0744131	1	634	18	0.00825374
0.0694118	1	590	17	0.00925125
0.0690588	1	587	15	0.009878
0.129647	1	1102	30	0.00744161
0.0503474	1	587	12	0.00854505
0.134156	1	1207	30	0.00109461
0.0750588	1	638	18	0.00843912
0.113658	1	967	27	0.0080154
0.0548112	1	810	23	0.00703554
0.0385204	1	629	18	0.00715913
0.0712525	1	607	17	0.00324853
0.0917948	1	782	21	0.00791829
0.0719138	1	614	18	0.00853622
0.0344185	1	443	13	0.00717678
0.0413931	1	643	18	0.00665596
0.0652941	1	555	14	0.00895994
0.131765	1	1120	31	0.00804188
0.123184	1	1102	26	0.00172137
0.0749412	1	637	18	0.00685016
0.0696471	1	592	16	0.00847443
0.0887059	1	754	21	0.00627637
0.0699954	1	607	10	0.00765347
0.0928314	1	799	20	0.00791829

0.193529	0.908338	1811	42	0.00196854
0.0800141	1	683	20	0.00763581
0.066	1	561	16	0.00661182
0.0738824	1	628	13	0.00678837
0.0791765	1	673	19	0.00190675
0.07	1	595	17	0.0094278
0.0596219	1	514	15	0.00722092
0.0734899	1	629	18	0.00626754
0.0864587	1	740	21	0.00803305
0.231059	1	1964	52	0.00106813
0.0574989	1	669	18	0.00658534
0.0631963	1	692	18	0.00843029
0.0814118	1	692	18	0.00843029
0.0661187	1	724	20	0.00783002
0.0851765	1	724	20	0.00783002
0.0701176	1	596	17	0.00745043
0.0727722	1	619	17	0.00957787
0.0673946	1	574	12	0.00694727
0.104771	1	896	19	0.00690313
0.0686389	1	587	10	0.00808601
0.0502353	1	427	12	0.00657651
0.127882	1	1087	30	0.00200385
0.123647	1	1051	29	0.00196854
0.0851765	1	724	20	0.00581734
0.109634	1	932	26	0.00587913
0.0944595	1	803	19	0.00771526
0.0697513	1	603	17	0.00866863
0.0657653	1	929	19	0.00414894
0.0710588	1	604	16	0.00983387
0.0473595	1	669	18	0.00723857
0.0916228	1	852	16	0.00653237
0.0765882	1	651	13	0.00790946
0.0727059	1	618	15	0.00694727
0.113245	1	967	26	0.00128882
0.0725182	1	618	14	0.00624106
0.0755294	1	642	18	0.0078565
0.218353	1	1856	51	0.00162426
0.192978	1	1660	34	0.00162426
0.13183	1	1134	27	0.00159778
0.0702353	1	597	17	0.00742395
0.0702538	1	598	16	0.00604686
0.136866	1	1165	27	0.00165075
0.0964706	1	820	20	0.00180964
0.0888054	1	756	21	0.00821843
0.0889412	1	756	21	0.00821843
0.108305	1	922	25	0.00135061
0.108471	1	922	25	0.00135061

0.0704242	1	601	17	0.00803305
0.0639054	1	827	23	0.00427252
0.0696471	1	592	12	0.00694727
0.0483529	1	411	12	0.00842146
0.0825882	1	702	19	0.00814781
0.0687313	1	597	15	0.00575555
0.0924476	1	803	22	0.00169488
0.106148	0.99568	926	25	0.00783002
0.065494	1	592	11	0.00963966
0.0742353	1	631	18	0.00650589
0.077906	1	817	18	0.00780354
0.0718885	1	614	12	0.00996628
0.072	1	612	17	0.00614396
0.0695294	1	591	13	0.00489928
0.116757	1	995	28	0.00357515
0.0581176	1	494	10	0.00937483
0.047665	1	494	10	0.00937483
0.0679135	1	581	13	0.00765347
0.0799532	1	684	19	0.0083685
0.0269815	1	913	26	0.00508466
0.0364383	1	1233	35	0.00193323
0.0256221	1	867	20	0.00632051
0.0320645	1	1085	31	0.00186261
0.0296708	1	1004	28	0.00658534
0.030055	1	1017	29	0.00123585
0.0692124	1	609	17	0.00854505
0.0177315	1	600	17	0.00812133
0.0484616	0.991892	740	21	0.00667361
0.0880679	1	758	17	0.00566727
0.0703529	1	598	14	0.00719444
0.0400703	1	342	10	0.0094278
0.12968	1	1105	28	0.00641761
0.071897	0.943164	651	19	0.0063823
0.0660043	1	651	19	0.0063823
0.128706	1	1094	30	0.00129765
0.0792941	1	674	19	0.00648823
0.134941	1	1147	32	0.00148303
0.134697	1	1146	33	0.0039106
0.0715289	1	611	17	0.00998393
0.085044	1	725	21	0.00671775
0.0865882	1	736	19	0.00574672
0.103802	1	890	22	0.00379584
0.0857647	1	729	21	0.0029837
0.0690588	1	587	11	0.00476687
0.0749412	1	637	12	0.00530534
0.118471	1	1007	23	0.00460797
0.0485963	1	547	13	0.0099398

0.0692174	1	597	17	0.0089158
0.0795294	1	676	14	0.00604686
0.0368102	1	601	17	0.00764464
0.0339395	1	601	17	0.00764464
0.0635193	1	592	17	0.00925125
0.0711856	1	607	17	0.00762698
0.0703343	1	606	14	0.00666478
0.0692941	1	589	16	0.00717678
0.098332	1	843	23	0.00744161
0.0929412	1	790	19	0.00742395
0.0581853	1	606	13	0.00936601
0.0715538	1	612	18	0.00788298
0.0881176	1	749	21	0.00894229
0.106	1	901	17	0.00842146
0.0703529	1	598	13	0.00972794
0.108824	1	925	26	0.00813898
0.130118	1	1106	30	0.00790064
0.113658	1	967	26	0.0044579
0.08063	1	686	15	0.00624989
0.0534647	1	456	13	0.00662065
0.0594498	1	631	23	0.00816546
0.0690649	1	599	17	0.00944545
0.0650588	1	553	11	0.00854505
0.100353	1	853	24	0.00200385
0.124797	1	1077	26	0.00181847
0.100197	1	915	21	0.00678837
0.097131	1	887	22	0.00135061
0.111059	1	944	20	0.00172137
0.0827059	1	703	19	0.00812133
0.134775	1	1153	32	0.00196854
0.120281	1	1029	26	0.00757402
0.113267	1	969	27	0.00200385
0.0680544	1	595	17	0.00886284
0.110667	1	941	22	0.0042637
0.0462043	1	493	14	0.00967497
0.10806	1	1153	27	0.0020215
0.0703189	1	602	13	0.00531417
0.128878	1	1159	28	0.00754754
0.0821295	1	705	20	0.00512879
0.11335	1	973	27	0.00771526
0.068849	1	591	11	0.00321322
0.104954	1	894	24	0.00456383
0.1444	1	1230	28	0.00154482
0.0760383	1	1104	28	0.00181847
0.0967698	1	1405	35	0.00572907
0.134756	1	1181	30	0.0014742
0.125285	1	1098	26	0.00624989

0.0967059	1	822	23	0.0022775
0.0721238	1	615	16	0.00604686
0.294471	1	2503	70	0.00148303
0.0924706	1	786	20	0.00572907
0.0506954	1	667	19	0.00804188
0.0890242	1	760	17	0.00812133
0.040951	1	608	16	0.00979856
0.0455984	1	677	18	0.00458149
0.0713783	1	608	12	0.00948077
0.0675582	1	586	17	0.00837732
0.130699	1	1118	28	0.00580851
0.126023	1	1078	30	0.00201268
0.0618407	1	598	17	0.00949842
0.077285	1	657	18	0.00779471
0.0766896	1	657	18	0.00779471
0.0456509	1	761	22	0.00790946
0.0633473	1	1056	30	0.00300136
0.00569886	0.0878004	1082	28	0.00690313
0.0627059	1	533	14	0.00949842
0.0912941	1	776	22	0.00819195
0.102706	1	873	24	0.00481983
0.159572	1	1357	30	0.00637347
0.0977585	1	833	23	0.00703554
0.0954118	1	811	22	0.00700023
0.0687588	1	585	15	0.00969263
0.0897225	1	763	19	0.00664713
0.0387806	1	603	17	0.00814781
0.0958824	1	815	20	0.0086245
0.236775	1	2050	51	0.00161544
0.240752	1	2050	51	0.00161544
0.0594972	1	613	17	0.00880987
0.0807855	1	687	13	0.00249819
0.0419605	1	601	17	0.00924242
0.0566753	1	523	15	0.0079536
0.0681176	1	579	15	0.00787415
0.0869412	1	739	16	0.00788298
0.0811765	1	690	19	0.00684133
0.0832941	1	708	18	0.00623224
0.0490588	1	417	12	0.00949842
0.0686229	1	587	15	0.00747692
0.0692615	1	589	17	0.00802422
0.076	1	646	18	0.00831553
0.0727059	1	618	14	0.00743278
0.0972941	1	827	22	0.00645292
0.0402654	1	625	18	0.0078565
0.0727675	1	625	18	0.0078565
0.0686229	1	587	17	0.00996628

0.0201427	0.298126	587	17	0.00996628
0.0638322	1	563	16	0.00963966
0.0675278	1	596	12	0.0090747
0.118125	1	1134	29	0.00308081
0.13045	1	1116	31	0.00783884
0.0684916	1	603	17	0.0081125
0.08744	1	747	19	0.00660299
0.0909517	0.992337	783	22	0.00194206
0.0725456	1	617	16	0.00561431
0.068997	1	604	15	0.00949842
0.139529	1	1186	24	0.00614396
0.0688235	1	585	17	0.0075034
0.0685413	1	585	17	0.0075034
0.0703529	1	598	11	0.00694727
0.0828055	1	706	15	0.00768878
0.072292	1	616	16	0.00799774
0.0471924	1	611	18	0.00841263
0.0700956	1	601	15	0.00960435
0.0701857	1	601	15	0.00960435
0.0711681	1	605	15	0.00791829
0.0742639	1	681	17	0.00996628
0.0704706	1	599	17	0.00991331
0.101679	1	872	22	0.00762698
0.08	1	680	19	0.00690313
0.0311223	1	480	14	0.00780354
0.0420152	1	648	18	0.00794477
0.0779221	1	672	19	0.00535831
0.0758824	1	645	18	0.0080154
0.0610185	1	520	15	0.00752988
0.035008	1	1133	30	0.00842146
0.018261	1	591	13	0.00783002
0.0315474	1	1021	29	0.0083685
0.0691765	1	588	13	0.00682368
0.0737213	1	627	17	0.00693844
0.0933568	1	794	22	0.00717678
0.084676	1	720	19	0.00765347
0.0586672	1	618	15	0.00918946
0.0882353	1	750	21	0.00814781
0.0598389	1	572	12	0.0078565
0.0680999	1	586	17	0.00665596
0.0471346	1	607	17	0.00747692
0.0836028	1	724	21	0.0076976
0.0618762	1	558	16	0.0068943
0.0411938	1	755	19	0.00570258
0.0331187	1	607	17	0.00979856
0.0320275	1	587	16	0.00783002
0.0711985	1	619	16	0.00703554

0.0489559	1	776	22	0.00747692
0.0694118	1	590	16	0.00710616
0.0689816	1	590	16	0.00710616
0.0504927	1	579	13	0.0093307
0.0724621	1	636	16	0.00664713
0.0704341	1	602	16	0.00700023
0.0699227	1	597	17	0.00886284
0.0802433	1	686	19	0.00137709
0.0773393	1	686	19	0.00137709
0.0715873	1	612	13	0.00544658
0.122235	1	1039	46	0.00692961



Fraction of negatively enriched windows in region

MAT-score on T(WTC vs. WTHF)

1	-3.90155
0	4.07521
1	-4.08735
1	-4.10049
0	5.07856
1	-3.92384
0	4.22071
0	4.24394
0	4.07922
0	3.96262
1	-3.94001
1	-3.96604
0	5.17642
1	-4.14038
1	-4.01415
1	-3.95346
0	4.10004
1	-4.07643
1	-4.03512
1	-4.04247
0	3.94101
1	-4.04387
1	-4.02359
0	4.26043
0	4.39185
1	-4.21036
1	-4.09801
0	4.2736
0	4.91078
0	4.29846
0	4.47824
0	4.35826
1	-4.17994
1	-3.92873
1	-4.08225
0	3.89671
1	-3.92784
0	4.85985
0	4.37448
0	4.59524
0	4.18229
0	4.02555
0	5.00887
0	4.2521

0	4.16311
0	4.12692
0	5.30103
1	-4.08679
0	4.02925
0	5.06718
1	-4.02561
0	4.43671
1	-4.1977
1	-4.02401
0	4.03362
0	4.01824
0	4.41092
0	4.03304
0	4.0779
0	4.66544
0	4.16693
0	5.02344
0	4.21329
0	4.2018
0	4.23719
0	4.11819
0	5.04818
0	4.60694
1	-4.07964
0	4.04366
0	5.05678
0	4.28919
0	4.15535
0	4.06431
0	4.06431
0	4.15825
0	5.24334
0	3.91235
0	4.06525
0	4.25235
0	5.4422
0	4.08607
0	4.67424
0	4.34449
0	5.00464
0	5.29287
0	3.88739
0	4.01759
0	3.93652
0	4.27912
0	4.17043

0	4.22781
0	4.14783
1	-4.03304
0	4.23048
0	3.86578
0	3.86578
0	4.17822
0	4.19435
0	4.81551
0	4.07422
0	3.95533
0	4.17089
1	-4.01931
0	4.16938
0	4.16938
0	4.17047
0	5.37179
0	4.34458
0	5.06415
1	-4.01193
1	-4.04275
0	5.1486
1	-3.98602
1	-4.00106
0	3.95132
1	-4.0186
1	-4.00673
0	5.06082
0	5.16766
0	4.13199
0	5.0188
0	3.87654
0	4.32109
0	5.17302
1	-4.01128
0	4.12578
0	3.90041
1	-4.02146
1	-3.91734
1	-3.92764
0	4.72317
0	5.03212
0	4.62476
0	5.28011
0	5.09355
0	4.51299
1	-4.15616

1	-4.17292
0	4.00394
0	5.25778
1	-3.904
1	-4.09591
1	-3.95763
0	3.87451
0	5.24575
1	-4.02426
0	5.61269
1	-3.96703
0	4.22806
0	5.00504
0	4.08155
0	5.17208
0	4.12663
0	5.06552
0	4.35848
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7	4613610	4623718	NM_011813	chr7	4615686	4616478
19	4612333	4621502	NM_153388	chr19	4613587	4614292
8	4607167	4615669	NM_145591	chr8	4613013	4613619
16	4537648	4546174	NM_025571	chr16	4541902	4542782
2	4538026	4546525	BC046822	chr2	4540575	4541477

13	4520076	4528579	NM_054080	chr13	4524955	4525578
7	4507016	4531430	NM_173008	chr7	4523455	4524060
16	4503941	4512622	NM_031184	chr16	4511418	4512035
19	4504537	4513036	BC055030	chr19	4509974	4510930
1	4481035	4492838	NM_011441	chr1	4482011	4483090
12	4349481	4357984	U64606	chr12	4351726	4352416
16	4332316	4341034	NM_009624	chr16	4334682	4335333
9	4303833	4316194	NM_026962	chr9	4310164	4310759
9	4306955	4315469	NM_026276	chr9	4310164	4310759
8	4247080	4255601	NM_133968	chr8	4250433	4251034
12	4239070	4247926	NM_134046	chr12	4245516	4246105
11	4160587	4169597	NM_001039537	chr11	4165064	4165675
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19	4137105	4145609	NM_144532	chr19	4143076	4144062
19	4142663	4158371	NM_011778	chr19	4143076	4144062
11	4130423	4139335	NM_001013365	chr11	4136338	4136923
11	4112254	4122564	NM_028022	chr11	4117621	4118280
11	4070315	4078814	BC010727	chr11	4076012	4076699
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11	4054371	4062896	NM_026175	chr11	4060172	4060761
11	4057797	4066296	NM_177616	chr11	4060172	4060761
11	4045169	4057431	BC046392	chr11	4052791	4053559
11	4045169	4057431	BC046392	chr11	4051574	4052277
19	3973523	4005886	NM_001001320	chr19	4003199	4003818
19	3973523	4005886	NM_001001320	chr19	3992974	3993591
19	3973523	4005886	NM_001001320	chr19	3990602	3991583
19	3973523	4005886	NM_001001320	chr19	3979208	3979942
15	3970428	3979223	NM_024188	chr15	3977954	3978543
19	3973523	4005886	NM_001001320	chr19	3977376	3978071
15	3970428	3979223	NM_024188	chr15	3975081	3975666
11	3958844	3967343	NM_001029937	chr11	3959055	3959661
4	3944230	3952810	NM_181989	chr4	3945057	3945647
13	3914858	3923466	NM_019671	chr13	3916973	3917558
19	3902207	3918735	NM_016921	chr19	3902386	3902988
4	3863030	3871529	NM_019969	chr4	3870330	3871077
16	3779337	3793602	NM_001033159	chr16	3788062	3789046
8	3746431	3754984	NM_133238	chr8	3754045	3754805
5	3596072	3604571	NM_027777	chr5	3597170	3597877
8	3449739	3458238	BC009156	chr8	3451512	3452192
15	3418988	3427487	NM_001048147	chr15	3420136	3420726
2	3281342	3289863	NM_145921	chr2	3287849	3288441
19	3280407	3288906	NM_009212	chr19	3286016	3286963
7	3278094	3286640	NM_181820	chr7	3279855	3280474
11	3224404	3233310	NM_178149	chr11	3230877	3231656
11	3090915	3099463	BC046305	chr11	3092668	3093610
11	3018018	3032526	NM_001004146	chr11	3023554	3024401
5	3004565	3013064	NM_134232	chr5	3006656	3007307

Y_random	1402748	1411247 NM_001037748	chrY_random	1408731	1409248
Un_random	298773	307326 NM_153523	chrUn_random	303535	304250
Un_random	298773	307326 NM_153523	chrUn_random	302211	302572
17_random	79874	88373 NM_146937	chr17_random	82949	83303

ACCEPTED MANUSCRIPT

gene overlap percent	region overlap percent	length(bps)	probes in region	p-value(region)	
0.071025		1	616	17	0.00910118
0.100234		1	857	24	0.0089158
0.0758824		1	645	18	0.00895994
0.0769861		1	658	18	0.00781236
0.0425085		1	526	15	0.00664713
0.0712187		1	606	14	0.00988683
0.07036		1	602	16	0.00903056
0.108588		1	923	21	0.00792712
0.0534843		1	614	17	0.00838615
0.0694118		1	590	14	0.00776822
0.103675		1	883	25	0.00921594
0.0490115		1	766	20	0.00817429
0.0792502		1	723	21	0.00767995
0.0696416		1	618	17	0.00822726
0.0315322		1	632	18	0.00768878
0.076		1	646	18	0.00813015
0.0444706		1	378	11	0.00971911
0.109412		1	930	26	0.00848325
0.0768235		1	653	15	0.00651472
0.115882		1	985	28	0.00608217
0.0491167		1	645	19	0.00788298
0.0877647		1	746	20	0.00559665
0.100655		1	922	26	0.0044579
0.102553		1	932	26	0.00911884
0.109364		1	932	26	0.00911884
0.0681032		1	591	16	0.00661182
0.0695294		1	591	16	0.00661182
0.0699965		1	597	17	0.00871277
0.0551061	0.501066		938	24	0.00833319
0.0704655		1	601	17	0.00847443
0.088756		1	757	21	0.00572907
0.127925		1	1099	29	0.00763581
0.0850588		1	723	20	0.00552603
0.0415441		1	692	20	0.00869511
0.0565803		1	500	14	0.00765347
0.0884093		1	762	22	0.00684133
0.0832256		1	708	17	0.00560548
0.165275		1	1405	33	0.00518176
0.03529	0.408719		734	19	0.0079536
0.0476301		1	615	17	0.00535831
0.0749412		1	637	12	0.00743278
0.0768235		1	653	16	0.00899525
0.0839497		1	715	20	0.00783002
0.120353		1	1023	27	0.0076005

0.0700725	1	609	15	0.00813015
0.0346852	1	585	12	0.00946311
0.0728064	1	619	18	0.00971028
0.0716208	1	612	16	0.00799774
0.0886728	1	757	20	0.00793595
0.10402	1	885	22	0.00847443
0.0694673	1	592	15	0.00757402
0.109286	1	945	27	0.0074063
0.0974118	1	828	23	0.00871277
0.0698217	1	599	17	0.00838615
0.128028	1	1131	27	0.00808601
0.0701176	1	596	12	0.00629403
0.0737647	1	627	17	0.00945428
0.0702353	1	597	17	0.00702671
0.0763403	1	655	19	0.00668244
0.0814118	1	692	19	0.00543776
0.0668021	1	592	17	0.00941014
0.101723	1	868	23	0.00585265
0.0812941	1	691	17	0.00688547
0.0687059	1	584	13	0.0072474
0.0711765	1	605	17	0.00837732
0.074	1	629	18	0.00859801
0.0934118	1	794	23	0.00858036
0.115799	1	988	20	0.00775057
0.0796471	1	677	19	0.0064794
0.0689412	1	586	14	0.00676189
0.104659	1	894	22	0.00843029
0.0716795	1	612	18	0.00828022
0.0719728	1	614	17	0.00926008
0.0833042	1	716	20	0.00838615
0.0652303	1	878	20	0.00925125
0.0425857	1	836	23	0.00829788
0.06211	1	836	23	0.00829788
0.0773117	1	658	19	0.0074063
0.048	0.690355	591	17	0.00775057
0.0785882	1	668	15	0.00844794
0.0712941	1	606	17	0.00879222
0.092	1	782	22	0.00555251
0.0879869	1	750	16	0.00822726
0.0646073	1	617	17	0.00784767
0.07182	1	616	18	0.00835084
0.0917108	1	780	22	0.00639996
0.0696471	1	592	17	0.00840381
0.0757647	1	644	18	0.00966614
0.0729798	1	662	19	0.00865098
0.0727952	1	662	19	0.00865098
0.0879121	1	752	21	0.00684133

0.0453826	1	631	17	0.00578203
0.0552462	1	496	12	0.00821843
0.0743095	1	643	14	0.00649706
0.0521921	1	650	13	0.00719444
0.069384	1	606	14	0.00835967
0.109801	1	959	27	0.00838615
0.0709412	1	603	15	0.00981621
0.0698849	1	595	11	0.00946311
0.0704043	1	599	17	0.00474038
0.0914911	1	786	22	0.00930421
0.09	1	765	18	0.00890698
0.0544497	1	662	18	0.00816546
0.0434118	1	369	11	0.00826257
0.0685882	1	583	10	0.0099398
0.0923817	1	787	22	0.0085627
0.0693486	1	593	16	0.00735333
0.0726888	1	618	16	0.00992214
0.0852553	1	743	17	0.00781236
0.0694118	1	590	17	0.00999276
0.0698166	1	594	15	0.00595858
0.0704043	1	599	17	0.0085627
0.0691817	1	596	17	0.00890698
0.0452037	1	385	11	0.00839498
0.046798	1	399	11	0.00730919
0.0467416	1	728	16	0.00894229
0.0238844	1	372	11	0.00982504
0.0796729	1	682	14	0.00721209
0.0815294	1	693	20	0.00867746
0.0813285	1	693	20	0.00867746
0.0814118	1	692	12	0.00704437
0.0811765	1	690	19	0.00888932
0.0704706	1	599	12	0.00759167
0.0705882	1	600	17	0.00840381
0.0312526	1	754	20	0.00840381
0.0740351	1	633	17	0.00712381
0.0713033	1	610	14	0.00621458
0.0927059	1	788	22	0.005323
0.072	1	612	17	0.00636465
0.0696471	1	592	17	0.00909235
0.0406413	1	692	12	0.0052259
0.114132	1	974	25	0.00775057
0.0442446	1	605	16	0.00975442
0.045461	1	636	18	0.00759167
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0.0834114	1	1425	30	0.00726506
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0.0687059	1	584	17	0.00880987
0.0453206	1	600	17	0.00946311
0.0723529	1	615	17	0.00840381
0.0688235	1	585	13	0.00918946
0.0816471	1	694	20	0.00479335
0.0687983	1	596	17	0.00451969
0.0955788	1	815	18	0.00677071
0.0861806	1	734	20	0.00873042
0.0857376	1	734	20	0.00873042
0.0536513	1	720	19	0.00659416
0.0728235	1	619	17	0.00768878
0.0991784	1	845	17	0.00704437
0.0710588	1	604	17	0.00822726
0.0681525	1	581	16	0.00512879
0.0356471	0.427362	709	20	0.00747692
0.0707059	1	601	17	0.00722092
0.076	1	646	18	0.0077594
0.018	0.257576	594	17	0.00715913
0.132588	1	1127	32	0.00634699
0.0903529	1	768	22	0.00805953
0.0891468	1	768	22	0.00805953
0.119176	1	1013	29	0.00648823
0.0895294	1	761	21	0.00762698
0.0956471	1	813	19	0.00524355
0.0905978	1	979	20	0.00682368
0.0526091	1	616	14	0.00887167
0.0793039	1	679	15	0.00513762
0.0526761	1	934	26	0.00712381
0.0675523	1	839	24	0.00648823
0.0508052	1	631	18	0.00498755
0.0600741	1	616	17	0.00895111
0.0989412	1	841	24	0.00694727
0.0697647	1	593	17	0.00772409
0.0697647	1	593	17	0.00772409
0.038423	1	613	18	0.00984269
0.0707985	1	602	16	0.00427252
0.0701795	1	602	16	0.00427252
0.0707059	1	601	13	0.00875691
0.0491765	1	418	12	0.0096838
0.0876349	1	747	20	0.00647058
0.088	1	748	20	0.00595858
0.104725	1	891	24	0.00549072
0.107619	1	1000	24	0.0080154
0.133294	1	1133	32	0.005067
0.0862353	1	733	20	0.00849208

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0.0587659	1	600	17	0.0062852
0.094247	1	806	21	0.0070532
0.0653648	1	559	16	0.00873925
0.0550442	1	616	14	0.00678837
0.0711405	1	829	23	0.00408714
0.0773352	1	664	15	0.00838615
0.0708129	1	608	17	0.00937483
0.0693011	1	591	17	0.0081125
0.0902574	1	768	20	0.00500521
0.0958985	1	816	23	0.00702671
0.0731679	1	622	13	0.00735333
0.079613	1	683	19	0.005835
0.0688891	1	591	17	0.0085627
0.11295	1	969	22	0.00697375
0.0515922	1	708	20	0.00816546
0.0805882	1	685	19	0.00398121
0.0379838	1	633	18	0.00738864
0.0807713	1	754	15	0.00743278
0.0890198	1	831	23	0.00649706
0.0718824	1	611	13	0.00978973
0.0708235	1	602	12	0.00773291
0.0723529	1	615	17	0.00971028
0.076309	1	650	17	0.00726506
0.0689412	1	586	12	0.00510231
0.0801177	1	681	15	0.00821843
0.0660015	1	602	15	0.00984269
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0.0367062	1	600	15	0.00919828
0.0361556	1	591	10	0.00799774
0.0692941	1	589	17	0.00975442
0.0732941	1	623	12	0.00955139
0.0927275	1	802	22	0.00484631
0.0712358	1	607	17	0.00848325
0.0690588	1	587	16	0.00794477
0.0242721	1	386	11	0.00826257
0.0704706	1	599	16	0.00889815
0.0954284	1	812	20	0.00784767
0.0712941	1	606	17	0.00781236
0.0930459	1	859	24	0.00781236
0.0738735	1	682	19	0.00611748
0.0787015	1	674	19	0.00535831
0.0534717	1	603	17	0.00995745
0.0279477	1	594	12	0.00721209
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0.0709412	1	603	17	0.00839498
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0.083417	1	748	17	0.00651472
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0.07106	1	606	17	0.00948077
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0.0616684	1	584	17	0.00932187
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0.0644444	1	609	17	0.0041048
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0.0890588	1	757	22	0.00564079
0.0575965	1	613	15	0.00697375
0.0653951	1	696	19	0.00425487
0.0871248	1	743	21	0.00820077
0.0752941	1	640	18	0.00868629
0.0725882	1	617	17	0.00794477
0.0904706	1	769	22	0.00710616
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0.0758667	1	674	19	0.00873042
0.035137	0.445104	674	19	0.00873042
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0.0667059	1	567	14	0.00489045
0.103412	1	879	25	0.00873925
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0.0445507	1	699	19	0.00585265
0.0784396	1	752	19	0.00626754
0.0541478	1	609	12	0.00572024
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0.0355068	1	660	17	0.00758285
0.027975	1	520	15	0.00973676
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0.0891765	1	758	21	0.00868629
0.0690588	0.998299	588	16	0.00981621
0.0911596	1	860	15	0.00731802
0.0855293	1	753	22	0.00741512
0.0614123	1	674	19	0.00798891
0.0493591	1	439	12	0.00648823
0.0393831	1	595	17	0.0091718
0.0727059	1	618	17	0.00977207
0.0719181	1	892	22	0.00594093
0.072474	1	619	14	0.00858918
0.0830588	1	706	20	0.00661182
0.101981	1	875	24	0.00794477
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0.0702976	1	626	16	0.00794477
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0.0765882	1	651	17	0.00834201
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0.0737198	1	632	18	0.00682368
0.0561697	1	625	18	0.00786533
0.0729033	1	625	18	0.00786533
0.113254	1	963	27	0.00918946
0.0662353	1	563	14	0.00732685
0.0875429	1	766	21	0.00660299
0.0948195	1	809	22	0.00707085
0.0709245	1	603	17	0.00826257
0.0825688	1	702	20	0.00722092
0.0721176	1	613	17	0.00764464
0.05354	1	456	10	0.00745043
0.101059	1	859	20	0.00519059
0.0837635	1	714	17	0.00745926
0.0825613	1	704	20	0.00731802
0.0721843	1	614	16	0.00780354
0.0548102	1	670	12	0.00956021
0.0835294	1	710	20	0.00468742
0.0729324	1	627	18	0.00659416
0.0723274	1	615	17	0.00890698
0.105246	1	941	25	0.00879222
0.0424897	1	555	16	0.00741512
0.0461644	1	603	17	0.00823608
0.0517532	1	676	19	0.00813015
0.0693821	1	603	17	0.00662947
0.0709195	1	607	17	0.00847443
0.107319	1	915	26	0.00590562
0.0609884	1	522	15	0.00768878
0.0782353	1	665	18	0.00850091
0.0781598	1	666	19	0.00574672
0.0736597	1	632	18	0.00549955
0.0855132	1	729	20	0.00838615
0.0447589	1	620	17	0.00658534
0.0377763	1	617	14	0.00823608
0.0761112	1	649	19	0.00777705
0.044841	1	671	19	0.00807719
0.136471	1	1160	29	0.0064441
0.0633052	1	742	18	0.00833319
0.0872941	1	742	18	0.00833319
0.0289093	1	489	14	0.00979856
0.0302176	1	418	12	0.00640879
0.0775294	1	659	18	0.00798891

0.0488206	1	445	11	0.00735333
0.0702353	1	597	17	0.00989566
0.0627584	1	592	17	0.00971028
0.0754118	1	641	18	0.00480217
0.0689412	1	586	16	0.00882753
0.0414793	1	692	19	0.00805071
0.0397263	1	598	14	0.00993097
0.0527896	1	809	23	0.00456383
0.059308	1	929	26	0.00559665
0.0725882	1	617	16	0.00810367
0.0384959	1	603	17	0.00863332
0.078542	1	668	18	0.00868629
0.0717546	1	613	13	0.0057732
0.0421348	1	585	17	0.0085627
0.0732132	1	841	18	0.00621458
0.0515365	1	592	17	0.00838615
0.071722	1	611	16	0.00803305
0.0865882	1	736	21	0.00658534
0.113059	1	961	22	0.00762698
0.0797647	1	678	18	0.00840381
0.0473317	1	651	17	0.00669127
0.0684186	1	591	17	0.00841263
0.0875294	1	744	21	0.00745043
0.0690588	1	587	17	0.00998393
0.0842353	1	716	14	0.00842146
0.0885882	1	753	20	0.0077594
0.0237564	1	383	11	0.00921594
0.0876471	1	745	21	0.00867746
0.068921	1	587	17	0.00805953
0.0544666	1	728	20	0.00472273
0.0430316	1	599	17	0.00956904
0.0487069	1	678	19	0.00747692
0.038448	1	654	18	0.00799774
0.0714754	1	654	18	0.00799774
0.0483245	1	822	23	0.00767112
0.0898361	1	822	23	0.00767112
0.0870664	1	758	20	0.0057732
0.0587059	0.650587	767	21	0.00565844
0.0477117	1	564	16	0.00590562
0.0705937	1	604	12	0.00972794
0.0764042	1	657	15	0.00592327
0.0799327	1	713	20	0.00682368
0.0729412	1	620	18	0.00687664
0.0861176	1	732	17	0.00736216
0.092	1	782	22	0.00633817
0.0832941	1	708	18	0.00918946
0.0698824	1	594	16	0.00625872

0.0682427	1	586	17	0.00486397
0.0982412	1	849	24	0.00876573
0.0729412	1	620	17	0.00678837
0.08	1	680	19	0.00468742
0.0320679	1	631	15	0.00726506
0.0553207	1	589	15	0.00973676
0.0718473	1	625	17	0.00534065
0.0936435	1	797	20	0.00777705
0.0240913	1	625	18	0.00729154
0.0897647	1	763	21	0.00790946
0.093116	1	794	22	0.00746809
0.0524839	1	449	13	0.0077594
0.0723529	1	615	17	0.00926008
0.0929412	1	790	22	0.00700906
0.0731765	1	622	11	0.00627637
0.0956471	1	813	23	0.00814781
0.0825882	1	702	20	0.00844794
0.06965	1	593	17	0.00885401
0.0708235	1	602	15	0.00931304
0.144941	1	1232	30	0.00730919
0.0721878	1	618	17	0.00904822
0.0154585	1	351	10	0.00745043
0.0617176	1	636	15	0.00865098
0.128332	1	1093	30	0.00903056
0.056135	1	479	12	0.00971028
0.0709078	1	603	17	0.00844794
0.102235	1	869	25	0.00804188
0.0715626	1	610	17	0.00539362
0.068424	1	610	17	0.00539362
0.0768419	1	655	19	0.00719444
0.0679739	1	884	25	0.00863332
0.0900141	1	768	19	0.00617044
0.070482	1	601	16	0.00951608
0.070573	1	601	16	0.00951608
0.131817	1	1124	31	0.00828905
0.0697647	1	593	17	0.00627637
0.078592	1	681	19	0.00706202
0.0800988	1	681	19	0.00706202
0.0692441	1	600	17	0.00763581
0.0705716	1	600	17	0.00763581
0.0742353	1	631	18	0.00545541
0.0757398	1	773	16	0.00759167
0.08	1	680	17	0.00858918
0.0829412	1	705	20	0.00821843
0.0838824	1	713	18	0.00741512
0.0824512	1	701	20	0.0077594
0.068666	1	593	17	0.00849208

0.0867059	1	737	18	0.00721209
0.0618824	1	526	11	0.00973676
0.0717967	1	613	12	0.00821843
0.0712941	1	606	16	0.00922477
0.0895294	1	761	14	0.00655003
0.0767059	1	652	14	0.00521707
0.076157	1	650	17	0.00879222
0.0687769	1	591	16	0.00941014
0.0544138	1	601	17	0.00975442
0.0705882	1	600	16	0.00972794
0.0648935	1	871	24	0.00912766
0.0708235	1	602	17	0.00826257
0.069172	1	589	10	0.00979856
0.0832946	1	716	20	0.00505817
0.0842353	1	716	20	0.00505817
0.0743529	1	632	18	0.00659416
0.0381577	1	850	24	0.00802422
0.0487805	1	612	16	0.00977207
0.0481428	1	604	17	0.00972794
0.0716121	1	613	18	0.00558783
0.117097	1	1089	26	0.00761816
0.0679725	1	583	17	0.00964849
0.0404332	1	687	17	0.00837732
0.0668943	1	666	19	0.00873042
0.0295617	1	661	18	0.00798891
0.0534118	1	454	13	0.00946311
0.0222667	1	824	23	0.00772409
0.0200508	1	742	21	0.00818312
0.0704126	1	599	17	0.00848325
0.0685794	1	588	16	0.00813898
0.0482279	1	596	17	0.00883636
0.086	1	731	21	0.00876573
0.0887059	1	754	21	0.00589679
0.0719812	1	642	13	0.00890698
0.074318	1	632	18	0.00963966
0.0827313	1	710	21	0.00466094
0.0695193	1	593	14	0.0080154
0.065007	1	974	27	0.00479335
0.0827426	1	712	20	0.00825374
0.084014	1	720	21	0.00466094
0.0720009	1	620	15	0.00752105
0.0414118	0.402286	875	25	0.00722092
0.0452791	1	950	27	0.00790946
0.0740697	1	631	15	0.00752105
0.1	1	850	22	0.00850974
0.0804135	1	739	21	0.00732685
0.0266028	1	600	17	0.00833319

0.0296178	1	668	19	0.00559665
0.0743063	1	640	13	0.00503169
0.045977	1	396	11	0.00569376
0.036767	1	590	17	0.00966614
0.0926142	1	795	23	0.00640879
0.0723529	1	615	18	0.00884518
0.0593197	1	879	25	0.00855387
0.0841176	1	715	20	0.00483749
0.0722353	1	614	14	0.00853622
0.0692941	1	589	11	0.00540245
0.0597647	1	508	15	0.00966614
0.098	1	833	22	0.00839498
0.0733169	1	624	18	0.00624106
0.0772578	1	657	16	0.00992214
0.0941668	1	812	20	0.00793595
0.0704706	1	599	17	0.00901291
0.0865882	1	736	17	0.00736216
0.0321915	1	608	14	0.00772409
0.0644786	1	609	17	0.00709733
0.0415303	1	609	13	0.0097809
0.0691765	1	588	11	0.00722092
0.0725125	1	626	18	0.00822726
0.0664176	1	569	16	0.0074063
0.0709412	1	603	17	0.00978973
0.0704706	1	599	16	0.00984269
0.0691147	1	591	16	0.00726506
0.0801177	1	681	16	0.00926008
0.0806376	1	688	16	0.00745043
0.0764706	1	650	15	0.00873925
0.0811765	1	690	19	0.00821843
0.0761176	1	647	12	0.0083685
0.0360964	0.412081	745	21	0.00684133
0.0861969	1	745	21	0.00684133
0.0418139	1	639	18	0.00684133
0.0701033	1	597	13	0.00613513
0.0258226	1	638	18	0.00805071
0.0957936	1	1084	30	0.00770643
0.0788682	1	708	20	0.00545541
0.0573688	1	515	11	0.00919828
0.0578015	1	855	20	0.00743278
0.0727911	1	622	18	0.00868629
0.0831765	1	707	20	0.0080154
0.0826804	1	707	20	0.0080154
0.0737647	1	627	18	0.00873042
0.0675336	1	592	13	0.00566727
0.0820104	1	1090	30	0.00868629
0.0601778	1	528	15	0.00794477

0.0825165	1	724	19	0.00503169
0.0743307	1	633	18	0.00896877
0.0373148	1	617	18	0.00940132
0.038101	1	630	18	0.00586148
0.0628173	1	594	17	0.00865098
0.0791325	1	675	17	0.00799774
0.0964974	1	821	22	0.00749457
0.0713446	1	607	17	0.0073445
0.070112	1	601	17	0.00926008
0.0710939	1	607	17	0.00662065
0.107806	1	917	25	0.00842146
0.059679	1	673	19	0.00707085
0.0761097	1	655	18	0.00814781
0.0922353	1	784	22	0.00646175
0.135534	1	1158	32	0.00890698
0.0705718	1	606	17	0.00873925
0.0903699	1	777	20	0.00547307
0.0704815	1	606	16	0.00805071
0.0504816	1	760	17	0.00619692
0.0729047	1	635	18	0.00931304
0.0870728	1	749	21	0.00730919
0.0695294	1	591	17	0.00822726
0.0712941	1	606	17	0.0078565
0.0721176	1	613	10	0.00483749
0.074	1	629	18	0.00544658
0.102941	1	875	24	0.00741512
0.0689412	1	586	17	0.00889815
0.0915294	1	778	18	0.00480217
0.0707059	1	601	17	0.00966614
0.0703665	1	601	17	0.0086245
0.0803529	1	683	20	0.00557017
0.0690588	1	587	17	0.0085627
0.0743529	1	632	14	0.00661182
0.00591327	0.0957447	564	14	0.00789181
0.0634278	1	564	14	0.00789181
0.0922986	1	785	22	0.00771526
0.0554576	0.711916	663	18	0.00585265
0.0709078	1	603	17	0.00568493
0.102588	1	872	24	0.00781236
0.0841045	1	718	20	0.00682368
0.106588	1	906	21	0.00871277
0.121412	1	1032	24	0.00492576
0.0688683	1	586	13	0.00863332
0.0782246	1	675	12	0.00547307
0.0704706	1	599	17	0.00840381
0.0784706	1	667	19	0.00833319
0.106235	1	903	23	0.00594975



0.116	1	986	27	0.00565844
0.0710588	1	604	10	0.00842146
0.0698629	1	596	17	0.00681485
0.055809	1	893	26	0.00798891
0.0430598	1	689	19	0.00910118
0.0785328	1	668	19	0.00808601
0.117343	1	998	24	0.009622
0.070245	1	602	16	0.00880104
0.0707985	1	602	16	0.00880104
0.0809579	1	693	19	0.00813015
0.123493	1	1055	20	0.00719444
0.0698818	1	597	16	0.00936601
0.0739151	1	637	17	0.00848325
0.0705426	1	637	17	0.00848325
0.0762353	1	648	18	0.00899525
0.0891795	1	825	23	0.00822726
0.102208	1	875	24	0.00597624
0.0881973	1	751	21	0.00484631
0.0449739	1	387	11	0.00719444
0.0691765	1	588	17	0.0088187
0.0691765	1	588	13	0.00514645
0.0702614	1	602	11	0.0092689
0.0406133	0.576412	602	11	0.0092689
0.0907069	1	775	21	0.00619692
0.0695294	1	591	17	0.00937483
0.0666744	1	573	12	0.00876573
0.0743529	1	632	17	0.00549072
0.0735294	1	625	15	0.00867746
0.158235	1	1345	37	0.00557017
0.0282755	0.180669	1345	37	0.00557017
0.0881213	1	750	15	0.00765347
0.0757647	1	644	18	0.00783884
0.0462353	1	393	12	0.00950725
0.0750505	1	743	21	0.00549955
0.0504113	1	668	18	0.00926008
0.0694118	1	590	17	0.00974559
0.0649495	1	585	17	0.00849208
0.0508161	1	660	18	0.00762698
0.0249141	1	602	17	0.0095249
0.0351325	1	606	17	0.00972794
0.0698824	1	594	17	0.00971028
0.0847059	1	720	20	0.00763581
0.0482803	1	598	17	0.00930421
0.0406648	1	641	18	0.00794477
0.0716471	1	609	16	0.00867746
0.0716471	1	609	16	0.00867746
0.0493798	1	633	18	0.00869511

0.0969669	1	828	23	0.00587913
0.060984	1	533	15	0.0076976
0.0714118	1	607	17	0.00604686
0.049878	1	654	19	0.00587913
0.067893	1	609	17	0.00983387
0.0766982	1	656	18	0.00731802
0.0719652	1	613	17	0.00943663
0.112235	1	954	20	0.00798008
0.0707059	1	601	17	0.00742395
0.0487864	1	601	11	0.0071503
0.0685056	1	601	11	0.0071503
0.0981176	1	834	24	0.00805953
0.0485053	1	417	12	0.00868629
0.0723529	1	615	17	0.00914532
0.0777087	1	662	19	0.00529652
0.0828241	1	881	25	0.00587913
0.0608254	1	647	18	0.00515528
0.0759553	1	646	18	0.0077594
0.0672651	1	607	15	0.00766229
0.0748857	1	639	18	0.00542893
0.104137	1	886	25	0.00888932
0.0318206	1	610	15	0.00937483
0.0627771	0.895175	601	17	0.00977207
0.0707059	1	601	17	0.00977207
0.0951934	1	812	20	0.00741512
0.0558439	1	850	24	0.00652354
0.0797885	1	679	19	0.00485514
0.0702614	1	602	17	0.00901291
0.0704176	1	602	15	0.00840381
0.126798	1	1084	30	0.0092689
0.0697647	1	599	12	0.00944545
0.0707358	1	671	19	0.00997511
0.103059	1	876	21	0.00851857
0.0851765	1	724	21	0.00732685
0.0687434	1	587	17	0.00615279
0.123176	1	1047	29	0.00865098
0.0305292	0.547112	658	19	0.00813898
0.0474953	1	658	19	0.00813898
0.0722353	1	614	17	0.0067354
0.0710345	1	618	12	0.00604686
0.0889412	1	756	19	0.00876573
0.0796736	1	791	19	0.00675306
0.0692941	1	589	17	0.00977207
0.0676115	1	582	16	0.00730919
0.0842462	1	846	24	0.00665596
0.0692324	1	671	19	0.00860684
0.0766612	1	743	21	0.00495224

0.0554253	1	922	18	0.00845677
0.0251477	1	413	11	0.00537597
0.0368995	1	606	17	0.0074063
0.0912941	1	776	22	0.00775057
0.0613012	1	620	18	0.00953373
0.0837453	1	847	23	0.00835967
0.048465	1	592	17	0.00775057
0.049693	1	607	17	0.00928656
0.0636121	1	547	13	0.00697375
0.0918919	1	782	22	0.0083685
0.0362464	1	579	13	0.00920711
0.0582222	1	860	24	0.00815664
0.0875294	1	744	21	0.00608217
0.0785882	1	668	19	0.00829788
0.0337704	1	631	18	0.00774174
0.046829	1	875	25	0.00752105
0.0759433	1	1419	39	0.00845677
0.0872941	1	742	20	0.00754754
0.0707106	1	605	11	0.00500521
0.0588304	1	502	13	0.00965731
0.0735865	1	626	17	0.00847443
0.1099	1	938	26	0.00599389
0.128471	1	1092	30	0.00806836
0.128274	1	1092	30	0.00806836
0.0786042	1	669	19	0.0064794
0.100778	1	868	25	0.00536714
0.0717647	1	610	16	0.00813015
0.0721718	1	652	17	0.00780354
0.120023	1	1022	21	0.00682368
0.0733341	1	635	18	0.00905704
0.0692941	1	589	13	0.00762698
0.0691396	1	589	13	0.00762698
0.0689412	1	586	17	0.00990449
0.074	1	629	18	0.00517293
0.0632346	1	538	15	0.00859801
0.0969676	1	825	23	0.00873925
0.0689412	1	586	12	0.00879222
0.0689006	1	586	12	0.00879222
0.0695294	1	591	16	0.00895111
0.0694885	1	591	16	0.00895111
0.0811765	1	690	17	0.00617927
0.0584272	1	607	17	0.00765347
0.0639138	1	664	13	0.00972794
0.105506	1	939	24	0.00774174
0.0763317	1	695	18	0.00805071
0.0698824	1	594	17	0.00819195
0.0714118	1	607	17	0.00884518

0.0715294	1	608	17	0.00772409
0.0811765	1	690	19	0.0080154
0.0911765	1	775	21	0.00850974
0.0903529	1	768	20	0.0063823
0.0764706	1	650	18	0.0049699
0.0964706	1	820	21	0.00868629
0.0327625	1	595	17	0.00986035
0.119831	1	1020	29	0.00913649
0.0138434	0.284034	595	17	0.00826257
0.0760976	1	929	26	0.00882753
0.0751641	1	687	13	0.00468742
0.0655085	1	592	13	0.00723857
0.0820048	1	715	19	0.00804188
0.0811331	1	759	21	0.0072474
0.0880817	1	759	21	0.0072474
0.0705882	1	600	12	0.0080154
0.101529	1	863	24	0.00876573
0.0370802	1	604	10	0.00991331
0.0557647	1	474	13	0.0071503
0.0529191	1	862	24	0.0085627
0.0875294	1	744	16	0.00576437
0.0330033	1	710	18	0.00571141
0.0852941	1	725	20	0.00553486
0.0992941	1	844	24	0.0074063
0.0977984	1	844	24	0.0074063
0.0763905	1	651	18	0.00408714
0.0737869	1	628	18	0.00509348
0.0670097	1	586	12	0.00978973
0.108736	1	926	25	0.00414011
0.0811114	1	724	20	0.00804188
0.109882	1	934	26	0.00984269
0.0750469	1	640	11	0.00639996
0.0880451	1	749	21	0.00688547
0.0777609	1	664	17	0.00886284
0.0690355	1	612	16	0.00798008
0.0701373	1	613	17	0.00960435
0.0696796	1	609	16	0.00906587
0.0812207	1	692	18	0.00813015
0.0725825	1	629	18	0.00833319
0.0723529	1	615	17	0.00943663
0.0698824	1	594	17	0.00990449
0.0697429	1	594	17	0.00990449
0.0777647	1	661	19	0.00466976
0.0776095	1	661	19	0.00466976
0.0776471	1	660	17	0.00860684
0.0803529	1	683	14	0.00850974
0.0592941	1	504	14	0.00727388

0.0834118	1	709	15	0.00838615
0.0792941	1	674	19	0.00833319
0.0828078	1	709	19	0.00775057
0.0510682	1	796	20	0.0068943
0.091742	1	781	22	0.00873925
0.0674506	1	608	17	0.00911884
0.0590703	1	1084	30	0.00838615
0.0321508	1	590	15	0.00797126
0.0692895	1	590	15	0.00797126
0.0408697	1	750	16	0.00489045
0.0786847	0.893333	750	16	0.00489045
0.111647	1	949	24	0.00794477
0.082	1	697	19	0.00611748
0.0362557	1	562	16	0.00788298
0.0697647	1	593	17	0.00980738
0.0729412	1	620	15	0.00759167
0.0694477	1	591	17	0.00759167
0.118768	1	1041	30	0.00469624
0.0719054	1	614	14	0.00665596
0.0582353	1	495	14	0.0074063
0.100824	1	857	24	0.00759167
0.0452875	1	604	15	0.00849208
0.0707059	1	601	17	0.0078565
0.104776	1	895	20	0.00634699
0.0394459	1	561	16	0.00974559
0.0545369	1	464	13	0.00690313
0.0911765	1	775	22	0.00526121
0.0406158	1	620	18	0.00911884
0.0707059	1	601	17	0.00894229
0.0680303	1	602	17	0.00722092
0.0700352	1	596	17	0.00926008
0.069394	1	592	14	0.00747692
0.0666965	1	596	17	0.00984269
0.0867059	1	737	21	0.00572024
0.0741021	1	782	22	0.00838615
0.0710588	1	604	16	0.00911001
0.154353	1	1312	35	0.00834201
0.0374389	1	666	19	0.00629403
0.122626	1	1046	28	0.00923359
0.0403529	1	686	18	0.0063823
0.0676382	1	608	17	0.00762698
0.0658583	1	592	17	0.00949842
0.107899	1	922	20	0.0075034
0.12702	1	1116	32	0.00772409
0.0597641	1	598	17	0.00447556
0.0598641	1	599	17	0.00990449
0.0672596	1	673	18	0.00843912

0.0485075	1	611	17	0.00890698
0.0705787	1	611	17	0.00890698
0.0340435	1	735	20	0.00411363
0.0798824	1	679	14	0.00614396
0.0734118	1	624	17	0.00712381
0.0727059	1	618	17	0.00965731
0.0831765	1	707	17	0.00918946
0.1028	1	881	18	0.00495224
0.0447948	1	608	17	0.00802422
0.0551094	1	748	21	0.00808601
0.0997647	1	848	23	0.00727388
0.067858	1	600	11	0.00977207
0.0672786	1	579	17	0.00727388
0.0648895	1	555	14	0.00781236
0.0528009	1	591	17	0.00964849
0.0539623	1	604	17	0.00818312
0.0735577	1	649	18	0.00943663
0.0752063	1	647	19	0.00430783
0.0648611	1	558	15	0.00972794
0.0832268	1	716	20	0.00913649
0.0927382	1	802	21	0.00880104
0.0670718	1	596	12	0.0080154
0.0768625	1	683	19	0.00718561
0.072	1	612	17	0.00640879
0.0794118	1	675	19	0.00472273
0.0831765	1	707	20	0.00565844
0.0876471	1	745	21	0.00818312
0.0588008	1	609	17	0.00880987
0.0716471	1	609	17	0.00880987
0.0672975	1	697	20	0.00786533
0.080268	1	683	13	0.00622341
0.0685882	0.934295	624	18	0.00816546
0.0990588	1	842	23	0.00842146
0.00411765	0.0564516	620	18	0.0086245
0.0710588	1	604	17	0.00840381
0.0632763	1	540	15	0.00512879
0.0682353	1	580	15	0.00792712
0.103529	1	880	25	0.00880104
0.0688235	1	585	15	0.00996628
0.0765882	1	651	19	0.00762698
0.0858622	1	730	21	0.00871277
0.0923529	1	785	20	0.00653237
0.0838824	1	713	21	0.00860684
0.129289	1	1217	33	0.00873925
0.0822353	1	699	17	0.00564962
0.126	1	1071	30	0.00845677
0.0817647	1	695	19	0.00430783

0.0679361	1	578	10	0.00949842
0.0897158	1	827	24	0.00499638
0.0410798	1	595	10	0.00731802
0.0809255	1	731	21	0.00558783
0.0592941	0.5356	941	27	0.00546424
0.110537	1	941	27	0.00546424
0.181647	1	1544	43	0.00822726
0.0616789	1	615	16	0.00928656
0.0722157	1	616	18	0.00988683
0.110434	1	942	27	0.00664713
0.0375656	1	616	18	0.00880104
0.0371387	1	609	17	0.0095867
0.0706528	1	605	12	0.00503169
0.0855294	1	727	19	0.00821843
0.086369	1	735	19	0.00726506
0.0924794	1	787	22	0.00515528
0.0655549	1	570	16	0.00911001
0.0687032	1	605	17	0.00772409
0.0525882	1	447	13	0.00615279
0.0736916	1	628	15	0.00539362
0.0569468	1	614	17	0.0060292
0.0852941	1	725	20	0.00758285
0.0441157	1	650	11	0.00746809
0.0743569	1	633	18	0.00839498
0.0743354	1	632	17	0.00678837
0.0990588	1	842	20	0.00736216
0.0690747	1	589	17	0.00938366
0.0399075	1	604	17	0.00730036
0.0704706	1	599	11	0.00959552
0.0762095	1	649	17	0.00737099
0.115647	1	983	26	0.00555251
0.0524877	1	864	24	0.00729154
0.058293	1	614	16	0.00805071
0.0794015	1	865	24	0.00820077
0.111059	1	944	25	0.0052259
0.0754118	1	641	18	0.0061881
0.0592941	1	504	10	0.00730919
0.0896816	1	797	22	0.00505817
0.067777	1	586	15	0.00865981
0.0867079	1	743	20	0.00865098
0.0895294	1	761	20	0.00665596
0.102706	1	873	20	0.00680602
0.118994	1	1013	27	0.00735333
0.0702353	1	597	17	0.00687664
0.0785396	1	669	19	0.00573789
0.0631604	1	538	14	0.00921594
0.0396788	1	667	19	0.00539362

0.0701527	1	703	20	0.0040077
0.130972	1	1176	34	0.0068943
0.117104	0.69508	1443	41	0.00562313
0.0765393	0.531532	1443	41	0.00562313
0.0984238	1	843	24	0.00866863
0.0800749	1	684	18	0.0081125
0.0770858	1	656	18	0.00901291
0.0335957	1	606	17	0.00919828
0.0337066	1	608	17	0.00629403
0.0493957	1	891	25	0.0068943
0.0433569	1	668	19	0.00398121
0.0399169	1	615	18	0.00780354
0.0708235	1	602	17	0.00694727
0.0436471	0.526241	705	19	0.00780354
0.0751765	1	639	13	0.00726506
0.10067	1	857	24	0.00412246
0.0990179	1	857	24	0.00412246
0.0765134	1	704	20	0.00749457
0.067384	1	620	17	0.00988683
0.0677647	1	576	13	0.00784767
0.0717557	1	611	16	0.00659416
0.071562	1	613	17	0.00746809
0.0381494	1	597	17	0.00681485
0.0353904	1	597	17	0.00681485
0.0374465	1	586	16	0.00761816
0.0347383	1	586	16	0.00761816
0.072912	1	1141	32	0.00637347
0.0676389	1	1141	32	0.00637347
0.0556198	1	529	15	0.00780354
0.0722631	1	903	26	0.0077594
0.0495359	1	619	13	0.00765347
0.0876483	1	953	27	0.00749457
0.0767038	1	834	24	0.00555251
0.0908235	1	772	22	0.00589679
0.0882353	1	750	20	0.00833319
0.0334617	1	669	18	0.00826257
0.0413943	0.77268	959	27	0.00859801
0.0479668	1	959	27	0.00859801
0.0344673	1	617	13	0.00817429
0.0308608	1	617	13	0.00817429
0.0699276	1	599	17	0.00949842
0.0754118	1	641	18	0.00676189
0.0689331	1	586	16	0.0076005
0.084061	1	722	20	0.00758285
0.122941	1	1045	29	0.00784767
0.0670215	1	1045	29	0.00784767
0.0787059	1	669	19	0.00626754



0.0360574	1	593	17	0.00630285
0.0389761	1	606	17	0.00937483
0.0368479	1	606	17	0.00937483
0.0818824	1	696	17	0.00837732
0.0474016	1	737	21	0.00533183
0.0725882	1	617	18	0.00896877
0.0698824	1	594	17	0.00943663
0.143779	1	1270	35	0.00640879
0.0628184	1	1270	35	0.00640879
0.0711132	1	612	18	0.00964849
0.0747059	1	635	18	0.00791829
0.11708	1	996	21	0.00928656
0.0718626	1	615	16	0.00906587
0.0769773	1	655	17	0.00793595
0.100247	1	853	19	0.00641761
0.0739565	1	629	18	0.0064441
0.0668236	1	653	17	0.00645292
0.103647	1	881	25	0.00693844
0.0689372	1	587	16	0.00926008
0.0729412	1	620	18	0.00890698
0.0721176	1	613	13	0.00766229
0.0763224	1	948	27	0.00484631
0.0652121	1	810	21	0.00731802
0.0704623	1	599	10	0.00766229
0.0870019	1	751	21	0.00601155
0.0498245	1	795	22	0.00765347
0.0499424	1	607	15	0.00869511
0.0775054	1	942	26	0.00694727
0.0861176	1	732	17	0.00480217
0.0723414	1	617	12	0.00849208
0.0785555	1	670	19	0.00730919
0.0664416	1	610	17	0.00894229
0.0703977	1	600	17	0.00611748
0.0715294	1	608	16	0.00662947
0.117176	1	996	28	0.00641761
0.0383899	1	598	15	0.00849208
0.107609	1	956	26	0.00634699
0.04251	1	880	25	0.00470507
0.0535294	1	455	13	0.00777705
0.0605032	1	606	17	0.0063823
0.0504274	1	584	15	0.00595858
0.0531042	1	615	17	0.00737099
0.113059	1	961	24	0.00735333
0.0870433	1	741	16	0.00898642
0.079408	1	676	12	0.00849208
0.0970588	1	825	21	0.00869511
0.0689938	1	589	17	0.00873925

0.0246515	1	458	13	0.00775057
0.0356316	1	662	18	0.00873925
0.11059	1	944	22	0.00587913
0.0691765	1	588	15	0.00640879
0.0334893	1	587	15	0.00747692
0.0689696	1	587	15	0.00747692
0.053115	1	931	25	0.0085627
0.109388	1	931	25	0.0085627
0.0873908	1	770	22	0.00815664
0.0695156	1	597	13	0.00641761
0.0938124	1	799	22	0.00670009
0.0868646	0.977472	799	22	0.00670009
0.0750264	1	639	18	0.00869511
0.0708745	0.621009	971	23	0.00501404
0.0704082	1	971	23	0.00501404
0.0738129	1	628	14	0.00777705
0.0713446	1	607	14	0.00814781
0.0695294	1	591	17	0.00807719
0.0695294	1	591	17	0.00807719
0.0924706	1	786	22	0.0056761
0.0698654	1	597	17	0.00752105
0.0627035	1	597	17	0.00752105
0.000321916	0.00809062	618	13	0.0093307
0.045488	1	618	13	0.0093307
0.0774501	1	667	18	0.00736216
0.0709768	1	606	14	0.00964849
0.0794182	1	688	20	0.00575555
0.0717043	1	613	11	0.00816546
0.0776471	1	660	14	0.00900408
0.0630179	0.985401	548	15	0.00868629
0.0729412	1	620	17	0.00798008
0.0855972	1	731	21	0.00745043
0.0856841	1	729	20	0.00805071
0.0295693	0.433007	612	17	0.00868629
0.0214812	1	612	17	0.00868629
0.0658335	1	590	14	0.00777705
0.020709	1	590	14	0.00777705
0.0687347	1	616	18	0.00632051
0.0114075	0.527597	616	18	0.00632051
0.0964882	1	838	24	0.00782119
0.0655237	1	558	15	0.00657651
0.0677548	1	577	16	0.00468742
0.0486844	1	853	23	0.00720326
0.0992784	1	853	23	0.00720326
0.0253206	1	620	11	0.00744161
0.0245446	1	601	17	0.00683251
0.0857647	1	729	20	0.0071503

0.0745779	1	636	18	0.00737981
0.0434144	1	473	10	0.00963083
0.044384	1	473	10	0.00963083
0.088	1	748	21	0.00525238
0.0363409	1	551	11	0.00873925
0.0460452	1	737	21	0.00733567
0.072	1	612	16	0.0083685
0.0814118	1	692	14	0.0083067
0.0805882	1	685	14	0.005067
0.0745882	1	634	18	0.00503169
0.0656257	1	559	16	0.0065412
0.118941	1	1011	27	0.00825374
0.0728235	1	619	10	0.00509348
0.113882	1	968	25	0.00653237
0.0716471	1	609	17	0.00844794
0.07189	1	612	14	0.00986918
0.0730588	1	621	17	0.00686782
0.0391183	1	646	16	0.00731802
0.0709851	1	606	14	0.00988683
0.0710588	1	604	17	0.00745926
0.0486036	1	630	18	0.00798008
0.0821341	1	702	13	0.00648823
0.122031	1	1043	27	0.0077594
0.107786	1	922	26	0.00508466
0.0365311	1	599	17	0.00730919
0.0710588	1	604	13	0.00885401
0.0694058	1	598	17	0.00965731
0.120353	1	1023	24	0.00488162
0.0721176	1	613	17	0.00901291
0.0823267	1	702	20	0.00537597
0.0710287	1	609	17	0.00973676
0.110118	1	936	22	0.00743278
0.0714118	1	607	17	0.00935718
0.0522006	1	612	18	0.00988683
0.0694705	1	593	17	0.00976324
0.046875	1	609	17	0.00955139
0.078	1	663	18	0.00512879
0.0696366	1	594	11	0.00901291
0.0832256	1	708	20	0.0041048
0.0662353	1	563	16	0.00971911
0.112542	1	961	27	0.00417542
0.0712914	1	668	19	0.00474038
0.0914192	1	782	22	0.00829788
0.131284	1	1123	28	0.00564079
0.0971435	1	857	24	0.00736216
0.0698254	1	616	17	0.0062852
0.0633458	1	646	17	0.00697375

0.0698824	1	594	12	0.00945428
0.0559494	1	584	16	0.00509348
0.100824	1	857	24	0.00738864
0.0695012	1	595	16	0.00719444
0.0968235	1	823	23	0.00511114
0.0992941	1	844	22	0.00474921
0.0882595	1	751	21	0.00611748
0.0742783	1	633	18	0.00875691
0.0715794	1	610	17	0.00817429
0.0713699	1	608	13	0.00966614
0.0408363	1	668	19	0.00678837
0.076	1	646	16	0.00794477
0.0444081	0.484076	785	20	0.00484631
0.0919527	1	785	20	0.00484631
0.0824718	1	702	20	0.00486397
0.082	1	697	14	0.00745043
0.0895294	1	761	19	0.00520824
0.0729412	1	620	13	0.0093307
0.0869412	1	739	21	0.00508466
0.0921176	1	783	22	0.00763581
0.0904706	1	769	21	0.00802422
0.094202	1	801	23	0.00765347
0.100824	1	857	22	0.00665596
0.039627	1	340	10	0.00946311
0.0724942	1	622	17	0.00725623
0.0709412	1	603	17	0.00966614
0.078	1	663	18	0.00745926
0.0460317	1	725	20	0.0077594
0.0202159	1	646	13	0.00592327
0.0712776	1	607	17	0.00499638
0.0763529	1	649	17	0.00730919
0.0671098	1	737	21	0.00894229
0.0764706	1	650	18	0.00473156
0.0457442	1	646	18	0.00617044
0.0711765	1	605	17	0.00936601
0.0822353	1	699	20	0.00569376
0.0832941	1	708	17	0.00530534
0.0782353	1	665	17	0.00505817
0.0712438	1	606	17	0.00851857
0.0784542	1	674	19	0.00489045
0.0699569	1	601	14	0.00741512
0.122741	1	1148	32	0.00763581
0.0242099	1	632	18	0.00763581
0.0704176	1	602	17	0.00745043
0.0745882	1	634	18	0.00971028
0.0868682	1	983	16	0.0072474
0.114649	1	983	16	0.0072474

0.0689615	1	589	17	0.00556134
0.0892941	1	759	15	0.00481983
0.0843529	1	717	19	0.00873925
0.0372862	1	593	17	0.00918946
0.119529	1	1016	28	0.00617044
0.0318824	0.380618	712	19	0.00659416
0.0609301	1	866	24	0.00594975
0.041652	1	592	17	0.00715913
0.0415113	1	590	15	0.00827139
0.0906848	1	772	22	0.00706202
0.028148	1	642	18	0.00500521
0.0769412	1	654	18	0.00721209
0.0557573	1	476	14	0.00928656
0.0696471	1	592	12	0.00847443
0.0708235	1	602	13	0.00735333
0.0732506	1	626	16	0.00855387
0.0264305	1	679	19	0.00681485
0.0447256	1	1149	29	0.00707085
0.0263137	1	676	19	0.00629403
0.0729412	1	620	18	0.00686782
0.0816709	1	741	20	0.00528769
0.0560239	1	638	16	0.00863332
0.107596	1	915	23	0.00764464
0.0433439	1	603	17	0.00998393
0.0543771	1	464	13	0.00790946
0.075	1	654	18	0.00617044
0.0503319	1	599	17	0.00749457
0.0637301	1	544	16	0.00712381
0.0171765	0.268382	544	16	0.00712381
0.0704706	1	599	17	0.0085627
0.0755597	1	648	17	0.00835967
0.073695	1	648	17	0.00835967
0.0765612	1	651	18	0.00531417
0.0693882	1	651	18	0.00531417
0.0691765	1	588	13	0.00898642
0.0164706	0.238095	588	13	0.00898642
0.0673188	1	585	15	0.00712381
0.0688235	1	585	15	0.00712381
0.0811856	1	693	18	0.00726506
0.0927377	1	793	19	0.00752105
0.0861176	1	732	19	0.00587913
0.0788235	1	670	19	0.00634699
0.0942657	1	1034	29	0.00737099
0.0783529	1	666	17	0.00662065
0.0932941	1	793	20	0.00858036
0.100588	1	855	19	0.00752988
0.0679623	1	584	16	0.00913649

0.0729987	1	621	18	0.005323
0.069002	1	587	17	0.00999276
0.0710254	1	604	17	0.00549955
0.0453287	1	753	21	0.00903056
0.0918164	1	782	22	0.00843912
0.066918	1	710	20	0.00865098
0.0717647	1	610	16	0.00986918
0.0698824	1	594	17	0.00483749
0.0727059	1	618	14	0.00874808
0.0502706	1	836	23	0.00581734
0.0161424	1	1010	25	0.00876573
0.0676866	1	584	14	0.00472273
0.0689412	1	586	16	0.00946311
0.110446	1	941	27	0.00764464
0.0728235	1	619	18	0.00725623
0.0711765	1	605	16	0.00876573
0.0786939	1	670	19	0.00792712
0.076	1	646	16	0.00467859
0.0658469	1	573	16	0.00849208
0.111124	1	946	22	0.00848325
0.0792941	1	674	19	0.00687664
0.0602866	1	589	15	0.00825374
0.0619243	1	605	16	0.00919828
0.0725691	1	709	20	0.0086245
0.0695791	1	610	16	0.00867746
0.0625159	1	736	21	0.00661182
0.078599	1	671	18	0.00849208
0.0830861	1	728	17	0.00594093
0.179765	1	1528	42	0.00794477
0.0829412	1	705	15	0.00706202
0.090411	1	858	24	0.00645292
0.0702001	1	600	17	0.00873925
0.108813	1	931	26	0.00840381
0.0957647	1	814	23	0.00745043
0.0745882	1	634	18	0.00595858
0.0709412	1	603	15	0.00941014
0.110706	1	941	25	0.00861567
0.072016	1	613	15	0.00949842
0.0742353	1	631	15	0.00794477
0.117861	1	1005	27	0.00558783
0.0528041	1	596	16	0.00899525
0.0549618	1	468	13	0.00700906
0.0404706	1	344	10	0.00998393
0.0694118	1	590	16	0.00928656
0.0654032	1	635	13	0.00798891
0.0798824	1	679	15	0.00827139
0.0641509	1	629	18	0.00997511

0.0630291	1	618	16	0.00805071
0.201647	1	1714	48	0.0074063
0.0558824	1	475	12	0.00852739
0.0891496	1	760	20	0.00833319
0.0608388	1	602	11	0.00937483
0.0903226	1	770	21	0.00774174
0.0708235	1	602	17	0.00763581
0.0405424	1	595	16	0.00826257
0.0909412	1	773	21	0.00758285
0.0722353	1	614	17	0.0086245
0.0791013	1	676	18	0.00666478
0.0758824	1	645	16	0.00804188
0.0721176	1	613	17	0.00995745
0.0452151	1	618	11	0.00466094
0.0492264	1	420	12	0.00661182
0.0716708	1	613	17	0.00798891
0.0703529	1	598	17	0.00932187
0.0814118	1	692	19	0.00505817
0.0574118	1	488	14	0.00867746
0.0825688	1	702	15	0.00520824
0.118118	1	1004	28	0.00838615
0.076	1	646	18	0.00692961
0.0892941	1	759	21	0.00804188
0.0683208	1	581	14	0.00636465
0.0685569	1	943	26	0.00601155
0.0651765	1	554	16	0.00972794
0.0895627	1	768	21	0.00622341
0.0500106	1	706	15	0.00587913
0.0715294	1	608	17	0.00903056
0.0118824	0.162903	620	18	0.0095249
0.0723529	1	615	17	0.00988683
0.0590588	0.714082	703	19	0.00794477
0.0827059	1	703	19	0.00794477
0.0656471	1	558	15	0.00568493
0.0643211	1	585	15	0.00998393
0.0885882	1	753	21	0.00553486
0.0785882	1	668	18	0.00833319
0.0605882	1	515	14	0.00876573
0.047609	1	676	19	0.00411363
0.0615222	0.773669	676	19	0.00411363
0.119112	1	1014	26	0.00798008
0.0293344	1	357	10	0.00822726
0.0857647	1	729	21	0.00480217
0.0764953	1	729	21	0.00480217
0.082454	1	797	20	0.00783002
0.0822667	1	797	20	0.00783002
0.0660046	1	638	18	0.00860684

0.0658547	1	638	18	0.00860684
0.0682353	1	580	17	0.00792712
0.0967064	1	828	19	0.00882753
0.0694118	1	590	17	0.00765347
0.0712046	1	613	18	0.00979856
0.082	1	697	19	0.00464328
0.0597578	1	602	17	0.0089776
0.0881662	1	751	18	0.00721209
0.096	1	816	23	0.00757402
0.0486117	1	625	18	0.00798891
0.0746689	1	637	18	0.00527003
0.0354274	1	591	17	0.00890698
0.0407026	1	679	19	0.00780354
0.0808556	1	688	20	0.00478452
0.0736225	1	628	16	0.00931304
0.0998029	1	861	22	0.0063823
0.0708037	1	607	16	0.00909235
0.109765	1	933	26	0.00887167
0.112203	1	959	26	0.0056761
0.0795626	1	684	19	0.00842146
0.0714118	1	607	17	0.00969263
0.0647819	1	1093	31	0.00729154
0.03977	1	671	19	0.00513762
0.0639813	1	548	15	0.00869511
0.0568797	1	778	21	0.00661182
0.0837369	1	778	21	0.00661182
0.0732215	1	633	18	0.00783002
0.0692891	1	694	20	0.00737981
0.0877974	1	749	20	0.00678837
0.0824706	1	701	20	0.0073445
0.0723529	1	615	15	0.00965731
0.0463111	1	784	22	0.00470507
0.0716471	1	609	16	0.00892463
0.0375706	1	605	17	0.00982504
0.0375706	1	605	14	0.00990449
0.0770858	1	656	19	0.00926008
0.0412117	1	351	10	0.00860684
0.0454273	1	607	17	0.00826257
0.0689381	1	607	14	0.00787415
0.0496874	1	612	14	0.00762698
0.0809412	1	688	13	0.0076005
0.0402353	1	342	10	0.00944545
0.0693954	1	590	17	0.00735333
0.0490403	1	419	12	0.00946311
0.0730588	0.998392	622	18	0.00808601
0.0358919	1	599	17	0.00680602
0.0711179	1	605	17	0.00918946



0.101563	1	864	24	0.00738864
0.0714118	1	607	17	0.00700906
0.0977647	1	831	20	0.00798891
0.036246	1	728	16	0.0082096
0.0400797	1	805	22	0.00565844
0.0307194	1	617	18	0.00988683
0.0261326	1	383	11	0.00906587
0.0667564	1	645	18	0.0060292
0.0921745	1	788	22	0.00547307
0.0758824	1	645	13	0.00767112
0.0698232	1	612	17	0.00814781
0.0919892	1	782	22	0.00834201
0.0711744	1	620	17	0.00863332
0.0704094	1	602	17	0.00858918
0.0703529	1	598	17	0.00863332
0.085085	1	846	22	0.00820077
0.0511325	1	605	16	0.00867746
0.0718824	1	611	11	0.00682368
0.0704661	1	638	18	0.00758285
0.0576557	1	636	18	0.00749457
0.088	1	748	21	0.00676189
0.0545555	1	591	16	0.00840381
0.0697647	1	593	15	0.00715913
0.0595799	1	607	17	0.00980738
0.0742151	1	643	18	0.00619692
0.0783272	1	678	19	0.0067354
0.0582353	1	495	14	0.00996628
0.0634995	1	540	15	0.00815664
0.0671765	1	571	13	0.00918946
0.071262	1	611	17	0.00989566
0.0767786	1	654	18	0.00744161
0.0725882	1	617	17	0.00860684
0.0724774	1	617	17	0.00860684
0.069293	1	591	17	0.00903056
0.0795304	1	718	19	0.00636465
0.108297	1	1039	29	0.00821843
0.21	1	1785	50	0.00908353
0.0274779	1	588	10	0.00929539
0.0811281	1	699	20	0.00668244
0.0802353	1	682	13	0.00759167
0.0508915	1	862	24	0.00752988
0.132588	1	1127	31	0.00712381
0.0788923	1	678	19	0.0074063
0.122588	1	1042	25	0.00468742
0.0752941	1	640	15	0.00984269
0.0435501	1	501	14	0.00838615
0.0589412	1	501	14	0.00838615

0.108982	1	927	25	0.00723857
0.0694118	1	590	12	0.0076005
0.111059	1	944	26	0.00744161
0.101647	1	864	24	0.00880987
0.0986977	1	864	24	0.00880987
0.0399003	1	704	20	0.00648823
0.0716471	1	609	17	0.00837732
0.0790523	1	674	19	0.00863332
0.0402185	1	346	10	0.00955139
0.0986474	1	846	23	0.00763581
0.0614354	1	523	14	0.00557017
0.0704706	1	599	17	0.00827139
0.0895294	1	761	21	0.00855387
0.0688235	1	585	17	0.00835967
0.0378626	1	834	19	0.00505817
0.0872941	1	742	21	0.00775057
0.0704706	1	599	12	0.00847443
0.105895	1	909	25	0.00515528
0.0779859	1	666	19	0.00877456
0.0725995	1	620	10	0.00948077
0.0804759	1	690	18	0.00843912
0.0851913	1	726	20	0.00799774
0.0838824	1	713	19	0.00971911
0.07	1	595	10	0.00521707
0.115178	1	985	26	0.00898642
0.125765	1	1069	30	0.00738864
0.173391	1	1474	37	0.00855387
0.0698824	1	594	17	0.00632051
0.0522827	1	631	18	0.00808601
0.0311542	1	376	10	0.00684133
0.0776266	1	662	19	0.00835967
0.0702898	1	604	17	0.00850974
0.0970089	1	840	24	0.0071503
0.0838824	1	713	20	0.0061881
0.0978733	1	833	24	0.005067
0.0623529	1	530	13	0.0078565
0.0743529	1	632	18	0.00545541
0.0810937	1	694	20	0.00861567
0.0714118	1	607	12	0.00918946
0.0656643	1	559	14	0.00551721
0.0746753	1	644	11	0.00762698
0.0468781	1	702	20	0.00698257
0.0821341	1	702	20	0.00698257
0.0676941	1	593	17	0.0069914
0.0558824	1	475	13	0.00822726
0.0445562	1	381	11	0.00745043
0.0878929	1	755	21	0.00840381

0.0672479	1	671	19	0.00873925
0.0705882	1	600	11	0.00549072
0.0917647	1	780	19	0.00868629
0.0715275	1	620	18	0.00984269
0.0688567	1	589	17	0.00926008
0.0649139	1	637	18	0.00633817
0.0749472	1	639	17	0.00774174
0.0749912	1	639	17	0.00774174
0.0932442	1	795	19	0.00831553
0.0932989	1	795	19	0.00831553
0.0812477	1	870	25	0.00462562
0.0445909	1	582	17	0.00838615
0.0684706	1	582	17	0.00838615
0.0587411	1	629	18	0.00639996
0.100941	1	858	23	0.00594975
0.0748235	1	636	17	0.00611748
0.0747059	1	635	16	0.00827139
0.0819229	1	697	20	0.00726506
0.0415846	0.515065	697	20	0.00726506
0.0810588	1	689	19	0.00980738
0.0958824	1	815	23	0.00719444
0.0355843	1	606	17	0.00944545
0.0664553	1	566	12	0.00873042
0.0546969	1	683	12	0.00851857
0.0637463	1	796	22	0.00800657
0.0819844	1	704	19	0.00684133
0.0684756	1	588	12	0.00623224
0.0732864	1	1082	30	0.00765347
0.0825667	1	709	20	0.00828022
0.0731509	1	1080	31	0.00896877
0.0403685	1	596	16	0.00865981
0.0998823	1	849	24	0.00855387
0.0316302	1	832	23	0.00926008
0.0903317	1	768	21	0.00752105
0.0765882	1	651	17	0.00875691
0.106062	1	1027	29	0.00546424
0.0842218	1	1027	29	0.00546424
0.0371669	1	615	13	0.00800657
0.0689078	1	617	14	0.00899525
0.0725882	1	617	14	0.00899525
0.0766138	1	686	19	0.00676189
0.0341619	1	826	21	0.00585265
0.0281649	1	681	18	0.00998393
0.076	1	646	17	0.00745926
0.0726717	1	618	12	0.00659416
0.0443529	1	377	10	0.00975442
0.0788235	1	670	17	0.00647058

0.072991	0.728121	857	24	0.00519941
0.0743343	1	857	24	0.00519941
0.0657647	1	559	10	0.00838615
0.0815421	1	698	20	0.00671775
0.0694836	1	592	17	0.00989566
0.0682179	1	859	24	0.00517293
0.0635822	1	907	26	0.00495224
0.0411497	1	587	17	0.00804188
0.0437648	1	737	19	0.00752105
0.114	1	969	23	0.00659416
0.0731822	1	623	18	0.00780354
0.0721759	1	614	17	0.00837732
0.0754608	1	655	19	0.00534065
0.0449547	1	601	17	0.00762698
0.0536315	1	717	21	0.00910118
0.0399813	1	342	10	0.00970145
0.101964	1	893	24	0.00775057
0.0637562	1	682	19	0.00562313
0.0728235	1	619	17	0.00822726
0.0198694	1	630	16	0.00826257
0.0689504	1	630	16	0.00826257
0.0221087	1	701	20	0.00877456
0.0189233	1	600	17	0.00685899
0.067008	1	589	17	0.00989566
0.029853	1	603	14	0.00936601
0.0829412	1	705	16	0.00584382
0.0593819	1	538	13	0.00843029
0.026584	1	819	20	0.00683251
0.0809262	1	692	12	0.00640879
0.0661176	1	562	16	0.00896877
0.0664481	1	608	17	0.0092689
0.0808235	1	687	18	0.0070532
0.0870076	1	740	21	0.00821843
0.0831081	1	738	21	0.00646175
0.0603	1	603	10	0.00923359
0.0761278	1	648	16	0.0064441
0.0730133	1	622	17	0.0071503
0.0721176	1	613	17	0.00681485
0.0730002	1	637	17	0.00726506
0.0704706	1	599	17	0.00745043
0.0949188	1	807	23	0.00543776
0.0829412	1	705	19	0.00674423
0.0781176	1	664	19	0.00821843
0.0711179	1	605	17	0.00903056
0.123019	1	1048	29	0.00611748
0.100764	1	857	23	0.00736216
0.0406045	0.48853	1177	31	0.00784767

0.0887059	1	754	17	0.00868629
0.0724706	1	616	14	0.00711499
0.0712941	1	606	17	0.00767995
0.0420079	1	677	19	0.00697375
0.0725882	1	617	15	0.00867746
0.0764436	1	650	18	0.00815664
0.086019	1	734	20	0.00517293
0.074	1	629	17	0.00435197
0.0305677	1	595	17	0.0085627
0.07	1	595	17	0.0085627
0.0360647	1	702	20	0.00918946
0.059797	1	654	11	0.00712381
0.0726704	1	627	17	0.00873925
0.136118	1	1157	26	0.00793595
0.0741176	1	630	18	0.00845677
0.0603524	1	620	18	0.00466094
0.0720093	1	620	18	0.00466094
0.0268459	1	609	10	0.00766229
0.109646	1	956	26	0.00514645
0.072453	1	682	19	0.0061881
0.0968235	0.998786	824	23	0.00658534
0.0969412	1	824	23	0.00658534
0.0736842	1	630	17	0.00752988
0.0721176	1	613	18	0.00648823
0.0407947	1	347	10	0.00884518
0.0696856	1	594	14	0.00491693
0.0384468	1	600	17	0.00847443
0.069979	1	600	17	0.00847443
0.118261	1	1009	23	0.00928656
0.0697647	1	593	17	0.00873925
0.108353	1	921	26	0.00813015
0.0515294	1	438	12	0.00789181
0.0703529	1	598	16	0.0057732
0.0971765	1	826	18	0.0063823
0.0715294	1	608	18	0.00921594
0.119529	1	1016	28	0.00826257
0.07	1	595	16	0.00850974
0.0845882	1	719	16	0.00841263
0.0722764	1	615	17	0.00934835
0.0707059	1	601	10	0.00678837
0.119127	1	1042	27	0.00806836
0.0358682	1	591	12	0.00700906
0.0681176	0.983022	589	17	0.00799774
0.0696471	1	592	16	0.00596741
0.0738747	1	645	13	0.00873042
0.0701775	1	597	14	0.00900408
0.0686365	1	597	14	0.00900408

0.0547059	1	465	11	0.00848325
0.0703529	1	598	12	0.00935718
0.0694136	1	593	13	0.00888049
0.0891765	1	758	20	0.00842146
0.0690687	1	600	17	0.00722092
0.12018	1	1044	29	0.00561431
0.0697647	1	593	14	0.0079536
0.0925038	1	791	22	0.00861567
0.0688808	1	589	17	0.00847443
0.0815421	1	698	19	0.00550838
0.0665036	1	571	10	0.00883636
0.0755582	1	643	18	0.00636465
0.0842338	1	725	20	0.00749457
0.058	1	493	14	0.00814781
0.0832941	1	708	20	0.00886284
0.0697019	1	594	17	0.00868629
0.0664207	1	630	14	0.00867746
0.0490588	1	417	12	0.00662947
0.0753465	1	647	12	0.00466094
0.0721176	1	613	17	0.00774174
0.0873022	1	1054	30	0.00805071
0.0554129	1	669	19	0.00790946
0.114706	1	975	24	0.00572024
0.0972548	1	829	23	0.00838615
0.0741176	1	630	18	0.0077594
0.0695294	1	591	14	0.00898642
0.0727059	1	618	17	0.00501404
0.111225	1	974	27	0.00575555
0.0453017	1	714	20	0.00669127
0.0809412	1	688	13	0.00767112
0.0673298	1	616	17	0.00827139
0.0991415	1	843	24	0.00886284
0.0528976	1	450	13	0.00719444
0.103294	1	878	24	0.00694727
0.0717647	1	610	17	0.00986035
0.095498	1	840	23	0.00868629
0.0701176	1	596	12	0.00665596
0.0828235	1	704	15	0.00721209
0.0695294	1	591	16	0.00710616
0.0923529	1	785	22	0.00894229
0.0756471	1	643	17	0.00770643
0.110813	1	950	18	0.00493459
0.108706	1	924	26	0.00564079
0.0447206	1	673	19	0.00530534
0.0481542	1	587	17	0.00939249
0.0304583	1	636	18	0.00822726
0.07	1	595	17	0.00988683

0.0691741	1	686	15	0.00519941
0.116467	1	1155	32	0.00793595
0.0702353	1	597	17	0.00763581
0.0751765	1	639	18	0.00752105
0.0782353	1	665	12	0.00929539
0.110569	1	952	20	0.00682368
0.0714537	1	609	15	0.00918063
0.0814267	1	694	20	0.0060292
0.0771036	1	657	13	0.00752988
0.0240554	0.312024	657	13	0.00752988
0.0555294	1	472	13	0.00977207
0.0715368	1	614	15	0.00883636
0.080086	1	968	26	0.00895111
0.0984706	1	837	24	0.00928656
0.0788235	1	670	16	0.00792712
0.0788235	1	670	16	0.00792712
0.069541	1	600	17	0.00655003
0.0792941	1	674	19	0.00719444
0.0376095	1	601	17	0.00767112
0.0365457	1	584	17	0.00825374
0.104588	1	889	25	0.0085627
0.100235	1	853	24	0.00713264
0.0361522	1	457	13	0.00781236
0.0805307	1	692	18	0.00780354
0.0799202	1	681	14	0.00678837
0.0728806	1	674	19	0.00867746
0.0694754	1	592	17	0.00749457
0.0844988	1	719	20	0.00727388
0.0668628	1	591	16	0.00682368
0.0667496	1	590	17	0.00840381
0.0943065	1	805	23	0.00586148
0.0802102	1	687	20	0.00729154
0.0661954	1	590	12	0.00712381
0.0999298	1	854	17	0.00700906
0.0815586	1	697	20	0.00661182
0.0652625	1	1540	42	0.00611748
0.0705924	1	603	17	0.00876573
0.0707059	1	601	17	0.00845677
0.0792941	1	674	19	0.00821843
0.0763881	1	659	17	0.00730919
0.0767529	1	659	17	0.00730919
0.0715294	1	608	15	0.00929539
0.0626322	1	533	11	0.00980738
0.050339	1	438	13	0.00794477
0.0849819	1	726	19	0.00481983
0.0563472	1	692	19	0.00758285
0.0496702	1	610	17	0.00964849

0.0530506	1	713	20	0.00731802
0.0684114	1	596	17	0.00994862
0.0385254	1	603	17	0.00545541
0.0788858	1	1079	30	0.00619692
0.158507	1	1350	37	0.00784767
0.0779709	1	664	19	0.00825374
0.0386446	1	609	17	0.00765347
0.0452238	1	668	18	0.00617927
0.0723159	1	652	19	0.00626754
0.0505751	1	598	17	0.00552603
0.0725882	1	617	13	0.00574672
0.10936	1	930	26	0.00466976
0.0637831	1	901	26	0.00800657
0.0748973	1	1058	24	0.00744161
0.0719953	1	617	17	0.00692078
0.0686781	1	585	13	0.00977207
0.0695294	1	591	15	0.00843912
0.0467209	1	758	19	0.00860684
0.035503	1	576	16	0.00971911
0.0729783	1	1184	33	0.00636465
0.0798824	1	679	19	0.00505817
0.0380864	1	656	18	0.00542893
0.0598484	1	742	21	0.00688547
0.0729412	1	620	15	0.00770643
0.0764706	1	650	17	0.00639113
0.111021	1	958	20	0.00622341
0.0641365	1	605	17	0.00774174
0.0930588	1	791	19	0.00700023
0.0698824	1	594	16	0.00992214
0.115817	1	990	26	0.00873042
0.0710018	1	606	17	0.00938366
0.054698	1	613	17	0.00549072
0.0347692	1	607	17	0.00976324
0.0770308	1	660	17	0.00643527
0.052554	1	606	17	0.00716795
0.0528561	1	855	24	0.00674423
0.0874081	1	749	21	0.00527886
0.0708235	1	602	12	0.00918946
0.103176	1	877	25	0.00756519
0.0189206	1	386	11	0.00851857
0.0360276	1	735	19	0.00867746
0.0292143	1	596	15	0.00909235
0.0323514	1	660	19	0.00518176
0.0720138	1	624	17	0.00796243
0.0736496	1	649	15	0.00772409
0.0653047	1	569	16	0.00943663
0.102651	1	879	23	0.00781236



0.0617647	1	525	15	0.00744161
0.0528681	1	600	17	0.00838615
0.0847059	1	720	20	0.00614396
0.119638	1	1018	29	0.00840381
0.0624934	1	594	14	0.00898642
0.0202084	1	605	11	0.00921594
0.0255528	1	765	22	0.00749457
0.0217449	1	651	19	0.00873925
0.0393639	1	651	19	0.00873925
0.0487675	1	1460	41	0.00845677
0.0882815	1	1460	41	0.00845677
0.0325673	1	975	27	0.00820077
0.0589551	1	975	27	0.00820077
0.0304381	1	601	12	0.0066383
0.0811478	1	690	17	0.00539362
0.0443062	1	705	18	0.0063823
0.036639	1	583	12	0.00980738
0.0727059	1	618	16	0.00919828
0.0727059	1	618	16	0.00919828
0.0696471	1	592	17	0.0079536
0.0299058	1	600	18	0.0072474
0.110824	1	942	24	0.00463445
0.100588	1	855	24	0.00765347
0.0768327	1	654	19	0.00646175
0.0758965	1	654	19	0.00646175
0.0575741	1	759	21	0.00565844
0.101529	1	863	23	0.00749457
0.0722353	1	614	17	0.00781236
0.0764706	1	650	19	0.00926008
0.0721878	1	618	15	0.0074063
0.0721831	1	615	18	0.00883636
0.0735535	1	628	18	0.00902173
0.0893528	1	856	20	0.00745043
0.113839	1	969	24	0.00505817
0.0489412	1	416	10	0.00906587
0.0661113	1	619	14	0.00614396
0.0662181	1	620	12	0.00707968
0.185765	1	1579	44	0.00818312
0.0897647	1	763	21	0.00611748
0.0897647	1	763	21	0.00611748
0.137412	1	1168	31	0.00805071
0.073073	1	638	18	0.00598506
0.0749412	1	637	18	0.00544658
0.0283649	1	467	13	0.00813015
0.0814841	1	694	19	0.00617044
0.0962191	1	822	20	0.00622341
0.101176	1	860	19	0.00648823

0.0666894	1	587	17	0.00956021
0.0511601	1	613	17	0.00840381
0.0682955	1	587	16	0.00770643
0.0717444	1	925	26	0.00828905
0.0346158	0.32	925	26	0.00828905
0.0713386	1	623	18	0.00704437
0.116111	1	1014	23	0.0078565
0.08153	1	697	15	0.00850091
0.0725231	1	620	14	0.00659416
0.0658791	1	619	18	0.00670892
0.0548084	1	595	17	0.00784767
0.0120803	0.31	600	17	0.0092689
0.0406394	1	600	17	0.0092689
0.0808235	1	687	20	0.00409597
0.0696471	1	592	17	0.00840381
0.12176	1	1165	30	0.00719444
0.0729412	1	620	18	0.00723857
0.0825882	1	702	20	0.00459031
0.0914971	1	778	22	0.00868629
0.0915294	1	778	22	0.00868629
0.123428	1	1050	30	0.00845677
0.0703529	1	598	17	0.00980738
0.0682586	1	586	16	0.00868629
0.168081	1	1565	43	0.00617044
0.0668042	1	583	16	0.00845677
0.0712941	1	606	17	0.00922477
0.105138	1	929	21	0.00682368
0.0372941	0.341227	929	21	0.00682368
0.0697783	1	598	12	0.0083067
0.0735739	1	632	18	0.0072474
0.0700092	1	606	17	0.00678837
0.0777495	1	673	19	0.00896877
0.027292	1	774	22	0.00909235
0.0246827	1	700	20	0.0042019
0.108824	1	925	16	0.00754754
0.0681176	1	579	16	0.00975442
0.0736756	1	630	18	0.00738864
0.107765	1	916	24	0.00822726
0.0808243	1	706	20	0.00595858
0.074411	1	638	18	0.00807719
0.0407062	1	890	25	0.00722974
0.0325192	1	711	20	0.00639113
0.0279455	1	611	17	0.00966614
0.0338456	1	740	21	0.00697375
0.0334048	1	654	18	0.00737981
0.0781176	1	664	19	0.00763581
0.0781176	1	664	19	0.00763581

0.155882	1	1325	37	0.00681485
0.0565882	1	481	14	0.00868629
0.0740047	1	632	18	0.00850974
0.100152	1	855	24	0.0085627
0.104471	1	888	23	0.00440494
0.104907	1	898	25	0.00867746
0.105647	1	898	25	0.00867746
0.055731	1	759	22	0.00691195
0.0692534	1	589	11	0.00703554
0.0942975	1	802	23	0.00816546
0.129923	1	1115	30	0.00838615
0.0720112	1	618	16	0.00976324
0.0783529	1	666	19	0.00619692
0.0801177	1	681	20	0.00849208
0.0660422	1	564	16	0.0076005
0.0699918	1	595	16	0.00852739
0.0704706	1	599	17	0.00888049
0.097341	1	831	24	0.00798891
0.0619401	1	643	18	0.00531417
0.0913207	1	948	26	0.00922477
0.0422996	1	646	18	0.00681485
0.0359379	0.479876	646	18	0.00681485
0.0632615	1	675	19	0.00794477
0.0694118	1	590	17	0.00687664
0.0794118	1	675	19	0.00868629
0.0921176	1	783	22	0.00784767
0.112824	1	959	27	0.00849208
0.0816279	1	694	20	0.00820077
0.079864	1	681	14	0.00617044
0.0794965	1	720	20	0.00919828
0.0681579	1	713	20	0.00557017
0.0871199	1	742	21	0.00788298
0.111176	1	945	23	0.00515528
0.0885882	1	753	21	0.00868629
0.12927	1	1105	23	0.00685899
0.0446476	1	586	17	0.00767112
0.0787118	1	677	17	0.00622341
0.0795909	1	677	17	0.00622341
0.070868	1	605	17	0.00868629
0.0681538	1	608	17	0.00625872
0.0832257	1	709	20	0.00694727
0.113258	1	973	22	0.00775057
0.0519138	1	590	12	0.00963966
0.0917647	1	780	22	0.00849208
0.042177	1	365	11	0.00756519
0.0717468	1	612	17	0.00625872
0.0696471	1	592	17	0.00956021

0.00702118	0.103041	592	17	0.00956021
0.0687756	1	587	16	0.00884518
0.0445451	1	757	22	0.00560548
0.0719154	1	612	17	0.00766229
0.114276	1	975	23	0.00857153
0.102471	1	871	22	0.00871277
0.0932066	1	804	21	0.00766229
0.116067	1	1020	24	0.00611748
0.0263423	1	627	18	0.00849208
0.0716471	1	609	14	0.00865981
0.0747609	1	641	18	0.00843029
0.0741089	1	630	17	0.0060292
0.0697647	1	593	17	0.00850974
0.0415512	1	615	17	0.00694727
0.0501317	1	742	21	0.00603803
0.0468792	1	694	20	0.00911001
0.0409349	1	606	17	0.00932187
0.0325183	1	669	19	0.00882753
0.0579762	1	652	16	0.00887167
0.0776471	1	660	18	0.00799774
0.0609362	1	604	17	0.00641761
0.0964675	1	822	23	0.00622341
0.0821997	1	707	20	0.0073445
0.051384	1	659	15	0.00622341
0.0478655	1	407	12	0.00746809
0.0870941	1	743	21	0.00710616
0.0723529	1	615	10	0.00814781
0.0843529	1	717	20	0.00847443
0.0774535	1	674	19	0.00684133
0.121671	1	1037	29	0.00858918
0.0887059	1	754	21	0.00659416
0.0702951	1	598	25	0.00948077
0.0704011	1	602	17	0.00906587
0.0925882	1	787	16	0.00778588
0.0727059	1	618	17	0.00799774
0.0944706	1	803	22	0.00822726
0.0749412	1	637	16	0.00730919
0.0562188	1	744	21	0.00617927
0.0872086	1	752	20	0.00603803
0.0708806	1	619	17	0.00949842
0.0712774	1	606	16	0.00722974
0.0843529	1	717	18	0.00741512
0.0560755	1	671	19	0.00908353
0.0666592	1	598	17	0.00880104
0.0806302	1	696	19	0.00918946
0.0708661	1	603	17	0.00984269
0.0634622	1	540	15	0.00965731

0.0832355	1	851	24	0.00444025
0.0504042	1	611	17	0.00855387
0.131094	1	1116	28	0.00619692
0.0755315	1	643	18	0.00642644
0.0754118	1	641	18	0.00946311
0.0535086	1	456	13	0.00826257
0.0772941	1	657	18	0.00876573
0.0739141	0.96347	657	18	0.00876573
0.121184	1	1052	26	0.00868629
0.0840968	1	716	20	0.00560548
0.0709934	1	606	17	0.00570258
0.12167	1	1046	28	0.00896877
0.0695407	1	592	16	0.00851857
0.0695294	1	591	17	0.0096838
0.0929932	1	791	22	0.00591444
0.0638464	1	655	14	0.00919828
0.133396	1	1138	32	0.00421956
0.118963	1	1138	32	0.00421956
0.069926	1	595	15	0.00977207
0.0444502	1	686	28	0.00753871
0.0682029	1	589	17	0.00990449
0.039714	1	622	18	0.00519941
0.0398094	1	610	17	0.0076976
0.0717647	1	610	17	0.0076976
0.0710588	1	604	17	0.00840381
0.0356777	1	523	15	0.00974559
0.0400372	1	774	22	0.00587913
0.0702353	1	597	17	0.00848325
0.0650701	1	557	11	0.00527886
0.0355679	1	616	16	0.00817429
0.0570996	1	604	17	0.0096838
0.0711765	1	605	17	0.00535831
0.0875088	1	744	21	0.00726506
0.0770767	1	656	17	0.004811
0.0812941	1	691	11	0.00722974
0.076667	1	691	11	0.00722974
0.102235	1	869	24	0.00859801
0.0558083	0.578826	869	24	0.00859801
0.0841056	1	717	20	0.00640879
0.0707059	1	601	17	0.00928656
0.0746944	1	660	19	0.00928656
0.0318185	1	404	10	0.00767112
0.0723274	1	615	12	0.00813898
0.0658605	1	561	10	0.00550838
0.0693069	1	609	15	0.00943663
0.0772969	1	668	19	0.00635582
0.0689331	1	586	17	0.00990449

0.0702353	1	597	17	0.00890698
0.112247	1	955	26	0.00499638
0.0836471	1	711	20	0.00519941
0.0342829	1	704	19	0.00777705
0.0633326	1	542	16	0.00888049
0.100353	1	853	24	0.0085627
0.0717141	1	610	17	0.00986918
0.108706	1	924	21	0.0084656
0.109529	1	931	26	0.00631168
0.0724706	1	616	15	0.00670892
0.0472682	1	802	23	0.00709733
0.0692849	1	591	17	0.00867746
0.0672306	1	604	16	0.00867746
0.0287609	0.709516	599	17	0.00682368
0.0701775	1	597	17	0.00971028
0.0724706	1	616	18	0.00772409
0.0823529	1	700	18	0.00777705
0.0695294	1	591	17	0.00869511
0.112941	1	960	22	0.00715913
0.0672783	1	594	17	0.00988683
0.0725486	1	620	18	0.00545541
0.0740741	1	728	20	0.00590562
0.0642481	1	549	14	0.00871277
0.0385017	1	700	20	0.00744161
0.0814118	1	692	19	0.00519941
0.0747059	1	635	17	0.00692961
0.0653163	1	574	11	0.00678837
0.129259	1	1104	26	0.0070532
0.0827059	1	703	19	0.00789181
0.0700682	1	596	17	0.00781236
0.106866	1	909	25	0.00741512
0.0621914	1	529	15	0.00849208
0.137765	1	1171	33	0.00855387
0.199529	1	1696	47	0.00700023
0.0413206	1	602	13	0.00597624
0.0528519	1	770	22	0.00851857
0.0680319	1	588	14	0.00619692
0.061437	1	643	18	0.00764464
0.0858824	1	730	18	0.00757402
0.153679	1	1345	38	0.00843912
0.06112	1	609	17	0.00677071
0.0383413	1	687	19	0.00412246
0.0477075	1	591	10	0.00996628
0.0685376	1	591	10	0.00996628
0.0478689	1	593	17	0.00665596
0.0246098	0.325581	1075	30	0.00783884
0.0502283	0.532093	1075	30	0.00783884

0.0428913	1	610	17	0.00499638
0.0535652	1	610	17	0.00499638
0.113059	1	961	26	0.00587913
0.0937647	1	797	21	0.00825374
0.0754673	1	642	18	0.00466094
0.0717647	1	610	13	0.00884518
0.0705993	1	602	17	0.00580851
0.0928826	1	937	26	0.00501404
0.0641356	1	647	18	0.00825374
0.0726782	1	619	14	0.00845677
0.101176	1	860	25	0.00585265
0.0842907	1	719	20	0.00821843
0.073849	1	632	11	0.00701788
0.100094	1	853	24	0.00736216
0.0885319	1	755	19	0.00799774
0.048083	1	607	17	0.00668244
0.09663	1	843	24	0.00906587
0.0731765	1	622	18	0.00778588
0.0717057	1	610	17	0.00805953
0.0648235	1	551	10	0.00898642
0.0914118	1	777	20	0.00662065
0.054	1	459	12	0.00761816
0.0767059	1	652	18	0.00779471
0.058989	1	713	31	0.00857153
0.0704423	1	602	15	0.00775057
0.112147	1	962	26	0.00650589
0.0822353	1	699	19	0.00865098
0.0755294	1	642	13	0.00517293
0.0830588	1	706	20	0.00746809
0.0741176	1	630	18	0.00806836
0.11007	1	940	26	0.00736216
0.072	1	612	15	0.00493459
0.0695734	1	592	16	0.00919828
0.0833529	1	711	16	0.00899525
0.0794118	1	675	19	0.00835084
0.0825882	1	702	20	0.00805071
0.0686217	1	585	14	0.00643527
0.0849945	1	776	17	0.0068943
0.0907708	1	776	17	0.0068943
0.108105	1	987	27	0.00515528
0.086414	1	741	21	0.00622341
0.0696991	1	593	17	0.00729154
0.069464	1	591	17	0.00503169
0.141483	1	1206	32	0.00911001
0.0419721	1	710	17	0.00590562
0.084	1	714	20	0.00657651
0.0756977	1	651	18	0.00855387

0.0860727	1	741	17	0.00731802
0.134706	1	1145	27	0.00778588
0.0671512	1	693	20	0.00849208
0.137319	1	1176	32	0.00838615
0.0815294	1	693	15	0.00648823
0.0969065	1	827	23	0.0054201
0.0821176	1	698	20	0.00587913
0.070632	1	608	14	0.00828022
0.0796471	1	677	18	0.00821843
0.072605	1	626	18	0.00920711
0.0707059	1	601	17	0.00763581
0.0691765	1	588	14	0.00950725
0.0738916	1	630	15	0.00503169
0.0875058	1	748	20	0.00922477
0.045545	1	389	11	0.00826257
0.0610669	1	791	19	0.00692961
0.0580053	1	809	23	0.00838615
0.0638958	1	824	19	0.00844794
0.0406959	1	676	18	0.00819195
0.0727899	1	634	18	0.00789181
0.0723529	1	615	13	0.00949842
0.0700862	1	634	18	0.00549072
0.096224	1	818	23	0.00843912
0.0770588	1	655	15	0.00986035
0.0662429	1	594	17	0.00880104
0.0716467	1	610	17	0.00959552
0.0738783	1	629	17	0.00719444
0.0705882	1	600	17	0.00480217
0.136941	1	1164	32	0.00778588
0.0725882	1	617	17	0.005323
0.0804271	1	708	17	0.00668244
0.0861176	1	732	21	0.00745043
0.119476	1	1022	29	0.00505817
0.0664881	0.922456	619	14	0.00778588
0.115647	1	983	24	0.0067354
0.0563622	1	590	16	0.00976324
0.0639012	1	590	15	0.00977207
0.0826648	1	711	20	0.00527886
0.0882252	1	774	21	0.00866863
0.0726946	1	808	22	0.00920711
0.0656471	1	558	16	0.00746809
0.0725882	1	617	13	0.0063823
0.0712125	1	612	17	0.00895111
0.0662481	1	612	15	0.00849208
0.077325	1	666	18	0.00808601
0.0697865	1	595	17	0.00895994
0.0761176	1	647	18	0.00840381



0.0533279	1	649	18	0.00662065
0.0974118	1	828	24	0.00546424
0.0807059	1	686	16	0.00744161
0.064528	1	879	25	0.00669127
0.0698824	1	594	17	0.00965731
0.0682943	1	607	17	0.00835967
0.069172	1	589	12	0.00798008
0.0941176	1	800	23	0.00849208
0.0941176	1	800	23	0.00849208
0.0755294	1	642	17	0.00558783
0.0778823	1	662	14	0.00685899
0.100588	1	855	24	0.00737981
0.0785882	1	668	17	0.00866863
0.0709412	1	603	17	0.00674423
0.0712941	1	606	17	0.0084656
0.103206	1	882	25	0.00412246
0.0706834	1	603	17	0.00937483
0.0698824	1	594	17	0.00937483
0.0694656	1	594	17	0.00937483
0.0452941	1	385	11	0.00840381
0.0839605	1	714	20	0.0056761
0.0671059	1	601	17	0.00855387
0.0914386	1	785	22	0.00585265
0.0710032	1	620	17	0.00730919
0.0728064	1	619	18	0.00951608
0.0876471	1	745	21	0.00869511
0.0724392	1	640	18	0.00732685
0.0752941	1	640	18	0.00732685
0.0601657	1	530	11	0.00973676
0.0734298	1	629	18	0.00555251
0.0685908	1	587	16	0.00814781
0.08417	1	721	20	0.00910118
0.186353	1	1584	41	0.00781236
0.0690588	1	587	10	0.00972794
0.0641146	1	546	12	0.00972794
0.0704556	1	600	15	0.00929539
0.0636969	1	612	15	0.00697375
0.0749412	1	637	12	0.0068943
0.0986934	1	846	24	0.0060292
0.0714118	1	607	15	0.00941897
0.0708578	1	603	13	0.00558783
0.0890532	1	759	20	0.00843912
0.0698311	1	612	17	0.00765347
0.0511209	1	602	15	0.00837732
0.0713138	1	799	22	0.00763581
0.0700198	1	600	17	0.00928656
0.116118	1	987	28	0.00845677

0.0710648	1	614	15	0.00894229
0.0722353	1	614	15	0.00894229
0.0854801	0.99455	734	21	0.00718561
0.0701858	1	597	16	0.00590562
0.103019	1	877	23	0.00752105
0.0783302	1	668	19	0.00819195
0.0446725	1	605	17	0.00722974
0.0731651	1	632	18	0.00772409
0.0104706	0.185804	479	14	0.00886284
0.108353	1	921	19	0.00515528
0.0850079	1	753	19	0.00436963
0.0691765	1	588	17	0.00798008
0.0669451	1	593	14	0.00928656
0.129882	1	1104	31	0.00596741
0.0528235	1	449	13	0.00557017
0.0384122	1	539	15	0.00480217
0.0698862	1	602	17	0.00791829
0.0700749	1	599	17	0.00928656
0.0712123	1	635	17	0.00825374
0.0795294	1	676	18	0.0056761
0.0707059	1	601	17	0.00849208
0.0594882	1	916	26	0.00504935
0.0815294	1	693	19	0.00479335
0.0675446	1	595	17	0.00878339
0.0703205	1	621	15	0.00786533
0.0723529	1	615	17	0.00771526
0.0738824	1	628	18	0.00863332
0.094307	1	873	23	0.00553486
0.068	1	578	16	0.00833319
0.0801267	1	683	19	0.00868629
0.0784706	1	667	19	0.00784767
0.074	1	629	18	0.00713264
0.0729044	1	621	18	0.00626754
0.0320657	1	726	20	0.00774174
0.0356433	1	807	23	0.00849208
0.03635	1	823	23	0.00827139
0.0808235	1	687	14	0.00647058
0.102329	1	870	24	0.00609982
0.102353	1	870	24	0.00609982
0.0767059	1	652	17	0.00776822
0.0735449	1	628	17	0.00671775
0.0678824	1	577	16	0.00837732
0.0314889	1	696	20	0.00466094
0.033932	1	750	21	0.00888049
0.150824	1	1282	35	0.00676189
0.0699859	1	596	12	0.00513762
0.0750793	1	639	18	0.0072474

0.0717924	1	733	21	0.00800657
0.0532606	1	762	21	0.00447556
0.0896365	1	762	21	0.00447556
0.0725626	1	617	10	0.00629403
0.0810144	1	690	20	0.0068943
0.0345293	1	563	10	0.00849208
0.0453858	1	660	14	0.00915415
0.0894964	1	766	16	0.00712381
0.0790588	1	672	19	0.00683251
0.0485882	1	413	11	0.00973676
0.0714118	1	607	18	0.00889815
0.0717647	1	610	12	0.00895111
0.0745923	1	709	18	0.00869511
0.105647	1	898	18	0.00986035
0.0836845	1	715	14	0.0075034
0.0922285	1	788	22	0.0068943
0.0720244	1	613	12	0.00943663
0.065916	1	562	12	0.00829788
0.0776471	1	660	12	0.0080154
0.039554	1	816	23	0.00496107
0.0985882	1	838	23	0.00796243
0.0942353	1	801	22	0.00777705
0.0985095	1	879	25	0.00527886
0.0959319	1	856	24	0.00843912
0.0792334	1	707	20	0.0085627
0.0736727	1	673	20	0.00820077
0.0883415	1	807	23	0.00697375
0.0681176	1	579	17	0.00827139
0.0503009	1	911	25	0.00640879
0.084543	1	728	20	0.00503169
0.101412	1	862	24	0.00796243
0.0983529	1	836	24	0.00869511
0.0694118	1	590	17	0.00585265
0.0708235	1	602	17	0.00865981
0.0362393	1	784	14	0.00843029
0.186916	1	1600	45	0.00839498
0.0743219	1	633	18	0.00706202
0.088294	1	752	16	0.00692961
0.0828965	1	854	23	0.00793595
0.0558986	1	869	24	0.00790946
0.0780848	1	667	18	0.00511997
0.0722353	1	614	10	0.00761816
0.0922353	1	784	18	0.00558783
0.0694591	1	592	16	0.00668244
0.074387	1	634	12	0.00921594
0.0664706	1	565	16	0.00916297
0.071672	1	610	17	0.00914532

0.0688389	1	600	17	0.00929539
0.0928981	1	794	20	0.00688547
0.0528161	1	934	26	0.00803305
0.0469351	1	830	24	0.00826257
0.0723259	1	616	16	0.00838615
0.0848574	1	747	14	0.00587913
0.0755294	1	642	17	0.00680602
0.0801177	1	681	19	0.00850091
0.0723189	1	615	16	0.00876573
0.05862	1	576	16	0.0065412
0.0869317	1	761	16	0.00483749
0.0921176	1	783	22	0.00926008
0.0836471	1	711	20	0.00481983
0.0700786	1	597	11	0.00929539
0.084517	1	720	14	0.00843912
0.0701326	1	603	17	0.00972794
0.0730567	1	625	16	0.00658534
0.0642326	1	570	14	0.00848325
0.0719146	1	613	17	0.00822726
0.0388319	1	613	17	0.00822726
0.0786016	1	670	19	0.00849208
0.104817	1	1347	38	0.00541128
0.00658669	0.0415739	1347	38	0.00541128
0.052136	1	670	18	0.00944545
0.078805	1	670	18	0.00944545
0.0877647	1	746	21	0.00865098
0.0566493	1	728	21	0.00617927
0.0856269	1	728	21	0.00617927
0.0878824	1	747	21	0.00684133
0.120924	1	1554	43	0.00621458
0.0476358	0.260618	1554	43	0.00621458
0.0789996	1	676	18	0.00511997
0.0798981	1	721	20	0.00825374
0.0844559	1	721	20	0.00825374
0.069869	1	608	15	0.0090747
0.0715294	1	608	15	0.0090747
0.0705072	1	727	14	0.00496107
0.0718786	1	616	17	0.00752988
0.0771295	1	661	18	0.00858036
0.0445819	1	627	18	0.0073445
0.0449374	1	632	18	0.00524355
0.0727059	1	618	18	0.0083067
0.0748626	1	640	16	0.00415777
0.0664003	1	565	16	0.00470507
0.0683875	1	612	16	0.00977207
0.0769412	1	654	15	0.00868629
0.105059	1	893	26	0.00463445

0.0718451	1	616	13	0.00866863
0.0700674	1	603	14	0.00442259
0.0690056	1	594	13	0.00865981
0.0449445	1	741	21	0.00833319
0.0534967	1	882	25	0.00440494
0.0451265	1	744	21	0.00918946
0.116353	1	989	22	0.00901291
0.0964706	1	820	23	0.0085627
0.113802	1	968	27	0.00678837
0.0747126	1	637	18	0.00825374
0.0877049	1	749	21	0.00743278
0.0570253	1	485	13	0.00886284
0.0744791	1	722	19	0.00539362
0.0782229	1	699	19	0.00764464
0.0705106	1	609	17	0.00842146
0.0528717	1	591	15	0.00820077
0.0725863	1	618	17	0.00838615
0.0998823	1	849	23	0.00681485
0.0956797	1	815	22	0.00759167
0.0655294	1	557	16	0.00986918
0.0232941	0.276923	715	19	0.0071503
0.0977647	1	831	22	0.0074063
0.0717478	1	610	17	0.0079536
0.0350506	0.559099	533	10	0.00837732
0.0687032	1	587	17	0.00919828
0.0488438	1	640	18	0.00719444
0.0745834	1	640	18	0.00719444
0.0713198	1	609	16	0.00922477
0.11894	1	1055	29	0.00805953
0.0688646	1	612	17	0.00648823
0.0696121	1	594	17	0.00804188
0.0796533	1	680	12	0.00758285
0.0386067	1	716	20	0.00573789
0.0414105	1	768	22	0.00745043
0.0711852	1	606	17	0.00999276
0.0431424	1	620	17	0.00466976
0.0511648	1	593	17	0.00985152
0.00282353	0.0351391	683	19	0.00472273
0.0803151	1	683	19	0.0070532
0.0418785	1	659	18	0.00805071
0.0748235	1	636	18	0.00651472
0.113765	1	967	28	0.00648823
0.0730107	1	623	18	0.00771526
0.069446	1	603	16	0.00814781
0.0719069	1	612	16	0.00932187
0.068408	1	605	18	0.00933952
0.057069	1	574	16	0.00937483

0.0681538	1	608	17	0.00624106
0.0767059	1	652	17	0.00842146
0.070642	1	603	17	0.00845677
0.0695083	1	605	17	0.00805071
0.072864	1	620	15	0.00934835
0.0727465	1	619	17	0.00994862
0.0831765	1	707	20	0.00525238
0.0720626	1	617	11	0.00825374
0.137647	1	1170	25	0.00617044
0.0714746	1	1109	29	0.00640879
0.0564058	1	1161	32	0.00708851
0.0696385	1	603	17	0.00975442
0.086	1	731	20	0.00887167
0.06639	1	608	16	0.00813898
0.072	1	612	15	0.00835967
0.0870431	1	743	21	0.0075034
0.0824234	1	702	15	0.00617927
0.0850277	1	736	21	0.00562313
0.076064	1	647	14	0.0061881
0.0965882	1	821	22	0.00678837
0.0724146	1	619	17	0.00986035
0.0921269	1	784	17	0.00754754
0.0707059	1	601	17	0.00838615
0.0468466	1	592	17	0.00722092
0.0717603	1	618	17	0.00715913
0.0727059	1	618	18	0.00807719
0.0823529	1	700	20	0.00903056
0.0761176	1	647	11	0.00464328
0.0721176	1	613	17	0.00850091
0.0697996	1	606	17	0.0083067
0.0592941	1	504	14	0.00977207
0.084	1	714	20	0.00966614
0.0721638	1	631	18	0.00629403
0.0684964	1	584	14	0.00829788
0.096	1	816	20	0.00804188
0.0142834	1	607	16	0.0071503
0.0179071	1	761	21	0.0076976
0.0929412	1	790	18	0.00588796
0.040545	1	610	10	0.00681485
0.0538109	1	610	10	0.00681485
0.0780316	1	666	19	0.005323
0.0847059	1	720	21	0.00719444
0.0692732	1	590	17	0.00829788
0.0746951	1	637	18	0.00835084
0.0798824	1	679	19	0.00863332
0.0503529	1	428	12	0.00772409
0.0684964	1	584	13	0.00888049

0.0225882	0.280292	685	19	0.00817429
0.0356567	1	531	14	0.00621458
0.0551974	1	822	16	0.00752105
0.0767059	1	652	18	0.00678837
0.0707894	1	625	18	0.0089776
0.072489	1	625	18	0.0089776
0.0748235	1	636	17	0.00534948
0.0722353	1	614	17	0.00956021
0.0521066	1	444	25	0.00682368
0.0734118	1	624	18	0.00681485
0.0341791	1	656	18	0.0060292
0.0523529	0.678354	656	18	0.0060292
0.0691639	1	589	17	0.00946311
0.0962893	1	820	23	0.00827139
0.0756224	1	644	18	0.00790946
0.0655607	1	660	14	0.00719444
0.0763529	1	649	19	0.0081125
0.0692941	1	589	13	0.00817429
0.124353	1	1057	22	0.0063823
0.0743005	1	632	16	0.00822726
0.0938303	1	803	20	0.00608217
0.0419546	1	595	17	0.00977207
0.0742353	1	631	18	0.00513762
0.0700188	1	596	10	0.0057732
0.0924706	1	786	18	0.00813015
0.0793614	1	691	18	0.00545541
0.0532966	1	831	22	0.00880987
0.0281552	1	601	17	0.00901291
0.0589505	1	601	17	0.00901291
0.0217371	1	464	11	0.00972794
0.0750588	1	638	18	0.00774174
0.0894118	1	760	22	0.00604686
0.0738824	1	628	15	0.00509348
0.0712941	1	606	17	0.00674423
0.0706976	1	601	17	0.00986035
0.0390218	1	592	17	0.00867746
0.0685518	1	1040	28	0.00697375
0.0701405	1	599	14	0.00704437
0.0410073	1	596	16	0.00921594
0.0687413	1	592	14	0.00963083
0.0712477	1	619	18	0.00920711
0.0795028	1	678	15	0.00731802
0.073853	1	631	12	0.00536714
0.0771765	1	656	18	0.00848325
0.0523332	1	720	19	0.00919828
0.101412	1	862	19	0.00488162
0.0863529	1	734	21	0.0084656

0.104	1	884	24	0.00837732
0.075	1	1074	26	0.00842146
0.0651765	1	554	16	0.00849208
0.0735087	1	626	16	0.00777705
0.0703529	1	598	11	0.00883636
0.0637647	1	542	15	0.00867746
0.0701176	1	596	14	0.00908353
0.0909412	1	773	22	0.00570258
0.0453513	1	639	18	0.00648823
0.046607	1	682	14	0.00652354
0.0912941	1	776	20	0.00908353
0.0749151	1	640	15	0.00850091
0.0215887	1	340	10	0.00928656
0.0647872	1	586	16	0.00808601
0.0340625	1	654	18	0.00965731
0.0900922	1	772	22	0.00868629
0.0959272	1	822	23	0.00847443
0.0956593	1	822	23	0.00847443
0.067448	1	587	16	0.00650589
0.0965431	1	930	23	0.00826257
0.0407868	1	649	18	0.00700906
0.103236	1	887	19	0.00828022
0.0976904	1	884	22	0.00557017
0.0700152	1	598	10	0.00655885
0.0731163	1	622	17	0.0057732
0.0838808	1	715	19	0.00678837
0.0330211	0.579055	487	14	0.0079536
0.0571328	1	487	14	0.0079536
0.0681618	1	620	16	0.00997511
0.0721876	1	625	17	0.00752105
0.0680792	1	588	16	0.00796243
0.115781	1	1000	23	0.00762698
0.0710588	1	604	17	0.00442259
0.0689332	1	588	17	0.00909235
0.0742551	1	638	18	0.0059321
0.090433	1	777	22	0.00890698
0.0515189	0.749191	618	10	0.00614396
0.0818054	1	696	18	0.00821843
0.0727059	1	618	17	0.00622341
0.0766884	1	729	14	0.00737099
0.0883529	1	751	21	0.00662065
0.0752751	1	643	16	0.00622341
0.114674	1	980	26	0.00465211
0.0729412	1	620	17	0.00700906
0.0680153	1	585	13	0.0072474
0.0470004	1	890	25	0.00719444
0.104571	1	890	25	0.00719444



0.0383854	1	582	14	0.00860684
0.0607059	1	516	14	0.00735333
0.0811445	1	692	16	0.00648823
0.0713782	1	607	11	0.00842146
0.0688567	1	589	12	0.00672658
0.0767059	1	652	18	0.00826257
0.0767059	1	652	18	0.00826257
0.0703529	1	598	17	0.00914532
0.0741176	1	630	17	0.00559665
0.0723792	1	620	17	0.00843029
0.101681	1	871	25	0.0046168
0.0733131	1	628	18	0.00687664
0.123044	1	1046	29	0.00919828
0.0464717	1	704	20	0.00956021
0.0625069	0.799716	704	20	0.00956021
0.0546821	1	473	13	0.00956904
0.0708428	1	717	18	0.00722974
0.0260844	0.342412	771	15	0.00798008
0.0468551	1	590	12	0.00814781
0.0693221	1	590	12	0.00814781
0.0466361	1	662	18	0.00608217
0.0436069	1	619	18	0.00617044
0.0870588	1	740	21	0.00661182
0.0500191	1	654	19	0.00683251
0.0741176	1	630	17	0.00722974
0.100235	1	852	21	0.00642644
0.0777612	1	678	19	0.00527886
0.0392349	1	601	17	0.00712381
0.0483745	1	741	18	0.00919828
0.0492884	1	755	21	0.00762698
0.0802353	1	682	19	0.00730919
0.0718824	1	611	17	0.00860684
0.0687059	1	584	10	0.0041048
0.0366274	1	616	12	0.00835084
0.0723599	1	616	12	0.00835084
0.0705815	1	619	13	0.00798891
0.03971	1	586	17	0.0089776
0.0395744	1	584	16	0.00929539
0.070262	1	598	17	0.00930421
0.0834215	1	710	20	0.00865098
0.0625536	1	656	19	0.00921594
0.0626851	1	656	19	0.00921594
0.0350511	1	689	15	0.00790064
0.0723939	1	616	14	0.00879222
0.0474054	1	655	18	0.0081125
0.0665882	1	566	10	0.00876573
0.0536471	1	456	13	0.0056761

0.0722554	1	618	17	0.00884518
0.112118	1	953	26	0.00833319
0.0810242	1	693	20	0.00753871
0.018947	1	619	17	0.00781236
0.0223447	1	730	21	0.00417542
0.0858722	1	730	21	0.00417542
0.0710427	1	605	17	0.00925125
0.020138	0.398714	622	17	0.00833319
0.0247807	1	582	16	0.00569376
0.0671218	1	816	21	0.0069914
0.0687059	1	584	15	0.00808601
0.095385	1	835	20	0.00497873
0.0739404	1	635	18	0.00585265
0.0258443	1	603	17	0.00842146
0.0708661	1	603	17	0.00842146
0.105288	1	896	25	0.00650589
0.032948	1	781	20	0.00544658
0.0918824	1	781	20	0.00544658
0.0767333	1	653	18	0.0061881
0.0260295	1	749	17	0.00909235
0.0720009	1	620	17	0.00535831
0.0294005	1	846	24	0.00546424
0.118918	1	1024	29	0.0080154
0.0703152	1	600	13	0.00874808
0.0709412	1	603	18	0.00866863
0.0623372	1	646	18	0.00983387
0.0757949	1	646	18	0.00983387
0.0649676	1	571	16	0.00698257
0.0758824	1	645	16	0.00880987
0.0816471	1	694	18	0.00915415
0.0446531	1	742	21	0.00545541
0.0711439	1	607	17	0.00799774
0.0886537	1	754	14	0.00503169
0.0773531	1	927	21	0.00928656
0.0734118	1	624	17	0.00805071
0.0696779	1	597	17	0.0099398
0.0584219	1	599	17	0.00765347
0.101251	1	866	21	0.00666478
0.0682391	1	596	13	0.00971028
0.115647	1	983	28	0.00820077
0.0704706	1	599	17	0.00847443
0.0429264	1	815	23	0.00697375
0.0383385	1	611	17	0.00975442
0.11225	1	975	22	0.00621458
0.0767902	1	667	19	0.0081125
0.065888	1	739	21	0.00542893
0.0569722	1	639	18	0.00712381

0.163071	1	1829	44	0.0057732
0.0772941	1	657	17	0.005323
0.0594118	1	505	10	0.00965731
0.0695294	1	591	17	0.00973676
0.0376645	1	687	20	0.00850974
0.0914433	1	778	22	0.00415777
0.0671742	1	600	17	0.00934835
0.0666089	1	769	22	0.0046168
0.0698824	1	594	16	0.00601155
0.0908984	1	773	21	0.00809484
0.0695294	1	591	17	0.00964849
0.116235	1	988	28	0.00729154
0.0884706	1	752	22	0.00781236
0.0483825	1	676	17	0.00816546
0.0497354	1	423	12	0.00859801
0.176	1	1496	42	0.00842146
0.0839802	1	714	20	0.00560548
0.052223	1	592	17	0.00973676
0.0721311	1	616	18	0.00928656
0.0844706	1	718	20	0.00857153
0.0691765	1	588	17	0.00937483
0.0777452	1	662	12	0.00524355
0.0973139	1	855	23	0.00847443
0.100482	1	855	23	0.00847443
0.0694054	1	593	17	0.00678837
0.0697647	1	593	17	0.00678837
0.0769412	1	654	16	0.00761816
0.0696674	1	599	13	0.00833319
0.0648106	1	568	10	0.00873042
0.0919671	1	806	23	0.00672658
0.0638824	1	543	16	0.00761816
0.0685882	1	583	11	0.00564962
0.0448799	1	497	13	0.00938366
0.0593646	1	626	17	0.00971028
0.0695037	1	619	16	0.00842146
0.0738263	1	629	17	0.00775057
0.0519525	1	600	14	0.00998393
0.027092	1	417	11	0.00886284
0.0804652	1	685	16	0.00842146
0.0792941	1	674	19	0.00500521
0.0197603	1	572	16	0.00721209
0.0207275	1	600	17	0.00775057
0.116339	1	994	28	0.00737981
0.0706976	1	601	13	0.00828022
0.0766802	1	753	21	0.00777705
0.183412	1	1559	43	0.00752988
0.105059	1	893	22	0.00849208

0.112118	1	953	21	0.00544658
0.0749412	1	637	13	0.00944545
0.0706573	1	602	13	0.00671775
0.100714	1	875	24	0.00731802
0.101765	1	865	25	0.00793595
0.0470866	1	598	17	0.00821843
0.104	1	884	22	0.00780354
0.0784706	1	667	19	0.00682368
0.0701176	1	596	17	0.00943663
0.0817647	1	695	20	0.00877456
0.0908235	1	772	22	0.00918946
0.0772941	1	657	19	0.00793595
0.0796471	1	677	19	0.00700023
0.0957647	1	814	22	0.00660299
0.0881176	1	749	21	0.00466976
0.0687023	1	585	14	0.00777705
0.0724823	1	624	18	0.0079536
0.086819	1	741	20	0.0046168
0.0619064	1	717	18	0.00995745
0.102072	1	872	24	0.00777705
0.0715881	1	609	17	0.00908353
0.0716302	1	609	17	0.00908353
0.0697955	1	867	24	0.00730036
0.0579617	1	720	19	0.00719444
0.0694379	1	593	17	0.00775057
0.0711023	1	607	15	0.00792712
0.0679634	1	601	12	0.00875691
0.0844706	1	718	20	0.0080154
0.0844706	1	718	20	0.0080154
0.0789412	1	671	19	0.00541128
0.0694329	1	917	25	0.00587913
0.0661176	1	562	16	0.00529652
0.0362931	1	589	16	0.00971028
0.0781176	1	664	19	0.00469624
0.0728127	1	620	15	0.00528769
0.0687831	1	585	11	0.00838615
0.128	1	1088	30	0.00813015
0.0694298	1	593	13	0.0056761
0.0703529	1	598	17	0.00805071
0.0699422	1	605	17	0.00986035
0.0748235	1	636	18	0.00753871
0.039732	1	338	10	0.00783002
0.035183	1	596	16	0.00932187
0.0877008	1	748	20	0.00451969
0.0944706	1	803	23	0.00898642
0.0755294	1	642	15	0.00634699
0.0949412	1	807	20	0.00599389

0.0697566	1	599	17	0.00909235
0.0862932	1	741	14	0.00519941
0.0417647	1	355	10	0.00980738
0.0928768	1	811	21	0.00885401
0.0602296	1	640	18	0.00729154
0.0747053	1	640	18	0.00729154
0.088	1	748	16	0.00744161
0.0909541	1	918	26	0.0076005
0.0795973	1	838	23	0.00757402
0.0858663	1	904	25	0.00783002
0.0712358	1	607	17	0.0084656
0.0535148	1	456	13	0.00849208
0.0950588	1	808	23	0.00527003
0.0586876	1	838	23	0.00813015
0.0714118	1	607	17	0.00972794
0.073202	1	628	16	0.00735333
0.044	1	374	11	0.00806836
0.0394197	1	432	11	0.0099398
0.0870588	1	740	21	0.0076005
0.0710972	1	613	16	0.00814781
0.0601176	1	511	14	0.00820077
0.0909412	1	773	21	0.00919828
0.0708235	1	602	17	0.00989566
0.0717647	1	610	17	0.00511114
0.0717647	1	610	17	0.00511114
0.0658856	1	613	17	0.00585265
0.0921312	1	795	22	0.00873925
0.0725882	1	617	12	0.00868629
0.0864502	1	735	21	0.0056761
0.0750751	1	650	14	0.0085627
0.114316	1	979	27	0.00745043
0.0799579	1	683	16	0.0085627
0.0778108	1	681	19	0.00759167
0.0364482	1	619	18	0.00723857
0.0496707	0.659259	675	18	0.00760933
0.0794118	1	675	18	0.00760933
0.0709412	1	603	14	0.00683251
0.0673474	1	587	13	0.0063823
0.068668	1	597	17	0.00971028
0.100826	1	1441	40	0.00889815
0.117972	1	1005	25	0.00842146
0.0383728	1	599	17	0.00888049
0.021284	1	608	17	0.00945428
0.0215291	1	615	17	0.00971028
0.0606838	1	852	24	0.00542893
0.0457414	1	645	18	0.00770643
0.14408	1	1229	32	0.00504052

0.0723529	1	615	18	0.00835967
0.0618611	1	817	23	0.0080154
0.0744976	1	645	13	0.00732685
0.0149915	1	589	17	0.00990449
0.072	1	612	14	0.00864215
0.0749412	1	637	18	0.00842146
0.113765	1	967	27	0.00773291
0.0870588	1	740	21	0.00530534
0.117176	1	996	26	0.00835084
0.0698824	1	594	17	0.00928656
0.0725882	1	617	17	0.00817429
0.095501	1	813	22	0.00813015
0.0747059	1	635	18	0.00915415
0.058844	1	677	19	0.00876573
0.0600173	1	973	27	0.00407832
0.0691765	1	588	14	0.00825374
0.0688235	1	585	14	0.00851857
0.110145	1	937	22	0.00589679
0.102353	1	870	24	0.00873042
0.0368616	1	607	17	0.00946311
0.0866743	1	761	20	0.00553486
0.0737647	1	627	14	0.00831553
0.0431463	1	633	18	0.00797126
0.0712941	1	606	15	0.00868629
0.0721457	1	618	17	0.00788298
0.121412	1	1032	29	0.00833319
0.0107527	0.148387	620	18	0.00773291
0.0707106	1	605	17	0.0067354
0.0274372	1	584	14	0.00964849
0.066	1	561	16	0.00988683
0.0861176	1	732	20	0.00845677
0.0584093	1	506	14	0.00984269
0.0755155	1	780	22	0.0064794
0.0692941	0.755128	780	22	0.0064794
0.115765	1	984	26	0.00798891
0.07	1	595	16	0.00892463
0.0712941	1	606	17	0.00742395
0.0703829	1	601	17	0.00726506
0.0515407	1	557	12	0.00655003
0.137506	1	1171	33	0.00662947
0.0711765	1	605	13	0.00978973
0.0722353	1	614	17	0.00777705
0.101529	1	863	25	0.00574672
0.0698824	1	594	17	0.00803305
0.0433813	1	700	20	0.00684133
0.0703994	1	601	17	0.00997511
0.0698918	1	601	17	0.00997511

0.0698824	1	594	17	0.00851857
0.0465453	1	708	20	0.0074063
0.0357419	1	600	17	0.00561431
0.0694722	1	591	15	0.00896877
0.122588	1	1042	27	0.00661182
0.0649984	1	613	17	0.00690313
0.0683587	1	606	17	0.0066383
0.07	1	595	17	0.00825374
0.068921	1	587	12	0.00906587
0.0704706	1	599	17	0.00515528
0.0798461	1	685	19	0.00813015
0.0724706	1	616	13	0.00624989
0.0750588	1	638	18	0.00634699
0.0702639	1	599	16	0.00760933
0.0689575	1	592	17	0.00737981
0.0876391	1	748	22	0.00821843
0.0944399	1	817	22	0.00815664
0.068445	1	603	12	0.00704437
0.0717647	1	610	17	0.00938366
0.0732941	1	623	17	0.00617044
0.0565993	0.642667	750	21	0.00700023
0.0882353	1	750	21	0.00700023
0.0872941	1	742	21	0.00624106
0.0860182	1	841	18	0.00547307
0.0848235	1	721	17	0.00782119
0.0699333	1	598	15	0.0070532
0.0755759	1	643	18	0.00585265
0.0679361	1	578	12	0.00719444
0.021517	1	459	12	0.00845677
0.0688235	1	585	17	0.00997511
0.069018	1	589	16	0.00938366
0.0621045	1	530	15	0.00976324
0.0695294	1	591	17	0.00766229
0.0822785	1	702	20	0.00670892
0.0698824	1	594	17	0.00466094
0.0363482	1	727	20	0.00887167
0.0716211	1	611	17	0.00964849
0.0544409	1	464	13	0.00948077
0.0990246	1	934	26	0.00774174
0.0710517	1	606	17	0.00991331
0.0711773	1	607	10	0.00526121
0.0584782	1	498	11	0.00787415
0.0633831	1	628	18	0.0072474
0.0716471	1	609	17	0.00906587
0.0704706	1	599	17	0.00852739
0.0920653	1	789	22	0.00726506
0.0691949	1	593	17	0.00511114

0.0728549	1	737	21	0.0063823
0.0756471	1	643	18	0.00760933
0.0872287	1	1310	36	0.00625872
0.066068	1	618	17	0.00948077
0.0651884	1	979	27	0.00866863
0.113903	1	979	27	0.00866863
0.0864407	1	765	22	0.0063823
0.117176	1	996	28	0.00909235
0.0680563	1	813	21	0.00756519
0.0714118	1	607	11	0.00995745
0.107647	1	915	26	0.00700906
0.0452941	1	385	10	0.0095249
0.0684112	1	583	16	0.00781236
0.0775294	1	659	18	0.00798891
0.0871979	1	754	21	0.00594975
0.0469453	1	584	12	0.00923359
0.0856942	1	732	21	0.00581734
0.0971765	1	826	23	0.00525238
0.0963884	1	822	20	0.00590562
0.0782353	1	665	19	0.00643527
0.0800187	1	684	19	0.00712381
0.0132941	0.138142	818	23	0.00780354
0.0388621	1	597	17	0.00822726
0.0702353	1	597	17	0.00822726
0.0420518	1	646	18	0.00572024
0.076	1	646	18	0.00572024
0.0635745	1	710	20	0.00517293
0.0709253	1	604	14	0.00868629
0.0960545	1	818	23	0.00489045
0.0654118	1	556	13	0.00745043
0.0803509	1	687	19	0.00578203
0.128706	1	1094	31	0.00525238
0.0714118	1	607	17	0.00973676
0.0624632	1	531	12	0.00870394
0.0700875	1	601	17	0.00865098
0.0714869	1	613	17	0.00971028
0.0733945	1	624	18	0.00753871
0.0449806	1	591	17	0.00889815
0.0764706	1	650	19	0.00636465
0.0399438	1	626	18	0.00409597
0.0431229	1	612	11	0.0080154
0.129647	1	1102	31	0.00888932
0.0887796	1	758	16	0.00650589
0.139494	1	1191	28	0.00637347
0.0944771	1	804	23	0.00662947
0.0798122	1	680	17	0.00731802
0.11115	1	947	22	0.00488162



0.0507059	0.698541	617	18	0.00838615
0.0546768	1	598	17	0.00745926
0.0885983	1	969	23	0.00752105
0.0722906	1	623	14	0.00697375
0.0966803	1	830	18	0.00692961
0.0196619	0.304498	867	18	0.00530534
0.0547404	1	735	20	0.00844794
0.0741789	1	996	25	0.00714147
0.0398735	1	643	18	0.00852739
0.0399751	1	643	18	0.00852739
0.0414858	1	669	19	0.00565844
0.0415915	1	669	19	0.00565844
0.0430361	1	694	19	0.00838615
0.0431458	1	694	19	0.00838615
0.076	1	646	17	0.00735333
0.13962	1	1189	33	0.00814781
0.0692941	1	589	14	0.00973676
0.17	1	1445	37	0.00814781
0.0708235	1	602	14	0.00822726
0.125176	1	1064	29	0.00542893
0.0711439	1	607	17	0.00986918
0.0726676	1	620	17	0.00807719
0.0798879	1	684	18	0.00738864
0.0723529	1	615	14	0.0089776
0.0901176	1	766	22	0.00660299
0.0706515	1	604	11	0.00722974
0.105176	1	894	25	0.00757402
0.0725882	1	617	15	0.00901291
0.0915294	1	778	22	0.00662947
0.0704736	1	622	17	0.0077594
0.086	1	731	20	0.00511114
0.068	1	578	16	0.00873925
0.0998823	1	849	21	0.0080154
0.0595284	1	616	16	0.00965731
0.0540912	1	747	21	0.00842146
0.05105	1	705	20	0.00864215
0.0705219	1	600	17	0.00620575
0.0658762	1	600	17	0.00620575
0.105818	1	904	25	0.00609982
0.0976509	1	848	19	0.00887167
0.0743529	1	632	18	0.00794477
0.121934	1	1039	26	0.0077594
0.0728906	1	641	18	0.00799774
0.0704706	1	599	13	0.00767112
0.015194	0.214521	606	15	0.00668244
0.0399894	1	606	15	0.00668244
0.0622912	1	839	22	0.00925125

0.0721176	1	613	17	0.00463445
0.124706	1	1060	30	0.00592327
0.0413994	1	981	28	0.00867746
0.0571043	1	592	14	0.00843029
0.0872941	1	742	21	0.00752988
0.0524537	1	450	10	0.00890698
0.0698824	1	594	17	0.00902173
0.072874	1	623	16	0.00922477
0.033168	1	769	22	0.00802422
0.0189412	0.209363	769	22	0.00802422
0.025275	1	586	16	0.00822726
0.078	1	663	19	0.00822726
0.0707791	1	615	15	0.00956021
0.069283	1	602	16	0.00822726
0.0700886	1	609	17	0.00895994
0.0683623	1	594	17	0.00576437
0.0878054	1	751	21	0.00627637
0.0742353	1	631	18	0.00873042
0.0697032	1	681	19	0.00979856
0.105732	1	1033	29	0.00793595
0.0882145	1	750	21	0.00686782
0.0988235	1	840	24	0.00626754
0.0629582	1	541	15	0.00559665
0.108953	1	931	26	0.00463445
0.0470985	1	642	18	0.00408714
0.057818	1	619	13	0.00497873
0.114905	1	996	26	0.00562313
0.0702513	1	601	17	0.00874808
0.0701898	1	599	13	0.00979856
0.0548823	1	634	18	0.00776822
0.0768235	1	653	15	0.00477569
0.0750529	1	639	18	0.00758285
0.0853701	1	730	21	0.00789181
0.0790588	1	672	19	0.0074063
0.0849412	1	722	13	0.00834201
0.0940711	1	1190	28	0.00702671
0.120008	1	1190	28	0.00702671
0.0462956	1	588	15	0.00817429
0.0645443	1	592	11	0.00735333
0.0826495	1	705	17	0.00870394
0.0829119	1	705	17	0.00870394
0.0772567	1	659	19	0.00572907
0.0775021	1	659	19	0.00572907
0.0756902	1	647	18	0.00741512
0.0726486	1	621	15	0.00802422
0.0768701	1	1004	28	0.00743278
0.0452492	1	591	16	0.00861567

0.166934	1	1766	49	0.00775057
0.0714118	1	607	17	0.00730919
0.0938824	1	798	22	0.00495224
0.0454249	1	627	14	0.00909235
0.0589121	1	704	20	0.00883636
0.0234596	0.29711	865	23	0.0063823
0.0919626	1	865	23	0.0063823
0.0719915	1	612	16	0.00749457
0.0701116	1	597	17	0.00896877
0.0400404	1	516	15	0.00979856
0.0674365	1	584	17	0.00901291
0.06672	1	584	17	0.00901291
0.0483706	1	613	18	0.00971028
0.0685929	1	584	16	0.00805953
0.115115	1	987	28	0.00814781
0.0799395	1	687	12	0.00820077
0.0685882	1	583	16	0.00526121
0.069172	1	589	17	0.00933952
0.0367776	1	588	15	0.00706202
0.0251787	1	715	20	0.00761816
0.124912	1	1062	30	0.00773291
0.0730881	1	626	16	0.00859801
0.0715294	1	608	17	0.00585265
0.0948235	1	806	23	0.00880104
0.0868235	1	738	18	0.00730919
0.0605067	1	738	18	0.00730919
0.0834118	1	709	20	0.00921594
0.058129	1	709	20	0.00921594
0.126118	1	1072	30	0.00659416
0.0720249	1	647	18	0.00849208
0.0744877	1	647	18	0.00849208
0.0756471	1	643	14	0.00929539
0.0822353	1	699	20	0.0081125
0.0387497	1	600	17	0.0083685
0.0801177	1	681	13	0.00710616
0.041075	1	619	12	0.0085627
0.0714118	1	607	17	0.00822726
0.0795402	1	692	19	0.00568493
0.0707591	1	604	12	0.00910118
0.0704077	1	601	17	0.00892463
0.0728235	1	619	18	0.00868629
0.0695604	1	875	25	0.00672658
0.131059	1	1114	31	0.00662947
0.048641	1	655	19	0.00592327
0.0802734	1	693	17	0.00735333
0.0818001	1	698	18	0.005067
0.0748857	1	639	18	0.00774174

0.0504706	0.638393	672	19	0.00528769
0.0790588	1	672	19	0.00528769
0.0792382	1	674	18	0.00775057
0.0977647	1	831	23	0.00587913
0.0903824	1	780	18	0.00752105
0.0710588	1	604	17	0.00903056
0.0375954	1	601	17	0.00922477
0.0641039	1	602	17	0.00622341
0.0728235	1	619	13	0.00837732
0.0663794	1	570	16	0.00517293
0.0537427	1	695	20	0.00643527
0.0475564	1	615	15	0.00833319
0.0722353	1	614	17	0.00669127
0.0721692	1	696	20	0.00473156
0.0697647	1	593	17	0.00784767
0.0695764	1	593	17	0.00784767
0.117529	1	999	28	0.00415777
0.0702353	1	597	17	0.00890698
0.0881869	1	751	17	0.00730919
0.0725693	1	618	18	0.00868629
0.0672511	1	583	15	0.0070532
0.0685882	1	583	15	0.0070532
0.0627059	1	533	10	0.00718561
0.0931765	1	792	23	0.00472273
0.0351221	1	610	16	0.00888932
0.0822287	1	701	20	0.00865981
0.137278	1	1174	32	0.00721209
0.0702353	1	597	17	0.00860684
0.0722594	1	615	18	0.00873925
0.068671	1	587	17	0.0080154
0.0763529	1	649	18	0.00542893
0.0957796	1	817	23	0.005323
0.0720911	1	614	17	0.0061881
0.0704706	1	599	17	0.00774174
0.0314561	1	353	10	0.00899525
0.113347	1	969	26	0.00700906
0.0577647	1	491	14	0.00880987
0.0709328	1	603	17	0.00976324
0.0766526	1	654	17	0.00863332
0.0694493	1	594	13	0.00793595
0.0829022	1	705	20	0.00550838
0.0822637	1	705	20	0.00550838
0.0985419	1	838	23	0.00871277
0.097783	1	838	23	0.00871277
0.0496665	1	685	13	0.00562313
0.0781525	0.970803	685	13	0.00562313
0.043286	1	597	17	0.00757402

0.070161	1	597	17	0.00757402
0.0723529	1	615	13	0.00990449
0.0708235	1	602	14	0.00898642
0.0710678	1	605	15	0.00892463
0.0802353	1	682	19	0.00876573
0.103647	1	881	26	0.00499638
0.0704804	1	600	17	0.00835084
0.0904499	1	770	22	0.00620575
0.0998823	1	849	24	0.00849208
0.0937397	1	849	24	0.00849208
0.0371787	1	826	23	0.00821843
0.0403745	1	897	25	0.00554369
0.0261962	1	582	16	0.00721209
0.0412357	1	582	16	0.00721209
0.0277715	1	617	18	0.00794477
0.0437155	1	617	18	0.00794477
0.10178	1	869	25	0.00584382
0.0673957	1	604	17	0.00906587
0.0843529	1	717	16	0.00784767
0.0958824	1	815	16	0.00704437
0.0721963	1	618	18	0.00408714
0.072	1	612	11	0.00869511
0.0787935	1	674	19	0.0061881
0.0687273	1	587	17	0.00936601
0.0701176	1	596	17	0.00898642
0.0745882	1	634	18	0.00871277
0.092	1	782	22	0.00650589
0.0704706	1	599	17	0.00972794
0.0530128	1	688	19	0.00790064
0.0499307	1	648	14	0.00609982
0.0738301	1	650	18	0.00772409
0.0809412	1	688	19	0.0093307
0.0318995	1	597	17	0.00804188
0.128588	1	1093	29	0.0067354
0.0478333	1	659	18	0.00825374
0.0475163	1	749	21	0.00700906
0.04574	1	721	20	0.00804188
0.0376197	1	593	17	0.00919828
0.0372796	1	1019	29	0.00875691
0.030987	1	847	23	0.0077594
0.0762563	1	651	17	0.00759167
0.0226824	1	620	18	0.00759167
0.0230116	1	629	18	0.00560548
0.0358594	1	759	21	0.00655003
0.0349617	1	740	21	0.00804188
0.0413272	1	634	18	0.0079536
0.0878244	1	748	15	0.00745043

0.0433406	1	876	24	0.005323
0.0848189	1	1494	41	0.00398121
0.175765	1	1494	41	0.00398121
0.0353696	1	623	18	0.00805071
0.0776471	1	660	17	0.0071503
0.0350836	0.431655	695	18	0.00858918
0.0466537	1	695	18	0.00858918
0.0422653	1	706	13	0.00805071
0.0438218	1	732	21	0.00613513
0.0351211	1	573	16	0.00986918
0.0506283	1	826	23	0.00558783
0.096349	1	826	23	0.00558783
0.0361101	1	619	16	0.00718561
0.0346517	1	594	17	0.00973676
0.106471	1	905	20	0.00480217
0.0437005	1	607	17	0.00717678
0.0652557	1	555	16	0.00774174
0.0326591	1	641	18	0.00928656
0.0692941	1	589	16	0.00515528
0.0691765	1	588	17	0.00932187
0.0744706	1	633	16	0.0084656
0.0708235	1	602	17	0.00919828
0.0756831	1	662	17	0.00868629
0.0960329	1	840	24	0.00926008
0.0691765	1	588	14	0.00762698
0.098943	1	908	20	0.00546424
0.106824	1	908	20	0.00546424
0.0714369	1	610	17	0.00807719
0.0485228	0.537267	966	27	0.00776822
0.0613879	1	966	27	0.00776822
0.0697457	1	746	21	0.0086245
0.0474072	1	746	21	0.0086245
0.118706	1	1009	28	0.00630285
0.0756401	1	644	17	0.00684133
0.0964843	1	977	22	0.00611748
0.0787004	1	671	19	0.00648823
0.0783787	1	671	19	0.00648823
0.0714873	1	609	17	0.0085627
0.0753657	1	644	17	0.00865981
0.0903452	1	772	22	0.00845677
0.0988235	1	840	23	0.00859801
0.0384586	1	1009	28	0.00849208
0.0226025	1	593	17	0.00794477
0.102342	1	874	25	0.00722092
0.103294	1	878	25	0.00762698
0.0792998	1	675	19	0.00805071
0.0393691	1	644	18	0.00926008

0.0695979	1	592	17	0.00767112
0.0708182	1	605	17	0.00794477
0.0956613	1	818	24	0.00839498
0.0962353	1	818	24	0.00839498
0.0743773	1	636	18	0.00766229
0.0748235	1	636	18	0.00766229
0.0581135	1	597	17	0.00835967
0.0695294	1	591	16	0.0092689
0.0270456	1	589	16	0.00774174
0.081996	1	700	19	0.00681485
0.112471	1	956	27	0.00827139
0.0746303	1	641	17	0.00464328
0.0789382	1	678	14	0.00687664
0.0424509	1	618	16	0.00805953
0.0680756	1	612	17	0.00814781
0.105059	1	893	24	0.00592327
0.0915278	1	780	18	0.00825374
0.112	1	952	23	0.00726506
0.0601176	1	511	15	0.00579086
0.0378156	1	635	18	0.00483749
0.035374	1	594	16	0.00821843
0.1	1	850	23	0.00790064
0.0972776	1	829	20	0.00840381
0.0689655	1	588	17	0.00898642
0.0996471	1	847	24	0.00827139
0.0718122	1	615	17	0.00964849
0.0690267	1	739	21	0.00624106
0.0585823	0.67659	739	21	0.00624106
0.0542686	1	581	16	0.0085627
0.012068	0.177281	581	16	0.0085627
0.0470417	0.960396	606	14	0.00738864
0.0752941	1	640	18	0.00888049
0.0805882	1	685	19	0.00722092
0.0550815	1	781	22	0.00759167
0.0623529	1	530	15	0.00791829
0.0104706	0.102064	872	24	0.00412246
0.129176	1	1098	26	0.00518176
0.109294	1	929	24	0.00796243
0.126301	1	1080	30	0.0072474
0.0937061	1	801	22	0.00833319
0.0606004	1	977	27	0.00721209
0.0176111	1	588	17	0.00671775
0.0685235	1	588	17	0.00671775
0.0211453	1	706	17	0.00778588
0.0822748	1	706	17	0.00778588
0.0828299	1	713	20	0.00786533
0.0812941	1	691	20	0.00867746

0.0707059	1	601	17	0.00966614
0.0645882	1	549	16	0.00883636
0.0608235	1	517	14	0.00919828
0.105059	1	893	25	0.00587913
0.0743529	1	632	17	0.00731802
0.0505799	1	628	18	0.00766229
0.0792626	1	675	19	0.00880987
0.0697511	1	594	17	0.0095249
0.0459619	1	1083	27	0.00755636
0.0791999	1	685	19	0.0077594
0.0351462	1	590	16	0.00409597
0.0694036	1	590	16	0.00409597
0.0253788	1	598	17	0.00926008
0.138941	1	1181	33	0.00887167
0.0732708	1	625	14	0.00569376
0.0745628	1	695	15	0.00762698
0.0835681	1	712	20	0.00926008
0.044958	1	642	18	0.00818312
0.0342437	1	642	18	0.00818312
0.0700847	1	596	15	0.0092689
0.0729412	1	620	14	0.00781236
0.098	1	833	24	0.0076005
0.041009	1	608	17	0.00879222
0.0925882	1	787	21	0.00691195
0.0695294	1	591	17	0.00731802
0.0744706	1	633	18	0.00764464
0.121412	1	1032	29	0.00527003
0.0690588	1	587	17	0.00624106
0.068	1	578	16	0.00582617
0.110471	1	939	27	0.00736216
0.0729508	1	623	18	0.00796243
0.0461992	1	423	11	0.00813015
0.0672783	1	616	17	0.00899525
0.0412305	1	646	17	0.00695609
0.0812941	1	691	19	0.00797126
0.0769412	1	654	19	0.00779471
0.117176	1	996	27	0.00911001
0.0765461	1	656	19	0.00762698
0.0729412	1	620	17	0.00768878
0.104235	1	886	23	0.00546424
0.0871501	1	744	21	0.00822726
0.0665882	1	566	11	0.00937483
0.105176	1	894	25	0.00752105
0.0724824	1	619	17	0.00820077
0.0839578	1	717	20	0.00825374
0.0405857	1	643	15	0.00525238
0.0404479	1	643	15	0.00525238



0.0751262	1	640	15	0.00524355
0.0600701	1	754	15	0.00859801
0.0806087	1	927	25	0.00908353
0.0150588	0.127363	1005	28	0.00735333
0.0440388	1	427	12	0.00715913
0.0914433	1	778	22	0.00873042
0.0847989	1	757	20	0.00838615
0.0406225	1	616	17	0.00534065
0.0724706	1	616	17	0.00534065
0.0432604	1	656	17	0.00901291
0.0701176	1	596	17	0.00844794
0.0532206	1	856	24	0.00804188
0.0702951	1	598	17	0.0072474
0.0702703	1	598	17	0.00843912
0.0691765	1	588	17	0.00655885
0.0703529	1	598	17	0.00813015
0.0536471	1	456	13	0.00648823
0.0727059	1	618	17	0.00669127
0.0831765	1	707	20	0.00707968
0.0747946	1	692	18	0.00849208
0.0769412	1	654	19	0.00756519
0.111059	1	944	26	0.00763581
0.0863529	1	734	19	0.00547307
0.0473987	1	594	17	0.00998393
0.0684843	1	633	17	0.00821843
0.0707562	1	654	18	0.00527003
0.0729412	1	620	15	0.00920711
0.070454	1	599	17	0.00729154
0.082	1	697	20	0.00831553
0.0783529	1	666	19	0.00682368
0.0697158	1	596	17	0.00884518
0.0698824	1	594	17	0.00949842
0.0758021	1	645	18	0.00472273
0.0500067	1	747	15	0.0042019
0.0693367	1	599	16	0.00843912
0.0448778	1	619	11	0.00972794
0.0728235	1	619	11	0.00972794
0.0862353	1	733	19	0.00651472
0.0718542	1	615	18	0.00901291
0.12079	1	1058	28	0.00918063
0.0692895	1	590	12	0.00484631
0.0762184	1	649	19	0.00814781
0.0689412	1	586	13	0.00535831
0.0793816	1	688	16	0.00467859
0.0685073	1	598	17	0.00843029
0.0734118	1	624	18	0.00973676
0.090208	1	772	22	0.00783002

0.0822353	1	699	20	0.00896877
0.0678419	1	635	18	0.00569376
0.115412	1	981	27	0.0081125
0.0845882	1	719	20	0.00562313
0.0762722	1	649	19	0.0073445
0.0840647	1	728	21	0.00617044
0.0853158	1	728	21	0.00617044
0.075738	1	644	18	0.00511997
0.060435	1	514	12	0.00789181
0.0466886	1	595	17	0.00661182
0.116824	1	993	28	0.00826257
0.0722353	1	614	17	0.00822726
0.0829725	1	709	20	0.0040077
0.0717647	1	610	17	0.00971911
0.0710135	1	611	17	0.00883636
0.0717642	1	611	17	0.00883636
0.0976864	1	836	19	0.00784767
0.104	1	884	21	0.00859801
0.0724688	1	627	18	0.00926008
0.116824	1	993	28	0.0085627
0.0754118	1	641	18	0.00879222
0.0719534	1	617	18	0.00530534
0.094001	1	1147	32	0.005323
0.0700682	1	596	17	0.00971911
0.0676612	1	576	15	0.00737099
0.0954955	1	848	23	0.00784767
0.0698824	1	594	17	0.00984269
0.0790545	1	699	20	0.00715913
0.0727294	1	619	12	0.00499638
0.0893402	1	761	22	0.00867746
0.120451	1	1026	28	0.00857153
0.136748	1	1164	32	0.00606451
0.0479594	1	624	17	0.00845677
0.0559527	1	728	21	0.00798891
0.0851661	1	728	21	0.00798891
0.0721637	1	617	18	0.00752988
0.0704324	1	601	17	0.00919828
0.0702639	1	599	17	0.00819195
0.0914668	1	820	23	0.00758285
0.082346	1	702	19	0.00775057
0.0944595	1	803	21	0.00646175
0.0765882	1	651	15	0.00753871
0.0750617	1	639	17	0.00869511
0.0703795	1	599	14	0.00640879
0.0828235	1	704	20	0.00721209
0.0875191	1	744	20	0.0080154
0.0473423	1	611	11	0.00822726

0.0566403	1	731	20	0.00488162
0.072	1	612	17	0.00661182
0.0717552	1	612	17	0.00661182
0.0852941	1	725	20	0.00721209
0.062934	1	725	20	0.00721209
0.0690255	1	595	15	0.00804188
0.0692415	1	597	12	0.00790946
0.0709049	1	619	15	0.00992214
0.0771031	1	659	17	0.00541128
0.0792941	1	674	18	0.0076005
0.0621439	1	578	16	0.00973676
0.0721176	1	613	16	0.00710616
0.0834202	1	720	20	0.00459914
0.0734561	1	634	17	0.00826257
0.0846947	1	731	21	0.00698257
0.0858824	1	730	20	0.00723857
0.075567	1	643	16	0.00595858
0.0337286	1	657	18	0.00680602
0.0310591	1	605	17	0.00969263
0.0749412	1	637	16	0.00753871
0.0975294	1	829	23	0.00721209
0.0688199	1	603	17	0.00784767
0.0511916	1	595	10	0.00883636
0.0698193	1	595	10	0.00883636
0.0713088	1	638	18	0.00424604
0.0818192	1	716	20	0.00805071
0.0734118	1	624	18	0.00723857
0.0568881	1	823	23	0.00790946
0.0583522	1	823	23	0.00790946
0.0377048	1	596	16	0.0082096
0.0636907	1	565	16	0.0071503
0.0666216	1	591	16	0.00896877
0.0622821	0.867314	618	11	0.00549072
0.0570588	0.78479	618	11	0.00549072
0.0897107	1	769	21	0.00617927
0.0668235	1	568	16	0.00531417
0.0764706	1	650	18	0.00629403
0.0818672	1	698	14	0.0084656
0.0721323	1	615	17	0.0080154
0.133054	1	1144	32	0.00768878
0.105839	1	910	22	0.00722092
0.096	1	816	22	0.00599389
0.0296474	1	544	15	0.00871277
0.0715294	1	608	17	0.00759167
0.10188	1	867	14	0.0057732
0.0812675	1	695	13	0.00485514
0.0755107	1	695	13	0.00485514

0.0770588	1	655	18	0.00472273
0.0702353	1	597	14	0.00865098
0.0693219	1	597	14	0.00865098
0.0703529	1	598	12	0.00793595
0.0750588	1	638	14	0.00756519
0.0694118	1	590	17	0.0088187
0.0190324	0.520259	617	16	0.00873925
0.0725882	1	617	16	0.00873925
0.074	1	629	18	0.00919828
0.0856782	1	746	21	0.00744161
0.111944	1	1001	28	0.00925125
0.0795124	1	711	16	0.00790064
0.120824	1	1027	29	0.00692961
0.0683529	1	581	16	0.0097809
0.0694705	1	593	17	0.00753871
0.0636898	1	542	16	0.00763581
0.0847182	1	729	20	0.00688547
0.0796242	1	678	14	0.00589679
0.071971	1	616	17	0.00971028
0.0712941	1	606	15	0.00790946
0.0832032	1	746	21	0.00592327
0.0574654	1	560	16	0.00909235
0.0702001	1	600	17	0.00752988
0.119765	1	1018	29	0.00664713
0.0716215	1	610	18	0.00926008
0.0762353	1	648	18	0.00411363
0.0892669	1	761	22	0.00888932
0.0729412	1	620	18	0.0085627
0.092	1	782	19	0.00544658
0.13098	1	1117	30	0.0078565
0.11257	1	960	26	0.00741512
0.0956471	1	813	22	0.00688547
0.101882	1	866	24	0.00466094
0.0846234	1	727	19	0.00871277
0.0724384	1	620	12	0.00784767
0.0887285	1	762	21	0.00491693
0.123661	1	1224	76	0.00855387
0.129319	1	1280	81	0.00859801
0.0604162	1	598	29	0.00990449
0.0729412	1	620	18	0.00980738
0.0848235	1	721	18	0.00642644
0.100081	1	985	71	0.00771526
0.0756665	1	667	19	0.00814781
0.0808674	1	951	27	0.00509348
0.0712625	1	613	14	0.0078565
0.0635294	1	540	11	0.00844794
0.0503015	1	684	19	0.00829788

0.0429475	1	584	17	0.00817429
0.0798412	1	684	20	0.00668244
0.0720319	1	614	17	0.00899525
0.100711	1	992	28	0.00589679
0.074548	1	635	37	0.00928656
0.102062	1	871	19	0.00627637
0.0753698	1	642	35	0.00855387
0.0822963	1	701	49	0.00727388
0.0456688	1	591	17	0.00971028
0.117529	1	999	27	0.00723857
0.108353	1	921	26	0.00518176
0.0264706	0.243243	925	26	0.00852739
0.108301	1	925	26	0.00852739
0.119412	1	1015	29	0.00918063
0.118839	1	1015	29	0.00918063
0.113294	1	963	51	0.00909235
0.125176	1	1064	29	0.00876573
0.086	1	731	20	0.00817429
0.0888235	1	755	16	0.005323
0.06901	1	589	17	0.0096838
0.0640793	1	672	16	0.00745043
0.0841264	1	716	17	0.00735333
0.0415668	1	815	23	0.00743278
0.0719467	1	615	17	0.00977207
0.0854072	1	731	20	0.00730919
0.0714286	1	610	16	0.00596741
0.0225969	1	461	11	0.00743278
0.0981423	1	840	21	0.00669127
0.0169632	1	574	17	0.00752105
0.0112595	1	381	11	0.00868629
0.0226077	1	765	17	0.00527886
0.00990011	1	335	10	0.00821843
0.0291093	1	985	28	0.00528769
0.0166085	1	562	16	0.00519941
0.0166085	1	562	16	0.00879222
0.0175838	1	595	17	0.00784767
0.0244104	1	826	19	0.00736216
0.0332171	1	1124	32	0.00828022
0.0718824	1	611	17	0.0085627
0.0394163	1	597	17	0.00981621
0.0582671	1	616	17	0.00847443
0.0582858	1	899	25	0.00928656
0.0792559	1	899	25	0.00928656
0.0825337	1	1273	35	0.00749457
0.112228	1	1273	35	0.00749457
0.0415586	1	641	18	0.00894229
0.0565106	1	641	18	0.00894229

0.0859602	1	739	15	0.00597624
0.0694887	1	742	21	0.00794477
0.0704887	1	600	16	0.00587913
0.0557984	1	600	16	0.00899525
0.0768235	1	653	18	0.00675306
0.0801177	1	681	20	0.00620575
0.168846	1	1446	40	0.00726506
0.08734	1	812	22	0.00835967
0.0941452	1	804	22	0.00556134
0.0815168	1	804	22	0.00556134
0.0822063	1	699	19	0.00669127
0.0686116	1	595	17	0.00729154
0.0586152	1	513	10	0.0097809
0.044979	1	589	17	0.00930421
0.0688235	1	585	10	0.00517293
0.0718894	1	624	15	0.00871277
0.0659029	1	604	17	0.00806836
0.128235	1	1090	29	0.00759167
0.0836471	1	711	20	0.00838615
0.0836471	1	711	19	0.00595858
0.0686022	1	612	18	0.00716795
0.0583363	1	500	12	0.00906587
0.054721	1	969	27	0.00777705
0.0971765	1	826	23	0.00843912
0.0694477	1	591	17	0.00719444
0.0666291	1	591	17	0.00719444
0.0746041	1	636	16	0.0068943
0.105294	1	895	25	0.00526121
0.0892857	1	760	19	0.00743278
0.0703712	1	599	16	0.0086245
0.0787671	1	690	19	0.00975442
0.0705882	1	600	14	0.00988683
0.0696831	1	596	17	0.00519941
0.120941	1	1028	29	0.0070532
0.101176	1	860	23	0.00778588
0.0936435	1	797	21	0.005323
0.0703529	1	598	17	0.00889815
0.0797467	1	680	19	0.00712381
0.0704706	0.935938	640	18	0.00669127
0.0750588	1	638	18	0.00808601
0.117765	1	1001	28	0.00793595
0.0763529	1	649	16	0.00822726
0.0914118	1	777	22	0.00667361
0.112118	1	953	26	0.00692961
0.0836854	1	713	20	0.00761816
0.0844706	1	718	20	0.00587913
0.0752789	1	641	18	0.00759167

0.0771765	1	656	17	0.00861567
0.0729412	1	620	18	0.00535831
0.0754144	1	646	18	0.00733567
0.096269	1	836	24	0.00517293
0.0404706	1	344	10	0.00975442
0.0718824	1	611	14	0.00985152
0.0647654	1	570	16	0.00646175
0.0707996	1	603	17	0.00946311
0.0703529	1	598	17	0.00799774
0.0704391	1	600	11	0.00657651
0.0373126	0.535893	599	17	0.00808601
0.0366888	1	597	17	0.00998393
0.0674771	1	605	17	0.00749457
0.0897647	1	763	22	0.00817429
0.0983716	1	882	20	0.00763581
0.0669606	1	881	25	0.00669127
0.0882353	1	750	19	0.00470507
0.0694028	1	602	17	0.00971028
0.0700945	1	608	17	0.00527886
0.0705882	1	600	17	0.00620575
0.0438512	1	731	21	0.00796243
0.0848152	1	725	19	0.00719444
0.0689412	1	586	17	0.00899525
0.0701198	1	597	17	0.00813015
0.0599013	1	510	10	0.00899525
0.0776266	1	662	19	0.00648823
0.0536977	1	790	22	0.00402535
0.07233	1	619	16	0.00744161
0.0409132	1	586	16	0.00895111
0.0921176	1	783	22	0.00873925
0.072	1	612	17	0.00937483
0.0729412	1	620	18	0.0060292
0.0939258	1	818	23	0.00712381
0.0408926	0.427873	818	23	0.00712381
0.0887059	1	754	21	0.00693844
0.0418484	1	595	17	0.00774174
0.033971	1	483	14	0.00888049
0.0763	1	650	18	0.00634699
0.0726375	1	618	18	0.00966614
0.0255487	0.528596	577	16	0.00603803
0.067269	1	618	17	0.00950725
0.119223	1	1037	29	0.00550838
0.0760554	1	654	19	0.00745926
0.0195751	1	587	17	0.00474921
0.0206756	1	620	14	0.00585265
0.0801683	1	686	19	0.00505817
0.0854892	1	727	21	0.00698257

0.0696427	1	610	17	0.00781236
0.0838166	1	766	22	0.00670892
0.0612941	1	521	10	0.00850091
0.0658715	1	602	16	0.00762698
0.0570559	1	600	17	0.0067354
0.0683616	1	605	17	0.00883636
0.0782345	1	670	19	0.00873925
0.0709412	1	603	16	0.00547307
0.0378173	1	587	16	0.00761816
0.0683432	1	587	16	0.00761816
0.068254	1	602	17	0.00715913
0.0711681	1	605	10	0.00681485
0.0719644	1	614	13	0.00745926
0.0971765	1	826	20	0.00729154
0.0741176	1	630	18	0.00747692
0.0811765	1	690	20	0.00814781
0.0724706	1	616	17	0.00871277
0.0699252	1	598	15	0.00505817
0.0875294	1	744	21	0.00914532
0.0597845	1	1021	24	0.00701788
0.0535191	1	914	26	0.00434314
0.072	1	612	17	0.00648823
0.0509412	1	433	11	0.00694727
0.0716369	1	614	17	0.00652354
0.0706166	1	615	17	0.00950725
0.0826097	1	704	20	0.00584382
0.0694945	1	598	12	0.00995745
0.106618	1	957	26	0.00880987
0.0797647	1	678	19	0.00845677
0.0696471	1	592	13	0.00935718
0.0801361	1	683	15	0.00560548
0.080268	1	683	15	0.00560548
0.112913	1	961	27	0.00453735
0.0642353	1	546	15	0.0078565
0.0737647	1	627	18	0.00777705
0.0723529	1	615	16	0.00919828
0.0776379	1	660	18	0.00895994
0.0708152	1	602	16	0.00526121
0.0697565	1	593	17	0.00798891
0.0783242	1	688	20	0.00929539
0.0697647	1	593	16	0.00833319
0.0593075	1	793	22	0.00759167
0.078445	1	793	22	0.00759167
0.0769902	1	706	20	0.00725623
0.0713866	1	607	17	0.00857153
0.103319	1	881	25	0.00647058
0.106235	1	903	22	0.00826257



0.0733772	1	624	12	0.00510231
0.0248208	1	606	17	0.00945428
0.0711818	1	618	17	0.00965731
0.112588	1	957	26	0.0060292
0.0914944	1	1080	29	0.00659416
0.0812559	1	691	19	0.00486397
0.0747792	1	652	18	0.00465211
0.0482123	1	596	17	0.00680602
0.0699941	1	596	17	0.00680602
0.0706407	1	602	17	0.00977207
0.066614	1	590	17	0.00869511
0.067917	1	612	17	0.00838615
0.0710243	1	640	16	0.00793595
0.116049	1	987	27	0.00867746
0.0628302	1	987	27	0.00867746
0.0657467	1	586	16	0.00980738
0.0640093	1	660	15	0.00919828
0.0809412	1	688	20	0.00855387
0.0697647	1	593	17	0.00827139
0.0692001	1	590	17	0.00988683
0.0694118	1	590	17	0.00988683
0.062709	1	769	20	0.00749457
0.0574085	1	704	20	0.00840381
0.0191571	1	620	18	0.0085627
0.0190953	1	618	13	0.00745043
0.0303424	1	982	26	0.00551721
0.0227104	1	735	21	0.00505817
0.0670759	1	590	17	0.00837732
0.0215054	1	696	15	0.00518176
0.0666212	1	586	12	0.00545541
0.0714118	1	607	10	0.00711499
0.0688731	1	591	17	0.00745043
0.0680683	1	586	17	0.00698257
0.0364813	1	603	17	0.0065412
0.088	1	748	19	0.00920711
0.0690453	1	985	21	0.00833319
0.0889642	1	761	19	0.00683251
0.0832941	1	708	20	0.00833319
0.0801177	1	681	18	0.00526121
0.0695294	1	591	17	0.00966614
0.0695846	1	593	15	0.0061881
0.111529	1	948	22	0.00501404
0.0725401	1	620	18	0.00876573
0.0875716	1	780	22	0.00738864
0.110305	1	943	33	0.00813015
0.0584465	1	848	20	0.00561431
0.0767059	1	652	17	0.00719444

0.0609412	1	518	29	0.00995745
0.0837035	1	716	21	0.0056761
0.0423194	1	362	10	0.00745043
0.0417647	1	355	10	0.00919828

ACCEPTED MANUSCRIPT

Fraction of negatively enriched windows in region	MAT-score on T(HETC vs. HETHF)
1	-4.01352
1	-4.02308
1	-4.02143
0	4.07831
0	4.20634
1	-3.95537
0	3.97402
0	4.06865
0	4.02781
0	4.08547
1	-4.00644
1	-4.09453
0	4.0922
0	4.04263
1	-4.14176
0	4.05053
1	-3.97099
1	-4.06227
0	4.22339
0	4.26052
1	-4.1198
1	-4.35159
1	-4.51394
1	-4.01274
1	-4.01274
0	4.2115
0	4.2115
1	-4.03848
1	-4.08018
1	-4.0636
1	-4.33668
1	-4.14719
1	-4.3606
1	-4.03952
1	-4.14409
0	4.17989
1	-4.34951
1	-4.41089
1	-4.11402
0	4.34597
0	4.12257
0	3.97783
0	4.0771
0	4.10253

1	-4.09706
1	-3.98994
1	-3.973
1	-4.10853
1	-4.11591
1	-4.06419
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ACCEPTED MANUSCRIPT

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19	5360813	5369312 NM_027236	chr19	5366442	5367057
19	5363848	5372651 NM_001038231	chr19	5366442	5367057
9	5302860	5311373 NM_007609	chr9	5304880	5305469
2	5212332	5220831 BC025011	chr2	5215010	5215852
19	5142652	5151151 BC034670	chr19	5148885	5149516
16	5045232	5053802 NM_008909	chr16	5047348	5048065
19	5032826	5043909 NM_175383	chr19	5034669	5035277
1	5007008	5015716 NM_021374	chr1	5009174	5009771
11	4993441	5002667 NM_177370	chr11	4998594	4999681
11	4996559	5005080 NM_007968	chr11	4998594	4999681
19	4833415	4841914 NM_207268	chr19	4840082	4840718
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16	4792526	4801046 BC064081	chr16	4796328	4797464
5	4761478	4769977 NM_021457	chr5	4765242	4765994
5	4761478	4769977 NM_021457	chr5	4762756	4763468
12	4749571	4758070 NM_029107	chr12	4753555	4754146
6	4691306	4699879 NM_130877	chr6	4697830	4698634
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19	4612333	4621502 NM_153388	chr19	4620971	4621461
11	4598681	4607180 NM_026015	chr11	4600534	4601077
10	4516598	4525097 NM_175374	chr10	4522110	4522902
16	4503941	4512622 NM_031184	chr16	4510100	4510743
11	4492292	4500802 NM_028860	chr11	4492556	4493144
7	4353490	4362181 NM_183405	chr7	4355698	4356296
12	4349481	4357984 U64606	chr12	4352277	4352930
19	4303456	4312014 NM_130863	chr19	4305300	4305895
8	4273404	4281903 NM_011592	chr8	4275547	4276142
12	4239070	4247926 NM_134046	chr12	4240030	4240673
19	4225937	4234498 NM_027196	chr19	4232026	4233015
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19	4208392	4216916 NM_019952	chr19	4214244	4214847
5	4192373	4200891 NM_001042670	chr5	4192477	4193086
19	4142663	4158371 NM_011778	chr19	4150325	4151078



16	4126133	4134632	NM_001025432	chr16	4127740	4128337
19	4091351	4103627	NM_008851	chr19	4099798	4100446
4	4063087	4071592	NM_001002927	chr4	4065354	4065932
19	4035413	4048221	NM_013541	chr19	4035490	4036407
4	3944230	3952810	NM_181989	chr4	3948842	3949432
19	3921406	3935737	NM_026316	chr19	3928758	3929556
19	3929219	3946181	NM_019449	chr19	3928758	3929556
6	3915855	3924359	NM_009364	chr6	3917678	3918611
19	3902207	3918735	NM_016921	chr19	3915522	3916130
19	3902207	3918735	NM_016921	chr19	3903710	3904315
4	3898226	3906728	BC080838	chr4	3902705	3903365
11	3890912	3904959	AB032939	chr11	3898204	3898813
11	3890912	3904959	AB032939	chr11	3894218	3894792
8	3851787	3860308	NM_130905	chr8	3853494	3854085
4	3760235	3768747	NM_026147	chr4	3761928	3762544
7	3750355	3758959	NM_175529	chr7	3751966	3752559
16	3653331	3662020	NM_148924	chr16	3653705	3654358
5	3596072	3604571	NM_027777	chr5	3597098	3597842
13	3571939	3580853	BC016423	chr13	3574307	3575183
11	3544467	3562794	BC057363	chr11	3546839	3548000
13	3531321	3540014	NM_008112	chr13	3533964	3534587
8	3509384	3517924	NM_015801	chr8	3515209	3515912
6	3441999	3450498	NM_178899	chr6	3448772	3449408
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2	3427515	3436086	NM_015765	chr2	3432583	3433175
11	3408705	3417536	NM_053267	chr11	3415596	3416187
2	3389733	3398236	NM_022724	chr2	3390676	3391285
18	3322978	3333517	NM_013498	chr18	3325248	3325903
11	3268880	3277395	NM_173053	chr11	3274180	3274783
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7	3109463	3117962	BC060682	chr7	3115944	3116717
11	3042349	3050848	BC048950	chr11	3044205	3045366
11	3018018	3032526	NM_001004146	chr11	3026805	3028580
Y	1946029	1954528	NM_011564	chrY	1951160	1951835
13_random	120625	138341	NM_145942	chr13_random	132403	133022
13_random	120625	138341	NM_145942	chr13_random	122578	123189
15_random	4000	12528	NM_009268	chr15_random	8067	8704

gene overlap percent	region overlap percent	length(bps)	probes in region	p-value(region)
0.0357121	1	595	17	0.00984269
0.0489767	1	816	23	0.00634699
0.0893816	1	782	22	0.00680602
0.0765444	1	653	14	0.00885401
0.0821053	1	702	14	0.00565844
0.0944246	1	818	23	0.00504052
0.0710261	1	605	17	0.00889815
0.0706776	1	605	17	0.00889815
0.0714118	1	607	13	0.00818312
0.109529	1	931	19	0.00573789
0.0712941	1	606	17	0.00863332
0.0384865	1	593	14	0.0049081
0.0717647	1	610	16	0.00798891
0.072627	1	619	16	0.00867746
0.0515708	1	806	19	0.00626754
0.0784678	1	676	18	0.00913649
0.0749266	1	638	14	0.00459914
0.0710588	1	604	14	0.00595858
0.097219	1	832	17	0.00798891
0.0677259	1	601	17	0.00877456
0.106118	1	902	23	0.00568493
0.0717647	1	610	11	0.00980738
0.0765702	1	651	18	0.0095249
0.0725712	1	617	13	0.00922477
0.0724706	1	616	14	0.00923359
0.0883	1	763	15	0.00498755
0.0668305	1	571	13	0.00576437
0.0411344	1	380	11	0.00970145
0.0745153	1	638	18	0.0072474
0.0692941	1	589	17	0.0090747
0.079102	1	673	18	0.00555251
0.0690585	1	589	13	0.00930421
0.0705389	1	606	10	0.00938366
0.0387825	1	646	19	0.00576437
0.0707059	1	601	17	0.00783884
0.0725359	1	641	18	0.0089776
0.117348	1	1037	27	0.00633817
0.086901	1	749	21	0.00623224
0.0755807	1	654	13	0.00849208
0.109987	1	935	21	0.00899525
0.0499941	0.385662	1102	23	0.00529652
0.0705882	1	600	17	0.00634699
0.0552291	0.76175	617	17	0.0083685
0.0725882	1	617	17	0.0083685

0.0735192	1	633	18	0.00918063
0.0724706	1	616	17	0.00924242
0.0406682	1	689	14	0.00896877
0.0757647	1	644	15	0.00588796
0.0888235	1	755	18	0.00642644
0.070054	1	597	17	0.00982504
0.129294	1	1099	31	0.00563196
0.0475725	1	828	23	0.0099398
0.0735243	1	639	13	0.00728271
0.070993	1	617	11	0.00984269
0.0608337	1	988	28	0.00514645
0.0721176	1	613	17	0.00961318
0.0981176	1	834	18	0.0065412
0.0690588	1	587	17	0.00882753
0.0905882	1	770	20	0.00486397
0.130588	1	1110	29	0.00635582
0.0954118	1	811	20	0.00602037
0.0842056	1	716	18	0.00515528
0.0937244	1	802	21	0.0039459
0.12616	1	1074	28	0.0054201
0.0443457	1	589	13	0.00756519
0.0613031	1	589	13	0.00756519
0.105412	1	896	25	0.00981621
0.0887068	1	758	21	0.00950725
0.0855471	1	731	21	0.00844794
0.0817035	1	706	20	0.00837732
0.0758266	1	649	18	0.00676189
0.0525388	1	447	12	0.00895994
0.0407978	1	673	17	0.00693844
0.0498824	1	424	11	0.00911001
0.0691223	1	593	17	0.0095867
0.0709753	1	604	17	0.00675306
0.0722353	1	614	16	0.00741512
0.0722353	1	614	16	0.00741512
0.0714118	1	607	14	0.00911884
0.0664706	1	565	16	0.00873925
0.12838	1	1111	25	0.00585265
0.115059	1	978	26	0.00932187
0.11491	1	978	26	0.00932187
0.0849412	1	722	20	0.00529652
0.113293	1	1004	28	0.0043608
0.072316	1	617	14	0.00932187
0.0724434	1	617	14	0.00932187
0.0709412	1	603	14	0.00682368
0.0716471	1	609	17	0.00992214
0.0664025	1	620	18	0.00765347
0.0704706	1	599	17	0.00900408

0.0705882	1	600	16	0.00834201
0.103882	1	883	23	0.00443142
0.0791046	1	728	20	0.0060292
0.086	1	731	21	0.00560548
0.0822571	1	707	20	0.00559665
0.0231465	0.309748	636	17	0.00986035
0.0709505	1	636	17	0.00986035
0.0818824	1	696	20	0.0082096
0.0397811	1	349	10	0.00986035
0.0637647	0.903333	600	17	0.00895111
0.0705882	1	600	17	0.00895111
0.101412	1	862	24	0.005067
0.0851765	1	724	21	0.00974559
0.0673575	1	611	15	0.00787415
0.0671872	1	611	15	0.00787415
0.07213	1	617	10	0.00643527
0.0890169	1	757	19	0.00619692
0.107882	1	917	18	0.00411363
0.0824189	1	706	20	0.00912766
0.07972	1	706	20	0.00912766
0.08253	1	702	16	0.00530534
0.0704866	1	604	17	0.00812133
0.0682773	1	585	15	0.00991331
0.0715453	1	613	13	0.00695609
0.111882	1	951	27	0.00442259
0.0488567	1	594	17	0.00999276
0.0827651	1	704	20	0.00640879
0.0626953	1	642	18	0.00697375
0.0847854	1	725	18	0.00922477
0.0853859	1	728	15	0.00459914
0.0722496	1	616	18	0.00919828
0.0738916	1	630	11	0.00425487
0.0768147	1	654	16	0.00782119
0.0690588	1	587	17	0.00990449
0.0620512	1	942	25	0.00569376
0.0812397	1	692	20	0.00659416
0.104269	1	889	25	0.00572907
0.0729371	1	632	18	0.00885401
0.0707422	1	611	16	0.00680602
0.0680174	1	611	17	0.00657651
0.0730588	1	621	17	0.0064794
0.0728788	1	621	17	0.0064794
0.060241	1	630	17	0.00824491
0.0837543	1	713	20	0.00549955
0.0722353	1	614	12	0.0095867
0.0654588	1	560	13	0.00885401
0.0888498	1	757	15	0.00454618

0.0525326	1	447	11	0.00738864
0.0808531	1	690	20	0.00984269
0.0612842	1	838	22	0.00573789
0.0690588	1	587	17	0.0083685
0.0695294	1	591	16	0.00617927
0.0735294	1	625	18	0.00629403
0.0263034	0.379661	590	17	0.00858918
0.0647059	1	550	16	0.00873042
0.0931735	1	793	21	0.00468742
0.0894891	1	762	21	0.00492576
0.119646	1	1042	26	0.00566727
0.107647	1	915	15	0.00865981
0.0766612	1	653	17	0.00498755
0.0997897	1	854	24	0.00617044
0.130695	1	1113	31	0.00486397
0.109326	1	932	26	0.00782119
0.0923529	1	785	22	0.00995745
0.0396556	1	525	14	0.00895111
0.0698824	1	594	17	0.00923359
0.0738824	1	628	18	0.00723857
0.0594482	0.737822	698	19	0.00450204
0.0948863	1	822	22	0.00554369
0.0676471	1	575	16	0.00864215
0.103315	1	882	25	0.00519941
0.103765	1	882	25	0.00519941
0.0692082	1	590	10	0.00924242
0.0769231	1	654	18	0.00868629
0.0711765	1	605	10	0.00904822
0.0763529	1	649	18	0.00619692
0.0634874	1	651	14	0.00616161
0.0739136	1	631	18	0.00589679
0.0601176	1	511	10	0.00964849
0.0573508	1	520	15	0.00630285
0.0722255	1	615	16	0.00991331
0.0549009	1	615	16	0.00991331
0.0944706	1	803	15	0.00428135
0.0401176	0.424658	803	15	0.00428135
0.0475702	1	557	11	0.00688547
0.075304	1	644	18	0.00999276
0.0614701	1	526	15	0.0095249
0.0698741	1	594	13	0.00586148
0.0499195	1	620	18	0.00946311
0.0383283	1	653	18	0.00564079
0.0457612	1	529	15	0.00936601
0.0310501	1	529	15	0.00936601
0.0587059	1	499	14	0.0074063
0.0853687	1	734	21	0.00615279

0.0914118	1	777	22	0.00640879
0.0416197	1	664	19	0.00528769
0.0759732	1	646	19	0.00986918
0.0690345	1	587	17	0.00919828
0.0684309	1	587	17	0.00919828
0.0324591	0.463866	595	13	0.00777705
0.0386965	1	608	17	0.00991331
0.0476706	1	749	20	0.00563196
0.06922	1	591	15	0.009878
0.109755	1	935	20	0.00814781
0.0725589	1	619	16	0.00844794
0.0760125	1	655	18	0.00624989
0.0702237	1	612	17	0.0085627
0.096	1	816	23	0.0060292
0.0761257	1	705	20	0.00615279
0.0418259	1	602	12	0.00880104
0.107529	1	914	25	0.00514645
0.0672886	1	577	13	0.00920711
0.0196535	0.540728	577	13	0.00920711
0.0675086	1	588	17	0.00831553
0.0695971	1	988	26	0.00868629
0.0953108	1	811	23	0.005323
0.0922353	1	784	22	0.00759167
0.0455294	1	387	11	0.00970145
0.0727059	1	618	13	0.00514645
0.0742353	1	631	17	0.00961318
0.0780172	1	746	19	0.00655003
0.0815729	1	780	22	0.00637347
0.0887532	1	756	21	0.00551721
0.122941	1	1045	28	0.0059321
0.094	1	799	20	0.00397239
0.0702353	1	597	17	0.00979856
0.0783529	1	666	13	0.00643527
0.0882353	1	780	20	0.00547307
0.0716131	1	610	10	0.00754754
0.0707328	1	610	10	0.00754754
0.0807059	1	686	18	0.00843912
0.0651765	1	554	16	0.00990449
0.0943529	1	802	23	0.00984269
0.0398082	1	523	15	0.0065412
0.061141	1	523	15	0.0065412
0.131585	1	1119	30	0.00492576
0.110395	1	976	21	0.00636465
0.154941	1	1317	37	0.0099398
0.0915385	1	780	21	0.00660299
0.0913884	1	780	21	0.00660299
0.0887125	1	760	19	0.00585265

0.0841176	1	715	20	0.00554369
0.0523323	1	451	12	0.00971028
0.037603	1	598	17	0.0068943
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0.0774118	1	658	16	0.00948959
0.113176	1	962	23	0.00605568
0.0714118	1	607	16	0.0073445
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0.0689412	1	586	16	0.00981621
0.0710588	1	604	17	0.00695609
0.100165	1	852	24	0.00913649
0.0955294	1	812	17	0.0060292
0.0792941	1	674	19	0.0065412
0.112259	1	967	27	0.00542893
0.0705775	1	616	17	0.00954256
0.0992941	1	844	24	0.00623224
0.0675985	1	590	15	0.00923359
0.0719737	1	613	17	0.00753871
0.0722353	1	614	17	0.00652354
0.0685399	1	583	11	0.00828022
0.06726	1	597	17	0.00715913
0.0884407	1	785	21	0.00502286
0.0889412	1	756	21	0.00935718
0.119647	1	1017	28	0.00983387
0.119647	1	1017	28	0.00983387
0.0722807	1	618	12	0.00888049
0.0525511	1	447	13	0.00885401
0.0938086	1	850	17	0.00626754
0.0686286	1	590	17	0.00976324
0.0711769	1	606	16	0.00648823
0.110406	1	940	26	0.00446673
0.109882	1	934	25	0.00527003
0.0844452	1	1038	29	0.00422839
0.102048	1	872	25	0.00603803
0.105294	1	895	25	0.00441376
0.056962	1	756	22	0.00821843
0.072738	1	619	17	0.00918063
0.0161745	1	603	16	0.00730036
0.0911765	1	775	15	0.00504052
0.0958056	1	820	23	0.00759167
0.0651982	1	592	17	0.00564079
0.0730376	1	629	18	0.00589679
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0.0702353	1	597	15	0.00684133
0.0710038	1	609	17	0.00982504
0.0732037	1	704	20	0.00629403
0.0803785	1	773	22	0.00623224
0.054064	1	586	16	0.00826257
0.0670726	1	727	20	0.00486397
0.0723529	1	615	17	0.00694727
0.0573147	1	610	13	0.00427252
0.0695294	1	591	17	0.00905704
0.0832648	1	709	20	0.00819195
0.0582616	1	982	27	0.00615279
0.0764899	1	652	18	0.00624989
0.0765348	1	652	18	0.00624989
0.0948235	1	806	22	0.00482866
0.0795268	1	679	14	0.00966614
0.108302	1	921	25	0.00475804
0.0711765	1	605	13	0.00399004
0.0761176	1	647	16	0.00961318
0.0721984	1	623	16	0.00655003
0.06838	1	596	11	0.0070532
0.0722353	1	614	17	0.00966614
0.0843388	1	720	20	0.00887167
0.0714118	1	607	17	0.00834201
0.0719467	1	615	13	0.00919828
0.0687389	1	659	17	0.00531417
0.086	1	731	19	0.00653237
0.0934288	1	809	22	0.00651472
0.0401334	1	746	19	0.00554369
0.0531886	1	588	16	0.00762698
0.0184662	0.271157	579	11	0.00946311
0.0740924	1	749	20	0.00648823
0.0793937	1	749	20	0.00648823
0.0506479	1	512	13	0.0064441
0.0542718	1	512	13	0.0064441
0.104812	1	893	25	0.00568493
0.00164396	0.0336538	624	18	0.0077594
0.116189	1	989	28	0.00594975
0.069632	1	598	17	0.0064794
0.105294	1	895	24	0.00529652
0.0705662	1	602	14	0.00847443
0.0897119	1	763	22	0.00932187
0.0922798	1	814	22	0.00636465
0.0404422	1	611	14	0.00498755
0.100667	1	860	21	0.005323
0.0823267	1	702	17	0.00623224
0.106235	1	903	25	0.00422839
0.0718824	1	611	16	0.00939249



0.0832057	1	1032	25	0.00478452
0.0735274	1	1051	28	0.00639996
0.0501609	1	717	21	0.00428135
0.0757841	1	650	18	0.0077594
0.0703529	1	598	17	0.00965731
0.0717715	1	613	17	0.00853622
0.0694118	1	590	15	0.00932187
0.0506951	1	795	23	0.00643527
0.0695489	1	592	17	0.00737099
0.074	1	629	17	0.00911884
0.0396333	1	441	13	0.00981621
0.0514406	1	441	13	0.00981621
0.0831778	1	713	20	0.00660299
0.0708328	1	603	11	0.00910118
0.0802353	1	682	20	0.00745926
0.0971765	1	826	23	0.00545541
0.139824	1	1271	35	0.00531417
0.0481565	1	751	20	0.00495224
0.0946406	1	807	23	0.00609982
0.156425	1	1339	37	0.00647058
0.0834947	1	776	22	0.00510231
0.131013	1	1114	29	0.00504052
0.0732874	1	628	16	0.00579086
0.101765	1	865	17	0.00565844
0.0603862	1	516	15	0.00863332
0.0361844	1	591	17	0.00901291
0.0933239	1	794	22	0.00604686
0.107714	1	916	22	0.00631168
0.0860859	1	748	17	0.00491693
0.0965882	1	821	23	0.00531417
0.0638171	1	748	21	0.009622
0.088	1	748	21	0.009622
0.08344	1	978	26	0.00498755
0.115059	1	978	26	0.00498755
0.0595048	1	596	17	0.00845677
0.102118	1	868	25	0.00659416
0.0722353	1	614	10	0.00835967
0.0390364	1	619	16	0.00761816
0.0394413	1	658	19	0.00609982
0.0466485	1	753	22	0.00986035
0.0897647	1	763	18	0.0044579
0.0372594	1	571	17	0.00620575
0.0591803	1	927	26	0.00866863
0.0435753	1	605	17	0.0090747
0.0517862	1	719	20	0.00504935
0.0765882	1	651	17	0.00899525
0.0742353	1	631	18	0.00956021

0.0718824	1	611	16	0.00949842
0.0483572	1	808	23	0.005835
0.0709761	1	605	16	0.00933952
0.0942353	1	801	20	0.00604686
0.0827059	1	703	20	0.00999276
0.0745882	1	634	18	0.00810367
0.0668495	1	658	19	0.00780354
0.0380846	1	614	10	0.00977207
0.0808235	1	687	16	0.00486397
0.0356586	1	595	16	0.00561431
0.0667851	1	639	18	0.0069914
0.0345091	1	587	17	0.00945428
0.064153	1	587	17	0.00945428
0.067195	1	585	16	0.00825374
0.0941176	1	800	19	0.00973676
0.08	1	680	19	0.00868629
0.0744979	1	638	16	0.00995745
0.0685954	1	588	16	0.00756519
0.0723529	1	615	10	0.00640879
0.0719298	1	615	10	0.00640879
0.0689412	1	586	16	0.00759167
0.0394183	1	618	16	0.00745926
0.0690747	1	589	17	0.00864215
0.0446153	1	766	21	0.00888049
0.112077	1	954	22	0.00521707
0.0718057	1	612	17	0.00617044
0.071202	1	606	17	0.00956021
0.0715371	1	942	27	0.00777705
0.108706	1	924	21	0.00409597
0.0278623	1	586	13	0.00828905
0.0764623	1	651	18	0.00609099
0.0693777	1	592	11	0.00971028
0.0691028	1	590	16	0.00566727
0.0961176	1	817	21	0.00504935
0.0401625	1	593	17	0.00990449
0.0703529	1	598	17	0.00660299
0.0882762	1	826	23	0.00412246
0.0692868	1	714	20	0.00529652
0.0596171	1	875	23	0.004555
0.0693811	1	593	12	0.00454618
0.0664102	1	587	16	0.00904822
0.0551916	1	674	18	0.00505817
0.0487226	1	595	17	0.0078565
0.0764616	1	650	16	0.00627637
0.0464437	1	604	14	0.00527003
0.0576997	1	604	14	0.00527003
0.0488671	1	647	18	0.00971028

0.0975294	1	829	23	0.00635582
0.0898323	1	766	19	0.00399887
0.0899483	1	766	19	0.00399887
0.0729412	1	620	17	0.00685899
0.072924	1	620	18	0.00996628
0.104392	1	896	23	0.00707968
0.0612839	1	526	15	0.00915415
0.116422	1	1001	27	0.00747692
0.129176	1	1098	29	0.0084656
0.0748235	1	636	18	0.00944545
0.06	1	510	14	0.00896877
0.072	1	612	15	0.00779471
0.0980946	1	834	23	0.00402535
0.0670588	1	570	11	0.00805953
0.100147	1	888	24	0.00529652
0.0747716	1	663	17	0.00960435
0.0752726	1	642	18	0.00861567
0.0411765	1	350	10	0.00957787
0.0899358	1	798	17	0.00656768
0.0703912	1	601	17	0.00759167
0.0696885	1	595	17	0.009622
0.0748235	1	636	18	0.00636465
0.0815294	1	693	19	0.009622
0.0777518	1	664	19	0.00403418
0.068267	1	583	13	0.0090747
0.0668235	1	568	11	0.00999276
0.0695294	1	591	17	0.00973676
0.0716471	1	609	17	0.00918063
0.0704159	1	601	17	0.00729154
0.07137	1	609	17	0.00921594
0.0497647	1	423	12	0.00935718
0.0707071	1	616	14	0.00756519
0.0676471	1	575	16	0.00995745
0.0749861	1	676	19	0.00713264
0.0763946	1	656	18	0.00505817
0.0756022	1	656	18	0.00505817
0.0717647	1	610	16	0.00777705
0.0978644	1	834	20	0.00861567
0.0713698	1	607	13	0.00771526
0.0675011	1	906	22	0.00409597
0.0716471	1	609	17	0.00922477
0.0754241	1	658	19	0.0065412
0.0561343	1	652	13	0.00847443
0.0831623	1	770	21	0.00579969
0.0817583	1	757	21	0.00492576
0.0995294	1	846	22	0.00614396
0.0790588	1	672	19	0.00607334

0.0517302		1	586	16	0.00895111
0.0757113		1	644	17	0.00984269
0.0715294		1	608	16	0.00423721
0.0943509		1	947	26	0.00636465
0.0699753		1	595	16	0.00693844
0.07		1	595	16	0.00693844
0.0785882		1	668	19	0.00937483
0.0721698		1	619	11	0.00895111
0.0365674		1	620	10	0.00498755
0.0683063		1	661	19	0.00486397
0.00505788	0.0508475		885	25	0.00537597
0.091454		1	885	25	0.00537597
0.136563		1	1215	34	0.00552603
0.125555		1	1215	34	0.00552603
0.0992469		1	883	20	0.00895111
0.0912473		1	883	20	0.00895111
0.0253202		1	937	24	0.00476687
0.111778		1	968	27	0.00505817
0.0648961	0.991182		567	15	0.00915415
0.0842723		1	718	21	0.00447556
0.0844706		1	718	21	0.00447556
0.0413417		1	599	17	0.00826257
0.0658245		1	568	16	0.00873925
0.0667607		1	568	16	0.00873925
0.0706726		1	601	17	0.00737099
0.0673842		1	601	17	0.00737099
0.0734689		1	625	18	0.00508466
0.040913		1	613	18	0.00722974
0.0950988		1	813	23	0.00829788
0.0698439		1	595	14	0.00921594
0.0698491		1	597	17	0.00861567
0.0689735		1	598	17	0.00923359
0.0957697		1	815	20	0.00578203
0.0734118		1	624	17	0.00635582
0.06639		1	624	17	0.00635582
0.0455105		1	592	17	0.00966614
0.054465		1	874	25	0.00574672
0.0604706		1	514	15	0.00561431
0.0723684		1	616	17	0.00607334
0.0724706		1	616	17	0.00607334
0.0730588		1	621	17	0.00882753
0.033721		1	548	13	0.00983387
0.0359363		1	584	16	0.0089158
0.0635776		1	590	16	0.00623224
0.0697647		1	593	17	0.00885401
0.0674118		1	573	10	0.00707968
0.0788362		1	672	19	0.005067

0.0958168	1	820	23	0.00492576
0.0894082	1	769	21	0.0092689
0.0739375	1	802	23	0.00519941
0.0572393	1	712	19	0.00425487
0.0496021	1	617	18	0.00627637
0.0772941	0.58871	1116	31	0.00465211
0.131155	1	1116	31	0.00465211
0.110706	1	941	26	0.00535831
0.0887296	0.802338	941	26	0.00535831
0.075722	1	645	17	0.0063823
0.00396964	0.0527132	645	17	0.0063823
0.0393392	1	743	20	0.00637347
0.0867059	1	737	21	0.00545541
0.0729154	1	620	18	0.00657651
0.0403605	1	627	17	0.00474921
0.0409193	1	584	17	0.00552603
0.0842353	1	716	20	0.00529652
0.0704077	1	601	17	0.00758285
0.0859655	1	743	21	0.00843029
0.094415	1	803	22	0.00715913
0.0705031	1	604	17	0.00624106
0.0238394	1	589	16	0.00781236
0.0155422	1	384	11	0.00719444
0.0317724	1	785	22	0.00630285
0.083245	1	942	26	0.00648823
0.0600035	1	679	18	0.00922477
0.0729412	1	620	11	0.00827139
0.0402921	1	596	17	0.00882753
0.0335567	1	571	16	0.00526121
0.0782977	1	666	16	0.0057732
0.0911644	1	779	22	0.00627637
0.064	1	544	14	0.00946311
0.0994866	1	872	20	0.00920711
0.106471	1	905	22	0.00971911
0.0714118	1	607	17	0.00671775
0.0653073	1	868	24	0.00584382
0.0702353	1	597	12	0.00979856
0.083734	1	714	19	0.00619692
0.117157	1	999	20	0.0065412
0.0496603	1	424	11	0.00882753
0.0682107	1	645	19	0.0072474
0.049163	1	605	17	0.00714147
0.0789412	1	671	18	0.00821843
0.114165	1	1051	26	0.00606451
0.0988235	1	840	18	0.00478452
0.0735363	1	628	17	0.00564962
0.0515387	1	618	18	0.00967497

0.0497873	1	597	16	0.00979856
0.0700117	1	600	17	0.00943663
0.0756086	1	646	18	0.0077594
0.0889412	1	756	21	0.00827139
0.0808858	1	694	19	0.00574672
0.123882	1	1053	30	0.00635582
0.0711765	1	605	17	0.00920711
0.0390846	0.898438	384	11	0.0089776
0.0747236	1	669	19	0.00627637
0.076678	1	674	15	0.00655003
0.082364	1	701	19	0.00520824
0.061154	1	815	20	0.00961318
0.0676097	1	607	16	0.00986035
0.0721154	1	615	13	0.00617927
0.0712941	1	606	15	0.00899525
0.111162	1	967	26	0.00456383
0.0731765	1	622	17	0.00845677
0.0585882	1	498	14	0.00756519
0.0687849	1	591	17	0.00759167
0.0418824	1	356	10	0.00996628
0.0873052	1	773	20	0.0054201
0.071619	1	618	16	0.00954256
0.0721176	1	613	15	0.00745926
0.111882	1	951	27	0.00504052
0.0570349	1	604	17	0.00495224
0.0655294	1	557	16	0.00624989
0.0664706	1	565	13	0.0093307
0.0655972	1	597	11	0.00932187
0.0711765	1	605	17	0.00931304
0.106664	1	922	25	0.00550838
0.074	1	629	17	0.00855387
0.0720826	1	614	17	0.00939249
0.017074	0.237785	614	17	0.00939249
0.0709345	1	605	17	0.00932187
0.108824	1	925	22	0.00637347
0.0807059	1	686	20	0.00827139
0.0684371	1	585	16	0.00777705
0.0477105	1	596	13	0.00690313
0.0439663	1	376	11	0.00684133
0.0440494	1	721	19	0.0054201
0.0555919	1	680	16	0.00598506
0.0795973	1	680	16	0.00598506
0.0625882	1	532	15	0.00980738
0.0501176	1	426	10	0.00752988
0.0788235	1	670	12	0.00662947
0.0645882	1	549	11	0.00992214
0.156471	1	1330	37	0.00985152

0.107861	1	1014	29	0.00584382
0.0694428	1	597	15	0.00973676
0.0904206	1	774	21	0.00529652
0.0736541	1	669	18	0.00469624
0.0596471	1	507	15	0.00921594
0.0754118	1	641	18	0.00798891
0.0928235	1	789	22	0.00986035
0.125973	1	1101	30	0.00398121
0.00882145	0.0681199	1101	30	0.00398121
0.0702672	1	618	18	0.00919828
0.0738824	1	628	17	0.00749457
0.0670313	1	576	13	0.00819195
0.0933888	1	808	22	0.005579
0.0762722	1	649	18	0.00849208
0.0707059	1	601	17	0.00854505
0.0695493	1	608	14	0.0069914
0.0707635	1	608	14	0.0069914
0.0395965	1	683	19	0.00617927
0.0391423	1	617	17	0.00737981
0.0393326	1	620	18	0.00636465
0.0389946	1	619	17	0.00845677
0.0577264	1	619	17	0.00845677
0.0834801	1	711	19	0.00497873
0.0831579	1	711	19	0.00497873
0.0922353	1	784	21	0.00437845
0.074	1	629	13	0.00527003
0.0934974	1	798	23	0.0061881
0.115565	1	983	27	0.00414011
0.0689776	1	589	16	0.00920711
0.0676152	1	575	16	0.0065412
0.0720784	1	618	17	0.00888932
0.0524109	1	675	19	0.00627637
0.070726	1	604	16	0.00986035
0.0700186	1	603	16	0.00624989
0.0717225	1	610	17	0.00993097
0.113997	1	983	27	0.00558783
0.0895294	1	761	21	0.00716795
0.0892355	1	761	21	0.00716795
0.071571	1	610	17	0.00675306
0.0504212	1	796	21	0.00495224
0.0936471	1	796	21	0.00495224
0.0722157	1	616	17	0.00691195
0.10422	1	889	25	0.00564962
0.0365154	1	700	20	0.00675306
0.135556	1	1159	32	0.00520824
0.0805882	1	685	19	0.00491693
0.0694085	1	616	16	0.0064794

0.0708235	1	602	16	0.00762698
0.0658117	1	585	16	0.00971028
0.0702353	1	597	16	0.009878
0.0715294	1	608	17	0.00655885
0.112373	1	970	27	0.00521707
0.0682353	1	580	12	0.00843912
0.0683921	1	584	17	0.00923359
0.0358122	1	601	17	0.0095249
0.0692941	1	589	15	0.00902173
0.0692486	1	599	17	0.0099398
0.080578	1	697	18	0.0054201
0.0682917	1	678	19	0.00519059
0.0702353	1	597	17	0.00730036
0.0719632	1	625	16	0.00935718
0.0717636	1	612	14	0.00707968
0.0608957	1	1013	26	0.00507583
0.0361688	1	594	17	0.00642644
0.0579395	1	586	16	0.00794477
0.0489562	1	598	15	0.00605568
0.0752941	1	640	18	0.00691195
0.0740569	1	640	18	0.00691195
0.0964758	1	824	23	0.00504052
0.068833	1	591	16	0.00973676
0.116371	1	1057	29	0.00627637
0.0997903	1	904	25	0.00853622
0.0705543	1	611	13	0.00749457
0.0679237	1	598	17	0.00756519
0.0767242	1	653	19	0.00529652
0.0692941	1	589	17	0.00980738
0.0734496	1	636	18	0.00652354
0.0782353	1	665	19	0.00504935
0.0756293	1	643	18	0.00585265
0.0724263	1	617	18	0.00814781
0.0736916	1	628	18	0.00870394
0.0448316	1	723	18	0.00843912
0.0438126	1	604	17	0.0094278
0.0436242	1	611	17	0.00517293
0.0665795	1	611	17	0.00517293
0.082	1	697	15	0.00956021
0.0819518	1	697	15	0.00956021
0.0837647	1	712	20	0.00662947
0.0738084	1	638	18	0.0065412
0.0746182	1	645	19	0.00900408
0.0721348	1	642	17	0.00944545
0.0722353	1	614	17	0.00504052
0.0723355	1	621	14	0.00822726
0.07	1	595	17	0.00852739



0.0979917	1	1010	23	0.00635582
0.0332581	1	604	14	0.00887167
0.0729412	1	620	14	0.00620575
0.0832941	1	708	20	0.00629403
0.0660617	1	597	17	0.00947194
0.0736471	1	626	18	0.00610865
0.0968235	1	823	21	0.00515528
0.0687265	1	585	16	0.00910118
0.0736952	1	634	18	0.00961318
0.00364449	0.0488959	634	18	0.00961318
0.0689412	1	586	11	0.00989566
0.100536	1	863	23	0.00645292
0.0969881	1	863	23	0.00645292
0.0538321	1	767	21	0.00600272
0.0977647	1	831	23	0.00692961
0.102902	1	922	21	0.00614396
0.0137955	0.191456	632	18	0.00955139
0.0442353	1	376	11	0.0066383
0.0372393	1	607	16	0.00986035
0.0717625	1	614	18	0.0077594
0.0717625	1	614	18	0.0077594
0.0697511	1	594	16	0.00859801
0.078287	1	808	18	0.00652354
0.112599	1	967	27	0.00529652
0.0641461	1	548	11	0.00915415
0.0943219	1	804	21	0.00923359
0.0723529	1	615	17	0.0082096
0.0705882	1	600	17	0.00901291
0.0704473	1	600	17	0.00901291
0.0994118	1	845	21	0.00924242
0.0811765	1	690	19	0.00633817
0.129206	1	1102	26	0.00953373
0.0727059	1	618	17	0.00965731
0.0392635	1	612	12	0.00880104
0.0780534	1	664	19	0.00995745
0.0770398	1	660	19	0.00986035
0.0879314	1	749	22	0.00627637
0.0697135	1	601	16	0.00397239
0.0536448	1	457	13	0.00529652
0.0673397	1	607	17	0.00849208
0.0706773	1	1297	30	0.00404301
0.152319	1	1297	30	0.00404301
0.035148	1	645	17	0.00404301
0.0757487	1	645	17	0.00404301
0.0697647	1	593	17	0.0079536
0.0735692	1	626	18	0.00890698
0.0530989	1	616	18	0.00641761

0.0753633	1	643	17	0.00903056
0.0697647	1	593	12	0.00976324
0.0737647	1	627	18	0.00737099
0.0840484	1	715	20	0.00878339
0.070361	1	612	16	0.00535831
0.0721007	1	613	14	0.00716795
0.0710856	1	607	14	0.00662947
0.0705882	1	600	17	0.00886284
0.0529461	1	753	21	0.00639996
0.0885882	1	753	21	0.00639996
0.043946	1	625	18	0.00921594
0.0910476	1	777	22	0.00949842
0.0489148	1	613	12	0.00855387
0.0715703	1	613	12	0.00855387
0.0691306	1	621	16	0.00847443
0.0724944	1	617	17	0.00993097
0.0870588	1	740	21	0.00402535
0.0717647	1	610	17	0.00598506
0.0789349	1	833	23	0.0099398
0.0707059	1	601	14	0.00745926
0.0377002	1	638	17	0.00918063
0.0702353	1	597	17	0.00754754
0.0419181	1	528	10	0.00863332
0.0751233	1	655	17	0.00970145
0.0697036	1	609	17	0.00443142
0.0333025	1	719	20	0.00636465
0.0734017	1	651	15	0.00504052
0.0690044	1	612	10	0.00938366
0.0900541	1	766	17	0.00643527
0.0674056	1	596	17	0.00469624
0.0701836	1	604	12	0.00960435
0.0714618	1	615	17	0.00773291
0.0982353	1	835	24	0.00538479
0.0826731	1	793	22	0.00398121
0.0663737	1	574	16	0.00918946
0.0698166	1	594	16	0.00990449
0.0890588	1	757	20	0.00633817
0.0978095	1	835	19	0.00877456
0.0716471	1	609	17	0.00953373
0.0588014	1	626	16	0.00956021
0.074	1	629	16	0.00805953
0.109488	1	937	25	0.00965731
0.0755248	1	644	18	0.00912766
0.0785739	1	670	19	0.00651472
0.0696471	1	592	17	0.00918063
0.0513212	1	437	12	0.00885401
0.068253	1	588	10	0.00652354

0.0691765	1	588	10	0.00652354
0.0708235	1	602	17	0.00825374
0.0855232	1	729	20	0.00569376
0.0742041	1	634	12	0.00468742
0.0921486	1	784	22	0.00489928
0.0802704	1	843	24	0.00608217
0.0789412	1	671	18	0.00675306
0.0876471	1	745	21	0.00504052
0.0731765	1	622	18	0.00971028
0.0750588	1	638	18	0.00671775
0.094271	1	803	23	0.00504052
0.10354	1	895	25	0.00966614
0.0570346	1	602	17	0.00902173
0.0616471	1	524	13	0.0095867
0.0763529	1	649	13	0.00999276
0.0779117	1	976	27	0.00510231
0.0477422	1	406	12	0.00552603
0.0728235	1	619	12	0.00911001
0.0714118	1	607	17	0.00986918
0.188235	1	1600	44	0.00521707
0.076	1	646	17	0.00876573
0.114235	1	971	27	0.00505817
0.0705882	1	600	13	0.00896877
0.120706	1	1026	26	0.00779471
0.0802282	1	689	15	0.0095249
0.0707902	1	602	17	0.00828022
0.0634078	1	681	18	0.00992214
0.0653631	1	702	20	0.00641761
0.0876546	1	808	23	0.00635582
0.0829337	1	709	20	0.00469624
0.0614542	1	617	17	0.00868629
0.0521549	1	478	10	0.00657651
0.0688235	1	585	17	0.00526121
0.0727978	1	619	17	0.00833319
0.0718388	1	638	18	0.00783002
0.110267	1	943	26	0.00491693
0.0735053	1	627	18	0.00708851
0.0910157	1	776	16	0.00827139
0.0958437	1	844	23	0.00469624
0.069762	1	595	17	0.00619692
0.0716471	1	609	17	0.00781236
0.112588	1	957	27	0.00636465
0.103841	1	884	25	0.00545541
0.0465079	1	586	16	0.00841263
0.0863419	1	739	20	0.0066383
0.0728235	1	619	25	0.0095867
0.0631903	1	595	17	0.00911884

0.0723529	1	615	10	0.00831553
0.0770789	1	685	18	0.00637347
0.0606236	1	523	15	0.00602037
0.0697809	1	602	17	0.00960435
0.0709567	1	623	18	0.00844794
0.0399692	1	622	17	0.00579086
0.0552628	1	860	23	0.00609099
0.104118	1	885	25	0.00598506
0.0724706	1	616	18	0.00874808
0.121297	1	1089	30	0.00564962
0.0313542	1	677	19	0.00878339
0.0529227	1	488	14	0.00606451
0.0690624	1	590	17	0.00544658
0.0497477	1	424	12	0.00439611
0.0776264	1	883	24	0.00469624
0.0516923	1	588	15	0.00609099
0.0747745	1	688	20	0.00605568
0.07493	1	642	17	0.00521707
0.0392996	1	615	18	0.00882753
0.0364574	1	615	18	0.00882753
0.0547375	1	684	20	0.0061881
0.0340619	1	681	19	0.00700906
0.0716959	1	613	17	0.00805071
0.0730588	1	621	18	0.00981621
0.0367108	1	646	18	0.0092689
0.0998592	1	851	24	0.00527003
0.0684788	1	587	16	0.0089158
0.116353	1	989	26	0.00397239
0.0728235	1	619	16	0.00983387
0.102941	1	875	24	0.00469624
0.0871765	1	741	20	0.00553486
0.0726119	1	618	14	0.00863332
0.0318753	1	497	14	0.00969263
0.0364222	1	599	17	0.0079536
0.0706812	1	608	17	0.00714147
0.0430079	1	644	19	0.00700906
0.0920412	1	813	23	0.00651472
0.0587826	1	591	10	0.00659416
0.0943529	1	802	17	0.00984269
0.0826378	1	703	20	0.00603803
0.069629	1	608	17	0.00896877
0.0684499	1	586	16	0.00790946
0.0932941	1	793	22	0.00808601
0.0483858	1	601	17	0.00733567
0.0822256	1	699	20	0.00545541
0.0427689	1	658	18	0.00804188
0.0694754	1	592	15	0.00772409

0.0929412	1	790	22	0.00399887
0.0536527	1	802	22	0.00514645
0.0891765	1	758	20	0.00652354
0.072	1	612	14	0.00714147
0.0641542	1	589	10	0.0091718
0.0695764	1	593	17	0.00995745
0.0612339	1	529	15	0.0072474
0.048645	1	1007	28	0.00661182
0.0138461	1	863	21	0.00399887
0.0234205	0.237543	863	21	0.00399887
0.164458	1	1626	42	0.00527003
0.0714118	1	607	17	0.00986035
0.0705871	1	707	18	0.00974559
0.09222	1	1068	29	0.00912766
0.0528452	1	612	17	0.00888932
0.0716471	1	609	18	0.00822726
0.0661678	1	619	17	0.00893346
0.0711765	1	605	17	0.00688547
0.072	1	612	17	0.00818312
0.0432747	1	804	22	0.00636465
0.0769412	1	654	16	0.00834201
0.0682771	1	619	17	0.00635582
0.0670588	1	570	16	0.00816546
0.0705936	1	622	11	0.00886284
0.0931765	1	792	22	0.0087216
0.0688235	1	585	16	0.00998393
0.0888811	1	757	21	0.00982504
0.0841953	1	757	21	0.00982504
0.0729412	1	620	18	0.00848325
0.0687592	1	609	17	0.00966614
0.0752941	1	640	18	0.00923359
0.0850715	1	726	18	0.00653237
0.0378573	1	588	16	0.00758285
0.09715	1	859	20	0.00824491
0.0705346	1	603	15	0.0067972
0.0710612	1	608	17	0.00745926
0.0890588	1	757	20	0.00550838
0.10062	1	876	24	0.00504052
0.0978824	1	832	19	0.00467859
0.0696471	1	592	17	0.00954256
0.0813642	1	699	20	0.00411363
0.0921176	1	783	19	0.0060292
0.0305721	1	871	23	0.005067
0.0677928	1	598	10	0.00996628
0.0755294	1	642	17	0.00570258
0.0703529	1	598	17	0.00771526
0.0876471	1	745	21	0.00497873

0.0938319	1	823	22	0.00468742
0.0964604	1	823	22	0.00468742
0.08	1	680	19	0.00470507
0.079495	1	680	19	0.00470507
0.0765882	1	651	18	0.0059321
0.0761047	1	651	18	0.0059321
0.0611765	1	520	15	0.00808601
0.0998823	1	849	24	0.00782119
0.0662353	1	563	16	0.0052259
0.0712774	1	606	17	0.00630285
0.0791199	1	676	19	0.00893346
0.116353	1	989	28	0.00970145
0.0656257	1	559	16	0.00953373
0.0758824	1	645	17	0.00636465
0.0701176	1	596	17	0.00924242
0.0397807	1	769	20	0.00397239
0.0606273	1	605	15	0.00571141
0.102077	1	1106	31	0.00503169
0.0661585	1	677	18	0.00609099
0.0691099	1	594	16	0.00911001
0.0711346	1	605	17	0.0068943
0.03708	1	512	15	0.00782119
0.0488332	1	588	11	0.00772409
0.0703938	1	622	16	0.00966614
0.0692941	1	589	17	0.00746809
0.0818054	1	696	16	0.00484631
0.0384885	1	330	10	0.0091718
0.0502388	1	589	17	0.00888932
0.0813027	1	694	19	0.00666478
0.0804451	1	694	19	0.00666478
0.0984706	1	837	24	0.0094278
0.0542642	1	705	20	0.00529652
0.0423	1	590	16	0.00861567
0.0729412	1	620	17	0.00733567
0.0747059	1	635	17	0.0081125
0.0483378	1	807	15	0.00691195
0.0694461	1	593	15	0.00883636
0.069329	1	592	16	0.009622
0.0684098	1	641	18	0.0093307
0.0902882	1	846	23	0.00505817
0.0831765	1	707	14	0.00994862
0.0964491	1	823	23	0.00637347
0.0729412	1	620	18	0.00648823
0.0690588	1	587	17	0.0093307
0.0515294	0.84556	518	15	0.0068943
0.0728235	1	619	17	0.0095249
0.0725882	1	617	15	0.00535831

0.144118	1	1225	28	0.00504052
0.066	1	561	16	0.00608217
0.111647	1	949	26	0.00888049
0.0698824	1	594	16	0.0068943
0.0692941	1	589	17	0.00752105
0.0760933	1	649	17	0.00511114
0.0830397	1	707	20	0.00531417
0.0804706	1	684	19	0.00513762
0.0460937	1	754	22	0.00949842
0.0790588	1	672	19	0.00404301
0.0776471	1	660	16	0.00520824
0.0790709	1	674	19	0.00584382
0.0490317	1	557	12	0.00973676
0.0600185	1	777	22	0.00464328
0.0530666	1	687	18	0.00631168
0.0729412	1	620	17	0.00903056
0.0794118	1	675	17	0.00565844
0.0762353	1	648	17	0.00674423
0.0701176	1	596	16	0.00896877
0.0736203	1	679	19	0.00691195
0.0723145	1	618	17	0.00995745
0.0214014	1	456	13	0.00563196
0.0310696	1	662	15	0.00496107
0.0778823	1	662	15	0.00496107
0.0710684	1	606	17	0.00792712
0.0550032	1	603	16	0.00733567
0.0711765	1	605	17	0.00865981
0.0195275	1	624	12	0.00601155
0.0701287	1	605	15	0.00959552
0.0551765	0.743265	631	18	0.00609982
0.0377052	1	604	16	0.00903939
0.0831276	1	707	20	0.00523472
0.0761173	1	654	18	0.00894229
0.115712	1	992	26	0.00464328
0.0552059	1	614	13	0.00922477
0.130168	1	1190	29	0.00651472
0.0300401	1	592	13	0.00943663
0.0514259	1	660	19	0.00535831
0.107438	1	923	23	0.004555
0.0797647	1	678	19	0.00560548
0.0459879	1	678	19	0.00560548
0.0226393	1	591	17	0.00528769
0.0346294	1	904	20	0.00754754
0.0308998	0.301991	904	20	0.00754754
0.0694118	1	590	15	0.00843029
0.086	1	731	17	0.00399887
0.0535525	1	606	17	0.00920711

0.0706788	1	606	17	0.00920711
0.0951835	1	830	23	0.00437845
0.0815491	1	697	17	0.00920711
0.0751765	1	639	16	0.00935718
0.065084	1	732	21	0.00579086
0.101088	1	864	25	0.00749457
0.0698824	1	594	16	0.00964849
0.100012	1	854	24	0.00491693
0.0437566	1	998	27	0.00495224
0.0937647	1	797	23	0.00902173
0.0982353	1	835	23	0.00504935
0.0684706	1	582	16	0.00984269
0.0811995	1	723	21	0.00867746
0.095575	1	851	24	0.0065412
0.0693988	1	591	12	0.00904822
0.0679976	1	579	16	0.00539362
0.0831765	1	707	20	0.00986035
0.112421	1	1020	26	0.00560548
0.070236	1	610	16	0.0065412
0.0632518	1	610	16	0.0065412
0.182729	1	1587	40	0.00531417
0.0300222	1	596	16	0.00927773
0.124765	1	1061	27	0.00992214
0.0609524	1	608	17	0.00973676
0.0358314	1	601	17	0.0085627
0.130849	1	1141	28	0.00399887
0.00689018	0.125767	652	18	0.00887167
0.0734608	1	630	18	0.0065412
0.0716479	1	630	18	0.0065412
0.0711606	1	607	17	0.00914532
0.0808976	1	703	18	0.00414011
0.0827059	1	703	18	0.00414011
0.06916	1	601	12	0.00863332
0.0850188	1	723	20	0.00594975
0.0701734	1	599	16	0.00880104
0.0713367	1	610	17	0.00995745
0.0828235	1	704	20	0.00475804
0.076639	1	664	18	0.00951608
0.0821176	1	698	13	0.00680602
0.0721176	1	613	15	0.00981621
0.0768235	1	653	18	0.0042019
0.0757647	1	644	13	0.00895994
0.0794827	1	676	19	0.00729154
0.0365157	1	620	18	0.00530534
0.0450876	1	620	18	0.00530534
0.0691964	1	589	17	0.009622
0.068844	1	586	17	0.00552603



0.109765	1	933	22	0.00723857
0.086982	1	743	19	0.00466094
0.00974939	1	610	17	0.00883636
0.0796471	0.956215	708	16	0.00507583
0.0095576	1	598	13	0.00667361
0.0974359	1	855	22	0.0059321
0.0443529	1	377	10	0.00779471
0.0708724	1	628	18	0.00841263
0.0464706	0.412748	957	27	0.0063823
0.0947059	1	805	23	0.00489045
0.102824	1	874	23	0.00613513
0.0961493	1	819	23	0.00657651
0.0783048	1	667	18	0.00698257
0.119864	1	1021	28	0.00534948
0.0912941	1	776	22	0.00647058
0.0717503	1	701	18	0.00984269
0.118588	1	1008	28	0.00797126
0.0984706	1	837	24	0.00528769
0.0732292	1	642	15	0.00571141
0.0811765	1	690	19	0.00980738
0.0729412	1	620	17	0.00888932
0.088	1	748	21	0.004811
0.0910472	1	779	20	0.00916297
0.112	1	952	25	0.00462562
0.0699424	1	595	17	0.00858036
0.072924	1	620	17	0.00759167
0.0701857	1	601	16	0.00737981
0.0673362	1	590	17	0.00578203
0.0708348	1	605	12	0.00671775
0.052042	1	446	13	0.00924242
0.0299953	1	446	13	0.00924242
0.0707059	1	601	16	0.00935718
0.0851136	1	757	21	0.00466094
0.121399	1	1045	24	0.00600272
0.10768	1	917	26	0.00608217
0.0613863	1	596	17	0.00875691
0.123399	1	1050	21	0.00643527
0.0949459	1	851	24	0.00619692
0.0418382	1	762	21	0.00462562
0.0284961	1	519	15	0.00874808
0.0744518	1	730	20	0.00865098
0.0758824	1	645	18	0.00728271
0.118118	1	1004	27	0.00478452
0.121298	1	1032	23	0.00404301
0.0766941	1	670	18	0.00443142
0.0940934	1	822	23	0.00807719
0.0697947	1	595	16	0.00684133

0.0714118	1	607	17	0.00682368
0.0722353	1	614	12	0.00986035
0.0709412	1	603	17	0.00579969
0.0843529	1	717	20	0.00997511
0.0893757	1	763	21	0.00858918
0.114856	1	978	24	0.00632051
0.0440149	1	674	19	0.00652354
0.0788235	1	670	19	0.00664713
0.0586154	1	613	17	0.00969263
0.0722934	1	615	13	0.0076005
0.0797018	1	695	16	0.00820077
0.115765	1	984	27	0.00551721
0.0394545	1	651	19	0.00828022
0.0369697	1	610	17	0.00758285
0.0895294	1	761	22	0.00940132
0.0890194	1	758	19	0.00602037
0.0504544	1	694	18	0.0064794
0.0674118	0.956594	599	17	0.00863332
0.078735	1	1083	29	0.00578203
0.0368014	1	590	17	0.00714147
0.0725364	1	622	17	0.00685899
0.0606304	1	604	17	0.00777705
0.0947566	1	806	19	0.00504935
0.042927	1	606	17	0.00751223
0.0415811	1	587	12	0.0076976
0.070917	1	604	17	0.00940132
0.0670739	1	593	17	0.00792712
0.0828153	1	706	20	0.0064794
0.113947	1	1000	20	0.00448438
0.0734118	1	624	18	0.00905704
0.0677072	1	603	16	0.0079536
0.0706834	1	603	16	0.0079536
0.068445	1	603	17	0.00731802
0.0694118	1	590	17	0.00874808
0.0754407	1	642	18	0.00716795
0.0776506	1	665	17	0.00564962
0.0727059	1	618	18	0.00954256
0.0774118	1	658	19	0.00399887
0.0690451	1	658	19	0.00399887
0.0698201	1	679	19	0.00901291
0.0822238	1	704	18	0.00527003
0.114711	1	995	24	0.00659416
0.0902353	1	767	21	0.00521707
0.102243	1	1030	28	0.00504935
0.0709018	1	923	25	0.00980738
0.110889	1	944	26	0.00511114
0.0838816	1	714	19	0.00674423

0.0996713	1	849	23	0.00607334
0.07	1	595	17	0.00980738
0.07	1	595	17	0.00980738
0.0729412	1	620	17	0.00719444
0.107529	1	914	24	0.00633817
0.172824	1	1469	34	0.00615279
0.0517647	1	440	11	0.00863332
0.0695294	1	591	17	0.00943663
0.0871963	1	743	21	0.00497873
0.13719	1	1169	25	0.00509348
0.0715294	1	608	17	0.00963966
0.0772547	1	663	19	0.00777705
0.0758085	1	654	14	0.00888932
0.0756046	1	644	18	0.00559665
0.0851511	1	730	21	0.00981621
0.106706	1	907	25	0.00617044
0.0833041	1	712	19	0.00535831
0.0985368	1	963	22	0.00783002
0.109794	1	963	22	0.00783002
0.0803233	1	785	18	0.00579086
0.0894995	1	785	18	0.00579086
0.0682802	1	615	17	0.00758285
0.0666512	1	573	16	0.00895111
0.0861401	1	734	15	0.00675306
0.061429	1	760	20	0.00411363
0.0798453	1	702	20	0.00504935
0.0822978	1	702	20	0.00504935
0.0440854	1	603	17	0.00716795
0.0649015	1	603	17	0.00716795
0.0711136	1	645	18	0.00730036
0.0762353	1	648	18	0.00737099
0.0825882	1	702	19	0.00635582
0.0698432	1	708	19	0.0065412
0.06743	1	901	25	0.00431666
0.045128	1	603	15	0.00636465
0.0734016	1	659	19	0.00561431
0.0928246	1	815	23	0.00636465
0.0693825	1	591	16	0.00847443
0.0635826	1	591	16	0.00847443
0.0738069	1	665	18	0.00831553
0.0302713	1	608	17	0.00988683
0.0691513	1	616	11	0.00923359
0.0662326	1	590	14	0.00985152
0.0724757	1	618	17	0.00981621
0.0727059	1	618	17	0.00981621
0.106989	1	920	26	0.0064794
0.0868561	1	752	21	0.00920711

0.0587388	1	530	15	0.00636465
0.0707059	1	601	16	0.00733567
0.121159	1	1033	29	0.00864215
0.0857809	1	736	20	0.00542893
0.116144	1	1018	28	0.00657651
0.072467	1	658	18	0.00716795
0.0812941	1	691	18	0.00630285
0.0708995	1	603	10	0.00888049
0.0668121	1	582	15	0.00986035
0.0807832	1	689	19	0.00838615
0.121848	1	1039	25	0.0089158
0.061048	1	607	15	0.00973676
0.0564943	1	672	18	0.00579086
0.0836471	1	711	20	0.00613513
0.0687059	1	584	15	0.00835967
0.0873529	1	757	22	0.00983387
0.0875294	1	744	20	0.00504052
0.058	1	493	14	0.00782119
0.0714118	1	607	17	0.0095867
0.0464011	1	459	12	0.0095867
0.06	1	510	14	0.00911001
0.0791765	1	673	19	0.00871277
0.0741176	1	630	15	0.00563196
0.0910588	1	774	22	0.00662065
0.0738824	1	628	18	0.00448438
0.0765252	1	651	14	0.00608217
0.0586456	1	504	14	0.00623224
0.0767059	1	652	16	0.00971028
0.0580571	1	557	16	0.00977207
0.0608964	1	553	13	0.00999276
0.0596376	1	599	16	0.0076976
0.0580672	1	569	17	0.00977207
0.0696864	1	600	17	0.00850091
0.0275247	1	589	15	0.00829788
0.0319174	1	683	19	0.00482866
0.0698751	1	604	17	0.00911884
0.0379397	1	604	17	0.00911884
0.0756579	1	644	18	0.00812133
0.0637497	1	593	17	0.00521707
0.0443361	1	382	11	0.00859801
0.0679209	1	639	18	0.00832436
0.0628064	1	538	12	0.00706202
0.0741465	1	758	19	0.00542893
0.0789396	1	807	23	0.0041048
0.0802353	1	682	15	0.00914532
0.068064	1	604	15	0.009622
0.0741492	1	658	18	0.0065412

0.0827059	1	703	20	0.00986035
0.0827059	1	703	20	0.00986035
0.0919662	1	783	23	0.00619692
0.0531949	1	656	18	0.00783002
0.0752878	1	641	12	0.00886284
0.049627	1	612	15	0.00773291
0.0462212	1	570	10	0.00909235
0.128118	1	1089	26	0.00611748
0.0829412	1	705	20	0.00772409
0.0555459	1	639	18	0.00885401
0.0751765	1	639	18	0.00885401
0.085604	1	732	21	0.00431666
0.096907	1	824	22	0.00547307
0.0729412	1	620	18	0.00737981
0.0901176	1	766	19	0.0039459
0.0875029	1	766	19	0.0039459
0.069552	1	593	16	0.0065412
0.0966456	1	824	18	0.00397239
0.140197	1	1408	38	0.00448438
0.0925558	1	792	21	0.00539362
0.0799712	1	777	19	0.00782119
0.0778823	1	662	18	0.00879222
0.0837647	1	712	20	0.00652354
0.0758592	1	735	21	0.00515528
0.0499354	1	425	12	0.00716795
0.0283251	1	772	19	0.0041048
0.0657861	1	772	19	0.0041048
0.0735081	1	659	19	0.00402535
0.155435	1	1400	34	0.00527003
0.0826024	1	744	21	0.00428135
0.0978824	1	832	23	0.00414011
0.138471	1	1177	30	0.00503169
0.0439984	1	673	18	0.00520824
0.0856471	1	728	21	0.00595858
0.03827	1	638	18	0.00681485
0.0848924	1	726	20	0.00462562
0.114588	1	974	27	0.00754754
0.138824	1	1180	32	0.00779471
0.101059	1	859	24	0.00449321
0.0701176	1	596	12	0.00982504
0.0771765	1	656	18	0.00863332
0.0709412	1	603	17	0.00825374
0.036043	1	603	17	0.00965731
0.0989088	1	843	23	0.00456383
0.123882	1	1053	22	0.00861567
0.10567	1	915	25	0.0065412
0.0780167	1	664	19	0.00503169

0.0752903	1	642	13	0.00685016
0.0743743	1	633	18	0.00751223
0.0674118	1	573	15	0.00841263
0.0744706	1	633	18	0.00882753
0.0703529	1	598	17	0.00949842
0.0751765	1	639	18	0.00865098
0.0708235	1	602	17	0.0082096
0.0725882	1	617	12	0.0092689
0.0688692	1	592	13	0.00714147
0.0894377	1	851	23	0.00840381
0.0689858	1	587	16	0.00580851
0.08	1	680	18	0.0064794
0.0742343	1	635	18	0.0070532
0.061551	1	604	17	0.00895111
0.0686844	1	674	19	0.00643527
0.0676753	1	577	12	0.009622
0.0677151	1	577	12	0.009622
0.0476464	1	664	19	0.00592327
0.106235	1	903	23	0.00402535
0.0407502	1	604	16	0.00619692
0.0431116	1	639	15	0.00772409
0.0669412	1	569	16	0.00790946
0.07	1	595	16	0.00844794
0.0749412	1	637	18	0.00895994
0.0498532	1	849	23	0.00923359
0.0595056	1	585	16	0.00637347
0.0725712	1	617	13	0.0083685
0.0804706	1	684	19	0.00923359
0.0340652	1	588	17	0.0068943
0.110588	1	940	26	0.00737981
0.0837825	1	715	20	0.00535831
0.0717647	1	610	18	0.00983387
0.078	1	663	19	0.00677071
0.0738737	1	628	15	0.00650589
0.063169	1	537	14	0.00798891
0.0630578	1	537	14	0.00798891
0.0911765	1	775	13	0.00988683
0.0801177	1	681	18	0.00643527
0.0849412	1	722	20	0.00660299
0.130235	1	1107	30	0.0083685
0.115765	1	984	27	0.00975442
0.0703529	1	598	10	0.00681485
0.0864706	1	735	18	0.00899525
0.0896471	1	762	22	0.00701788
0.0848619	1	731	20	0.00998393
0.0709412	1	603	16	0.00530534
0.0689776	1	591	17	0.00764464

0.0513024	1	646	12	0.00745043
0.0688063	1	596	12	0.00764464
0.0722353	1	614	18	0.00682368
0.0736471	1	626	17	0.00820077
0.0284001	1	611	16	0.00503169
0.0718824	1	611	16	0.00503169
0.0697647	1	593	17	0.00539362
0.0690866	1	590	16	0.00589679
0.0705882	1	600	14	0.00647058
0.0695294	1	591	17	0.005835
0.0755294	1	642	18	0.00971028
0.0412825	1	609	12	0.00946311
0.0450419	1	1032	28	0.00813015
0.0204696	1	469	11	0.00797126
0.0682619	1	1007	27	0.00535831
0.0722353	1	614	15	0.0068943
0.0727059	1	618	17	0.00876573
0.0323739	1	631	19	0.00625872
0.046	1	391	10	0.00923359
0.0617647	1	525	15	0.0091718
0.0269657	1	855	22	0.00572024
0.0935756	1	855	22	0.00572024
0.0255464	1	810	22	0.00576437
0.0970908	1	831	24	0.00704437
0.0358286	1	593	17	0.00908353
0.0412941	1	351	10	0.00985152
0.0717877	1	614	17	0.00733567
0.0569001	1	971	27	0.00845677
0.0723529	1	615	17	0.00799774
0.0881523	1	750	18	0.00855387
0.0758824	1	645	11	0.00655885
0.0386451	1	591	13	0.0085627
0.0739764	1	645	18	0.00620575
0.106118	1	902	25	0.00973676
0.114824	1	976	21	0.00636465
0.0781893	1	665	17	0.00637347
0.0404463	1	348	10	0.00813015
0.0626116	1	631	16	0.0049699
0.0695946	1	618	15	0.0056761
0.0632002	1	598	17	0.004555
0.0935811	1	831	21	0.00896877
0.0720121	1	617	17	0.00896877
0.171335	1	1468	39	0.00531417
0.0679792	1	587	15	0.00934835
0.0749412	1	637	18	0.00980738
0.045396	1	388	11	0.00956021
0.0850588	1	723	20	0.00873925

0.0644676	1	686	20	0.00602037
0.0792497	1	676	19	0.00528769
0.0653595	1	560	12	0.00617044
0.0410051	1	594	17	0.00902173
0.0689813	1	602	17	0.00773291
0.0450533	1	638	18	0.00489045
0.0827059	1	703	19	0.00497873
0.0582353	1	495	14	0.00903056
0.0923545	1	790	19	0.00729154
0.0724672	1	618	18	0.00553486
0.0764361	1	652	18	0.00764464
0.0767059	1	652	18	0.00764464
0.0763987	1	650	18	0.009878
0.0903233	1	785	22	0.00598506
0.0627375	1	710	15	0.00504052
0.0704706	1	599	17	0.00946311
0.0574321	1	590	17	0.00960435
0.0923275	1	787	22	0.00923359
0.0703782	1	603	15	0.00647058
0.0952941	1	810	20	0.00813898
0.0270223	1	613	10	0.00877456
0.104157	1	897	24	0.00585265
0.100814	1	879	24	0.00674423
0.0704706	1	599	17	0.00957787
0.0937647	1	797	21	0.00469624
0.0736211	1	626	18	0.00779471
0.0705882	1	600	17	0.00831553
0.138582	1	1181	33	0.00758285
0.0862353	1	733	20	0.0082096
0.0695294	1	591	17	0.00900408
0.0367337	1	619	17	0.00911001
0.0728235	1	619	18	0.0096838
0.0463571	1	593	17	0.00655885
0.0705579	1	602	17	0.00758285
0.110118	1	936	26	0.00565844
0.0834118	1	709	20	0.00922477
0.0828368	1	709	20	0.00922477
0.0725882	1	617	14	0.00973676
0.0692941	1	589	17	0.00960435
0.0797647	1	678	18	0.00498755
0.0702353	1	597	16	0.00984269
0.0698525	1	611	15	0.00944545
0.101035	1	859	18	0.00691195
0.0800268	1	716	20	0.00918063
0.0851348	1	764	19	0.00682368
0.0888235	1	755	21	0.00774174
0.057474	1	491	14	0.00920711



0.0340153	1	838	24	0.00820077
0.0387644	1	955	27	0.00799774
0.0808235	1	687	20	0.00808601
0.0330095	1	598	17	0.00991331
0.0111098	0.16323	582	12	0.00474921
0.0683982	1	582	12	0.00474921
0.0922353	1	784	22	0.00849208
0.078393	1	681	19	0.00486397
0.0697647	1	593	17	0.00763581
0.0894118	1	760	22	0.00642644
0.0705869	1	605	17	0.00901291
0.0683848	1	605	17	0.00901291
0.0964706	1	820	23	0.0052259
0.102381	1	873	23	0.0064794
0.0696827	1	593	11	0.00956021
0.113059	1	961	24	0.00555251
0.0672992	1	610	18	0.00428135
0.0520005	1	824	23	0.00488162
0.0969412	1	824	23	0.00488162
0.0413354	1	655	18	0.00858918
0.0169412	0.219847	655	18	0.00858918
0.0709602	1	606	12	0.00858918
0.0531765	1	452	13	0.00681485
0.0695294	1	591	16	0.00918946
0.0873236	1	755	20	0.00486397
0.0709104	1	606	18	0.0083685
0.0697592	1	594	17	0.0080154
0.0725882	1	617	17	0.009622
0.107947	1	940	26	0.0052259
0.0711179	1	605	13	0.00737981
0.0648664	1	687	19	0.0061881
0.0850117	1	726	15	0.00918063
0.0947059	1	805	20	0.00515528
0.0546416	1	465	11	0.00981621
0.066	1	561	10	0.00977207
0.0825375	1	726	21	0.00656768
0.0725882	1	617	17	0.00730919
0.0710928	1	605	13	0.00528769
0.0705882	1	600	17	0.00825374
0.0612843	1	523	14	0.00598506
0.0714957	1	609	14	0.00986918
0.0839846	1	720	19	0.00616161
0.0723329	1	617	17	0.00867746
0.0703487	1	684	19	0.00866863
0.0709685	1	606	13	0.00619692
0.0729412	1	620	17	0.00495224
0.037163	1	776	22	0.00865098

0.0367718	1	606	15	0.00835084
0.0896248	1	774	21	0.00657651
0.0801976	1	682	19	0.00625872
0.0702224	1	603	17	0.00975442
0.0916039	1	779	22	0.00799774
0.140777	1	1199	33	0.00652354
0.0708671	1	604	16	0.00986035
0.0697911	1	755	19	0.00458149
0.0682745	1	586	13	0.00712381
0.0753831	1	674	19	0.009622
0.0709412	1	603	15	0.00708851
0.0455294	1	387	11	0.00973676
0.0473855	1	599	17	0.00971028
0.0718824	1	611	14	0.0095867
0.0777647	1	661	18	0.00933952
0.0775458	1	661	18	0.00933952
0.0456608	1	624	18	0.00637347
0.0703961	1	599	17	0.00973676
0.101059	1	859	24	0.00505817
0.069371	1	590	17	0.00527003
0.0299614	1	707	20	0.00600272
0.0927059	1	788	19	0.00566727
0.0693405	1	593	15	0.00850974
0.0843078	1	721	20	0.00648823
0.0745882	1	634	15	0.00737099
0.0691687	1	634	15	0.00737099
0.0451775	1	593	16	0.0074063
0.0723638	1	619	16	0.00690313
0.0963529	1	819	18	0.00763581
0.11	1	935	23	0.00745926
0.0863529	1	734	21	0.00631168
0.0738824	1	628	13	0.00556134
0.0694118	1	590	12	0.00909235
0.0698449	1	608	17	0.00979856
0.0394705	1	656	16	0.00708851
0.0965882	1	821	23	0.00626754
0.0965882	1	821	23	0.00626754
0.0721176	1	613	17	0.00790946
0.100683	1	870	22	0.0060292
0.0834118	1	709	20	0.00819195
0.0377562	1	595	14	0.009622
0.120058	1	1892	52	0.00602037
0.0603138	1	619	15	0.00965731
0.0695281	1	1027	22	0.00469624
0.0718591	1	620	15	0.0079536
0.0775294	1	659	17	0.00980738
0.0715543	1	610	17	0.00976324

0.038215	1	620	16	0.00771526
0.101294	1	861	25	0.00492576
0.101294	1	861	25	0.00492576
0.0852941	1	725	14	0.00605568
0.0852941	1	725	14	0.00605568
0.0480277	1	929	19	0.0043608
0.104818	1	929	19	0.0043608
0.0805598	0.924426	741	19	0.00550838
0.0860527	1	741	19	0.00550838
0.0601176	1	511	15	0.00973676
0.0744531	1	633	15	0.00479335
0.0747916	1	637	14	0.00996628
0.0743147	1	675	13	0.00783002
0.0399267	1	675	13	0.00783002
0.0856471	1	728	21	0.00733567
0.0783529	1	666	15	0.00568493
0.0741685	1	640	18	0.00504052
0.0538437	1	678	16	0.00476687
0.0716121	1	613	17	0.00584382
0.078367	1	668	19	0.00923359
0.0773327	1	668	19	0.00923359
0.0741436	1	632	15	0.00670009
0.0731651	1	632	15	0.00670009
0.0833333	1	714	19	0.00454618
0.0355465	1	575	12	0.00609099
0.0509397	1	824	23	0.00447556
0.0796471	1	677	19	0.00495224
0.0697621	1	604	12	0.00636465
0.0915916	1	793	18	0.00743278
0.0473996	1	967	25	0.00482866
0.0303907	1	620	16	0.00733567
0.0240055	0.472752	734	20	0.00520824
0.0573115	1	602	17	0.00773291
0.0416465	1	602	17	0.00773291
0.0707059	1	601	15	0.005067
0.101233	1	870	22	0.00616161
0.0655868	1	911	26	0.00528769
0.0780233	1	911	26	0.00528769
0.0733341	1	624	17	0.0092689
0.0713954	1	614	17	0.00721209
0.0719767	1	619	18	0.00935718
0.0434034	1	857	24	0.00431666
0.0385244	1	613	17	0.00932187
0.0493338	1	785	21	0.00919828
0.0932013	1	828	22	0.00417542
0.0701176	1	596	16	0.00943663
0.0676683	1	590	16	0.00802422

0.0782619	1	670	19	0.00997511
0.0810588	1	689	20	0.0059321
0.0714874	1	608	16	0.00764464
0.0464993	1	613	17	0.00981621
0.0594218	1	666	18	0.00947194
0.0556745	1	624	16	0.00667361
0.071487	1	612	17	0.00996628
0.0767494	1	680	19	0.00799774
0.0852955	1	739	20	0.00781236
0.0649365	1	608	15	0.00981621
0.104235	1	886	20	0.00503169
0.0750789	1	642	18	0.00637347
0.0753521	1	642	18	0.00637347
0.0703529	1	598	17	0.00902173
0.0673294	1	596	17	0.00993097
0.0700106	1	596	17	0.00993097
0.0752077	1	860	24	0.00496107
0.100963	1	860	24	0.00496107
0.108042	1	927	25	0.00416659
0.091203	1	790	22	0.00946311
0.0480236	1	424	12	0.00538479
0.0839775	1	717	15	0.00882753
0.0615594	1	589	14	0.00700023
0.0831304	1	717	20	0.0065412
0.17	1	1445	39	0.00895111
0.107714	1	916	25	0.00431666
0.0491957	1	419	12	0.0089776
0.100866	1	862	24	0.0054201
0.0718193	1	617	12	0.00712381
0.0749147	1	637	18	0.00758285
0.0749412	1	637	18	0.00758285
0.0910588	1	774	21	0.0041048
0.0842167	1	723	20	0.00596741
0.0631765	1	537	11	0.00971028
0.0388427	1	537	11	0.00971028
0.104618	1	913	25	0.00607334
0.0689412	1	586	15	0.00848325
0.0729412	1	620	16	0.00927773
0.0675645	1	597	15	0.00640879
0.0702353	1	597	15	0.00640879
0.0974209	1	831	16	0.00819195
0.0477647	1	406	12	0.00999276
0.0954274	1	816	23	0.00466094
0.115765	1	984	26	0.00617044
0.086	1	731	21	0.0095867
0.0784882	1	1111	31	0.00655003
0.112572	1	959	24	0.00609982

0.104824	1	891	20	0.00520824
0.104824	1	891	20	0.00520824
0.0706636	1	607	16	0.00625872
0.0381822	1	615	14	0.00744161
0.0908235	1	772	22	0.00643527
0.0697892	1	596	17	0.00950725
0.0406652	1	604	11	0.00803305
0.0666191	1	654	17	0.00701788
0.0877647	1	746	21	0.00524355
0.0804746	1	685	19	0.00940132
0.081338	1	693	18	0.00961318
0.069371	1	590	17	0.00858918
0.0784199	1	673	20	0.00584382
0.0655314	1	608	17	0.0089158
0.102285	1	949	25	0.00835967
0.0821664	1	710	20	0.00703554
0.0878824	1	747	21	0.00927773
0.133201	1	1137	31	0.00504052
0.0702353	1	597	15	0.00984269
0.0181431	1	588	12	0.00842146
0.0570273	1	592	17	0.0092689
0.0722353	1	614	14	0.00847443
0.0718129	1	614	14	0.00847443
0.0740828	1	630	18	0.00832436
0.0931765	1	792	23	0.00624989
0.0871765	0.968627	765	22	0.00498755
0.110057	1	940	26	0.00531417
0.0758693	1	648	15	0.00832436
0.0479319	1	591	16	0.00874808
0.0689168	1	586	16	0.00959552
0.0565911	1	592	11	0.00662065
0.0712946	1	608	17	0.00843029
0.0574669	1	608	13	0.00759167
0.0472968	1	636	18	0.0056761
0.0649959	1	874	24	0.00645292
0.123765	1	1052	24	0.00803305
0.0952716	1	812	22	0.00520824
0.108118	1	919	24	0.00512879
0.0949412	1	807	22	0.00491693
0.0633458	1	543	11	0.00545541
0.0569295	1	488	11	0.00403418
0.0481704	1	441	12	0.00563196
0.0695268	1	598	15	0.00882753
0.0703033	1	598	15	0.00882753
0.0739146	1	635	15	0.0066383
0.0753987	1	643	18	0.00412246
0.0351193	1	643	18	0.00412246

0.115592	1	986	22	0.00613513
0.0759638	1	664	19	0.00495224
0.0398376	1	677	20	0.00627637
0.0989295	1	841	19	0.00957787
0.0632911	1	540	11	0.00922477
0.0321176	0.446078	612	15	0.00782119
0.0782353	1	665	19	0.00598506
0.079953	1	680	18	0.00825374
0.0728235	1	619	13	0.00721209
0.0727636	1	619	13	0.00721209
0.0652005	1	587	17	0.00903939
0.074975	1	675	16	0.00613513
0.0856941	1	729	20	0.00587031
0.0638121	1	614	16	0.00845677
0.0716955	1	614	16	0.00845677
0.0362043	1	599	17	0.00745926
0.055931	1	629	18	0.00807719
0.0864401	1	735	21	0.00623224
0.0778977	0.903401	735	21	0.00623224
0.112941	1	960	27	0.00497873
0.104972	1	893	25	0.00527003
0.0629996	1	599	17	0.00531417
0.075352	1	653	18	0.00919828
0.0914204	1	829	21	0.00504935
0.0906204	1	1170	33	0.00637347
0.132	1	1122	29	0.00412246
0.0758824	1	645	18	0.00655003
0.0863529	0.990553	741	21	0.00905704
0.0709412	1	603	17	0.00912766
0.0894261	1	762	22	0.00738864
0.0941715	1	803	21	0.00857153
0.0767059	1	652	18	0.00720326
0.0697647	1	593	17	0.0084656
0.0837647	1	712	20	0.004555
0.0730588	1	621	18	0.005067
0.0472169	1	615	13	0.00940132
0.0762353	1	648	18	0.00752988
0.0227927	1	602	12	0.00625872
0.0694118	1	590	17	0.0069914
0.0782353	1	665	19	0.00557017
0.104024	1	897	24	0.00564962
0.101176	1	860	24	0.00503169
0.0937099	1	803	19	0.00473156
0.0562427	1	673	18	0.00467859
0.0634297	1	759	22	0.00609982
0.0788577	1	671	19	0.00888932
0.088142	1	750	21	0.00633817

0.0684706	1	582	15	0.00827139
0.0597261	1	724	21	0.00504052
0.0712941	1	606	17	0.00901291
0.0654656	1	625	18	0.00916297
0.0777647	1	661	19	0.00930421
0.066	1	561	16	0.00885401
0.069211	0.994966	596	17	0.00714147
0.0918824	1	781	22	0.0095867
0.0395986	1	663	19	0.00503169
0.0390611	1	654	19	0.00805953
0.0706407	1	602	17	0.00630285
0.112	1	952	27	0.00890698
0.0843529	1	717	20	0.009622
0.0716471	1	609	17	0.00568493
0.0714453	1	609	17	0.00568493
0.0774118	1	658	18	0.00672658
0.0771938	1	658	18	0.00672658
0.0685882	1	583	16	0.00895111
0.126103	1	1072	30	0.00520824
0.0749412	1	637	17	0.00777705
0.0713531	1	608	17	0.00746809
0.0721492	1	615	17	0.00981621
0.0811331	1	716	19	0.00416659
0.101721	1	1076	25	0.00402535
0.114471	1	973	21	0.00829788
0.076	1	646	18	0.00969263
0.0801177	1	681	16	0.00913649
0.0788235	1	670	19	0.00924242
0.0715706	1	612	15	0.0083685
0.0861726	1	736	19	0.00634699
0.0867575	1	739	21	0.00427252
0.0863116	1	739	21	0.00427252
0.0697835	1	606	17	0.00860684
0.0643325	1	599	17	0.00668244
0.0847059	1	720	20	0.00935718
0.0690588	1	587	17	0.0073445
0.068824	1	587	15	0.00911001
0.0510357	1	648	13	0.00905704
0.128706	1	1094	27	0.00467859
0.0978824	1	832	22	0.00896877
0.119004	1	1032	28	0.00657651
0.0970588	1	825	21	0.00690313
0.0544751	1	493	14	0.00588796
0.072	1	612	17	0.00588796
0.109412	1	930	23	0.00630285
0.0720309	1	615	12	0.0092689
0.0862107	1	779	20	0.00392825

0.0672864	1	608	17	0.00919828
0.0781376	1	678	17	0.00395473
0.0512597	1	588	14	0.00955139
0.0244204	1	948	22	0.00592327
0.0193715	1	752	21	0.00560548
0.0740292	1	795	21	0.00529652
0.0924311	1	795	21	0.00529652
0.039834	1	643	17	0.00469624
0.0707215	1	643	17	0.00469624
0.037013	1	628	15	0.00442259
0.0389047	1	628	15	0.00442259
0.0516296	1	876	24	0.00504935
0.0542684	1	876	24	0.00504935
0.0350681	1	595	17	0.00989566
0.0368604	1	595	17	0.00989566
0.0355963	1	668	19	0.00503169
0.102588	1	872	25	0.00935718
0.0591587	1	872	25	0.00935718
0.0736239	1	630	18	0.00713264
0.0366253	1	593	17	0.00746809
0.0660062	1	593	17	0.00746809
0.0368106	1	596	16	0.00731802
0.0663402	1	596	16	0.00731802
0.0419571	1	620	16	0.00961318
0.0454446	1	620	16	0.00961318
0.0871398	1	744	20	0.00541128
0.0743529	1	632	17	0.00489045
0.074222	1	632	17	0.00489045
0.0451888	1	626	18	0.0074063
0.0724286	1	626	18	0.0074063
0.0305349	1	842	24	0.00521707
0.0414387	1	356	10	0.00684133
0.0956797	1	815	23	0.00579969
0.0537433	1	458	13	0.00990449
0.0729412	1	620	17	0.00879222
0.0533453	1	952	27	0.0065412
0.0421383	1	752	21	0.00475804
0.0715629	1	609	13	0.00918063
0.0746181	1	635	13	0.00973676
0.068671	1	587	16	0.0090747
0.0366331	1	618	16	0.00829788
0.0274198	1	683	19	0.00630285
0.0404861	1	683	19	0.00630285
0.0405333	1	605	17	0.00960435
0.0353116	1	642	18	0.00518176
0.0926658	1	820	23	0.00510231
0.108183	1	1129	31	0.00657651



0.0754534	1	932	26	0.00700023
0.0881176	1	749	20	0.00405183
0.0491388	1	893	25	0.00844794
0.0711681	1	605	12	0.0091718
0.14143	1	1203	28	0.00413128
0.0709412	1	603	17	0.00825374
0.106118	1	902	25	0.00528769
0.0961124	1	848	24	0.00402535
0.0741986	1	1081	30	0.00536714
0.127176	1	1081	30	0.00536714
0.0312993	1	456	13	0.00876573
0.0536471	1	456	13	0.00876573
0.0748235	1	636	17	0.00626754
0.0478689	1	593	17	0.00775057
0.0441569	1	628	18	0.00707968
0.0551458	1	628	18	0.00707968
0.0765882	1	651	17	0.00685899
0.0692761	1	869	22	0.00627637
0.0738216	1	628	16	0.00666478
0.0470017	1	678	19	0.00932187
0.0756326	1	1091	28	0.00528769
0.0852222	1	767	20	0.00514645
0.0584853	1	590	17	0.0064794
0.0707012	1	611	17	0.00632051
0.0872744	1	764	18	0.0076976
0.120936	1	1034	29	0.00560548
0.0490336	1	619	17	0.00469624
0.0710588	1	604	17	0.0093307
0.0714118	1	607	16	0.00768878
0.0695489	1	592	16	0.00758285
0.0636507	1	567	16	0.00919828
0.050302	1	608	28	0.00843029
0.109793	1	1009	28	0.00520824
0.0689412	1	586	17	0.00667361
0.0779326	1	671	19	0.0082096
0.102687	1	875	23	0.0054201
0.102941	1	875	23	0.0054201
0.0758127	1	646	17	0.0083685
0.0788547	1	672	19	0.00655885
0.0551788	1	480	14	0.00617044
0.0794344	1	691	19	0.00542893
0.0681688	1	593	16	0.00911001
0.11102	1	945	26	0.00526121
0.123176	1	1047	30	0.00879222
0.0722736	1	617	16	0.00829788
0.0718824	1	611	13	0.00534948
0.107498	1	919	26	0.00460797

0.0978824	1	832	22	0.00915415
0.12898	1	1106	28	0.00971028
0.0702538	1	598	11	0.00816546
0.0756763	1	649	18	0.0061881
0.0711765	1	605	11	0.0082096
0.0696471	1	592	17	0.0083685
0.100914	1	861	24	0.00564962
0.0742353	1	631	18	0.00876573
0.0989729	1	848	24	0.0085627
0.0685607	1	584	12	0.00782119
0.0723174	1	616	17	0.00576437
0.0700458	1	597	16	0.00954256
0.078876	1	814	23	0.00527003
0.0580426	1	599	16	0.00980738
0.0928235	1	789	17	0.00553486
0.075432	1	646	15	0.00922477
0.0861176	1	732	20	0.00625872
0.0859861	1	732	20	0.00625872
0.0715291	1	610	16	0.00828022
0.102422	1	871	24	0.00525238
0.102471	1	871	24	0.00525238
0.0809412	1	688	17	0.00778588
0.102353	1	1105	27	0.00619692
0.0711765	1	605	15	0.00986918
0.0755294	1	642	17	0.00837732
0.08441	1	784	21	0.00489045
0.0698824	1	594	17	0.00867746
0.0675294	1	574	14	0.00865098
0.0688602	1	586	10	0.00976324
0.0569351	1	509	14	0.0071503
0.0828235	1	704	17	0.00614396
0.0426928	0.902121	613	11	0.00956021
0.0717967	1	613	11	0.00956021
0.0779967	1	665	19	0.0054201
0.0864706	1	735	21	0.00512879
0.0484279	1	593	16	0.00841263
0.0629653	1	812	23	0.00587031
0.114731	1	979	24	0.00585265
0.0769231	1	665	18	0.00655003
0.0715294	1	608	17	0.00742395
0.0709286	1	608	11	0.00913649
0.0699708	1	600	17	0.00768878
0.0815294	1	693	20	0.0064441
0.110182	1	988	25	0.00625872
0.0582445	1	497	14	0.00961318
0.0696938	1	594	13	0.00528769
0.0835294	1	710	20	0.00550838

0.0679461	1	655	11	0.00600272
0.0972986	1	832	22	0.00656768
0.0711545	1	612	16	0.00857153
0.0771012	1	666	19	0.00469624
0.0530134	1	687	18	0.00504052
0.0752941	1	640	18	0.00956021
0.117059	1	995	28	0.00635582
0.0907707	1	775	21	0.00504052
0.103879	1	889	22	0.0064794
0.0743943	1	654	18	0.00946311
0.0702703	1	598	17	0.00814781
0.0710588	1	604	17	0.00923359
0.0858349	1	732	20	0.00535831
0.0532048	1	596	17	0.00675306
0.069119	1	590	17	0.00564962
0.0526692	1	590	17	0.00564962
0.0767059	1	652	18	0.00634699
0.0655257	1	559	13	0.00943663
0.114	1	969	26	0.00467859
0.0664366	1	905	25	0.00584382
0.0698824	1	594	17	0.00797126
0.0705496	1	602	14	0.0095867
0.0708235	1	602	17	0.00765347
0.0717726	1	611	17	0.00564079
0.0615294	1	523	15	0.00671775
0.0658191	1	585	15	0.00964849
0.0479118	1	678	19	0.00403418
0.0462865	1	655	18	0.00817429
0.0722933	1	627	14	0.00684133
0.0315294	0.452703	592	11	0.00814781
0.0467646	1	589	12	0.00857153
0.0751886	1	947	27	0.00579086
0.0523224	1	659	16	0.00903056
0.109529	1	931	20	0.0065412
0.122955	1	1052	26	0.00397239
0.0931765	1	792	21	0.00497873
0.0764623	1	651	14	0.0095867
0.0705882	1	600	17	0.00966614
0.0392554	1	582	14	0.00982504
0.0714119	1	611	16	0.00970145
0.0750588	1	638	18	0.00598506
0.0867827	1	738	21	0.00531417
0.0703198	1	598	10	0.00634699
0.11121	1	996	28	0.00920711
0.0748919	1	641	18	0.00964849
0.0766436	1	654	18	0.00497873
0.0691765	1	588	17	0.00843912

0.0680463	1	582	11	0.0089776
0.0706241	1	602	13	0.00737981
0.0799871	1	745	20	0.00547307
0.0737487	1	638	13	0.00758285
0.0701176	1	596	12	0.00805953
0.0373091	1	518	15	0.00719444
0.0480409	1	667	19	0.00742395
0.0738824	1	628	18	0.0082096
0.0467178	1	627	12	0.00629403
0.0694836	1	592	17	0.00992214
0.120265	1	1054	29	0.00434314
0.0359033	1	597	15	0.00619692
0.0875624	1	754	21	0.00621458
0.088508	1	754	21	0.00621458
0.0875507	1	756	21	0.0083067
0.0702614	1	602	11	0.00701788
0.0758288	1	645	18	0.00935718
0.0765432	1	651	17	0.00970145
0.0718563	1	612	18	0.00799774
0.12375	1	1064	22	0.00651472
0.0707965	1	616	14	0.00986035
0.0697892	1	596	12	0.00774174
0.0936343	1	809	22	0.0051641
0.0951765	1	809	22	0.0051641
0.0917112	1	790	20	0.00594975
0.0800328	1	683	20	0.00839498
0.0700175	1	599	17	0.00967497
0.0874118	1	743	18	0.00411363
0.0729541	1	731	18	0.00886284
0.0711221	1	630	18	0.00655003
0.088	1	748	18	0.0084656
0.0708235	1	602	17	0.00439611
0.0758979	1	1065	24	0.00448438
0.078726	1	702	17	0.00832436
0.0651564	1	581	14	0.00845677
0.0856471	1	728	20	0.00636465
0.0454118	1	386	11	0.0083685
0.0690588	1	587	16	0.00946311
0.0518824	1	441	13	0.00885401
0.089673	1	765	17	0.00545541
0.0684527	1	603	17	0.00832436
0.0722411	1	616	17	0.00752988
0.0707861	1	606	14	0.00414011
0.0792941	1	674	19	0.00959552
0.0701176	1	596	17	0.00813898
0.0658422	1	575	11	0.00708851
0.0928053	1	792	21	0.00834201

0.107412	1	913	25	0.00425487
0.0569211	1	484	14	0.00989566
0.0698824	1	594	16	0.00756519
0.118586	1	1010	29	0.00528769
0.0599476	1	618	17	0.00920711
0.0814765	1	724	17	0.00627637
0.118927	1	1011	21	0.00675306
0.0793144	1	745	21	0.00521707
0.0903865	1	849	24	0.00579969
0.125727	1	1124	30	0.00469624
0.115436	1	1124	30	0.00469624
0.0690157	1	617	17	0.00737981
0.0818824	1	696	19	0.00435197
0.0731765	1	622	17	0.00690313
0.0641767	1	610	16	0.00685899
0.0916433	1	783	22	0.00519059
0.0778823	1	662	19	0.00858036
0.0717368	1	615	11	0.00502286
0.0713954	1	614	17	0.00759167
0.0405814	1	349	10	0.00831553
0.0696471	1	592	17	0.00671775
0.0721734	1	616	17	0.00848325
0.0854953	1	781	22	0.00798008
0.0936973	1	834	23	0.00427252
0.0715294	1	608	17	0.00700906
0.0781176	1	664	18	0.00721209
0.104706	1	890	25	0.00789181
0.0456471	1	388	11	0.00885401
0.0729412	1	620	14	0.0066383
0.0718824	1	611	17	0.00553486
0.105189	1	896	25	0.00632051
0.0282426	1	611	18	0.00973676
0.0680873	1	1473	42	0.0049081
0.0344365	1	745	21	0.00843029
0.0732477	1	627	18	0.00805071
0.115421	1	988	28	0.00456383
0.0975782	1	830	17	0.00636465
0.0752941	1	640	18	0.00828022
0.0684161	1	584	13	0.00985152
0.0718598	1	619	11	0.00710616
0.0682353	1	580	12	0.00636465
0.107412	1	913	23	0.00504052
0.0698824	1	594	17	0.00681485
0.0812941	1	691	16	0.00973676
0.0703215	1	608	15	0.00637347
0.0991831	1	862	23	0.00566727
0.0881176	1	749	21	0.0078565

0.0707059	1	601	17	0.00664713
0.0710004	1	604	12	0.00747692
0.0949806	1	808	23	0.00489045
0.0700608	1	611	16	0.009622
0.0904411	1	773	19	0.0054819
0.120588	1	1025	25	0.00841263
0.0371522	1	657	15	0.00578203
0.0342683	1	606	17	0.0066383
0.0134118	0.186275	612	11	0.00919828
0.0346076	1	612	11	0.00919828
0.0714286	1	646	18	0.00632934
0.0744706	1	633	18	0.0097809
0.126863	1	1081	28	0.00643527
0.0884873	1	754	20	0.00651472
0.0798448	1	679	15	0.00531417
0.076	1	646	17	0.00696492
0.0808235	1	687	15	0.00848325
0.0702219	1	690	20	0.00505817
0.0965882	1	821	23	0.00503169
0.112333	1	960	24	0.00598506
0.07	1	595	16	0.00717678
0.0437035	1	717	20	0.0065412
0.0746844	1	639	18	0.00629403
0.0667921	1	639	18	0.00629403
0.0677887	1	580	16	0.00857153
0.0606251	1	580	16	0.00857153
0.079827	1	683	19	0.00798891
0.0371067	0.519766	683	19	0.00798891
0.0796897	1	678	19	0.0079536
0.0816878	1	695	20	0.00688547
0.0722353	1	614	17	0.00885401
0.080878	1	689	20	0.00972794
0.0472337	1	607	17	0.00448438
0.071395	1	607	17	0.00448438
0.0462221	1	594	17	0.00717678
0.0698659	1	594	17	0.00717678
0.0695294	1	591	15	0.00642644
0.0705882	1	600	17	0.00922477
0.0704686	1	603	16	0.00807719
0.0715294	1	608	17	0.00875691
0.0759893	1	651	19	0.00498755
0.0703617	1	603	17	0.00854505
0.0825117	1	703	19	0.0047139
0.0686186	1	764	21	0.00619692
0.0984252	1	850	23	0.00496107
0.0736953	1	627	11	0.0096838
0.110263	1	939	23	0.00617927

0.0726867	1	619	17	0.00554369
0.08	1	680	19	0.00586148
0.0293078	1	605	17	0.00640879
0.0320257	1	658	18	0.00615279
0.038353	1	788	22	0.00598506
0.0389837	1	603	13	0.00864215
0.0702518	1	678	20	0.00513762
0.0687961	1	588	17	0.00717678
0.070656	1	601	17	0.00934835
0.0761815	1	648	18	0.00792712
0.0948631	1	807	16	0.00510231
0.0729412	1	620	15	0.0059321
0.0759553	1	646	18	0.00607334
0.0697456	1	595	16	0.00858918
0.0524244	1	586	15	0.00670009
0.0522455	1	584	15	0.00621458
0.0312436	1	455	13	0.00563196
0.0531815	1	453	13	0.00981621
0.0296461	0.416118	608	11	0.0089158
0.0714538	1	608	11	0.0089158
0.0704308	1	600	17	0.00944545
0.0688543	1	598	16	0.00737099
0.0788206	1	671	19	0.00909235
0.0818748	1	697	18	0.00619692
0.086	1	731	21	0.00515528
0.07	1	595	13	0.00779471
0.0715613	1	616	17	0.00995745
0.0740219	1	630	18	0.0041048
0.0717895	1	611	17	0.00411363
0.0900869	1	767	21	0.00523472
0.0899812	1	767	21	0.00523472
0.0718317	1	611	17	0.0064794
0.0611648	1	879	24	0.00737981
0.103412	1	879	24	0.00737981
0.0751994	1	641	12	0.00893346
0.0741943	1	640	14	0.00700023
0.0760818	1	647	18	0.00825374
0.0975925	1	831	23	0.00564079
0.0891368	1	759	21	0.00963966
0.0707059	1	601	16	0.00647058
0.0711804	1	635	18	0.00553486
0.108941	1	926	26	0.00621458
0.0534631	1	670	19	0.00448438
0.0477178	1	598	17	0.00773291
0.0758824	1	645	18	0.00999276
0.0703072	1	721	21	0.00632934
0.072	1	612	17	0.00742395

0.0707059	1	601	17	0.00873925
0.0721176	1	613	17	0.00913649
0.0691765	1	588	17	0.00901291
0.0571448	1	829	22	0.00531417
0.0691765	1	588	17	0.00731802
0.107412	1	913	25	0.00515528
0.0688235	1	585	12	0.00777705
0.0889412	1	756	22	0.00520824
0.0689194	1	824	20	0.00466094
0.0499621	1	594	16	0.00973676
0.0710389	1	625	18	0.00587031
0.0745568	1	635	11	0.00947194
0.0778823	1	662	19	0.00531417
0.0730647	1	622	17	0.00980738
0.0880902	1	750	18	0.00949842
0.113647	1	966	25	0.00397239
0.0709335	1	614	18	0.00920711
0.0721843	1	614	18	0.00899525
0.0477054	1	605	17	0.00844794
0.100622	1	858	20	0.00655003
0.0685882	1	583	17	0.00828905
0.0727059	1	618	16	0.00799774
0.050842	1	631	18	0.00690313
0.070783	1	603	17	0.00949842
0.0727785	1	620	18	0.00981621
0.0930588	1	791	22	0.00587031
0.0704706	1	599	15	0.00979856
0.0922353	1	784	22	0.00742395
0.0957647	1	814	23	0.00585265
0.086219	1	737	20	0.00619692
0.0139775	1	594	15	0.00893346
0.014354	1	610	17	0.00996628
0.042672	1	642	17	0.00636465
0.0566337	1	642	17	0.00636465
0.0858757	1	1292	35	0.0063823
0.113973	1	1292	35	0.0063823
0.0714786	1	612	18	0.00741512
0.0807059	1	686	17	0.00633817
0.069871	1	596	17	0.00909235
0.0594118	1	505	14	0.00848325
0.0699018	1	605	17	0.00932187
0.0689412	1	586	10	0.00852739
0.0708434	1	1055	29	0.00560548
0.0756471	1	643	18	0.00677954
0.104727	1	895	23	0.00531417
0.0697647	1	593	17	0.00782119
0.0379442	1	615	15	0.00805071



0.0712941	1	606	17	0.00899525
0.0887143	1	768	21	0.00964849
0.124516	1	1061	29	0.00742395
0.072	1	612	17	0.00882753
0.0735294	1	625	18	0.0090747
0.0340749	1	654	18	0.00642644
0.0688235	0.894495	654	18	0.00642644
0.0302715	1	581	11	0.00986035
0.0683529	1	581	11	0.00986035
0.0931757	1	938	24	0.00825374
0.0731765	1	622	18	0.00908353
0.0754118	1	641	18	0.00536714
0.139059	1	1182	33	0.00514645
0.0819133	1	697	19	0.00627637
0.0792466	1	690	19	0.00594093
0.0310416	1	484	14	0.00860684
0.0567675	1	484	14	0.00860684
0.0734992	1	1146	32	0.00625872
0.134412	1	1146	32	0.00625872
0.0388019	1	605	17	0.00710616
0.0388016	1	632	12	0.00566727
0.08	1	680	19	0.00685899
0.0891765	1	758	20	0.00579969
0.0666363	1	585	16	0.00979856
0.0707685	1	605	12	0.00779471
0.0621931	1	608	16	0.00911001
0.0750174	1	648	14	0.00815664
0.0498651	1	425	12	0.00827139
0.0723529	1	615	17	0.0066383
0.0730588	1	621	17	0.00824491
0.0600443	1	515	13	0.00930421
0.0691335	1	596	16	0.00707968
0.08015	1	684	18	0.00876573
0.0450629	1	387	11	0.00708851
0.0559334	1	477	14	0.00973676
0.0715294	1	608	17	0.00783884
0.0797366	1	678	19	0.00779471
0.0675294	1	574	16	0.00992214
0.0711765	1	605	13	0.00825374
0.0690588	1	587	14	0.00707085
0.0715294	1	608	18	0.00848325
0.0777647	1	661	19	0.00850091
0.0887512	1	759	20	0.00407832
0.0698052	1	602	16	0.00971028
0.0715294	1	608	17	0.00839498
0.0801177	1	681	15	0.0083067
0.104763	1	893	25	0.0065412

0.0685882	1	583	13	0.00977207
0.0715294	1	608	17	0.00617044
0.0787059	1	669	15	0.0057732
0.0393041	1	619	14	0.00909235
0.07	1	595	17	0.00970145
0.0691539	1	595	17	0.00970145
0.0360581	1	603	17	0.00758285
0.0926479	1	838	22	0.00449321
0.092852	1	895	24	0.00545541
0.125156	1	1105	30	0.00619692
0.0749002	1	638	18	0.00843029
0.0708951	1	617	17	0.00652354
0.0989731	1	1012	29	0.00538479
0.122471	1	1041	28	0.005579
0.0713041	1	614	12	0.00545541
0.100065	1	925	24	0.0041048
0.108099	1	925	24	0.0041048
0.0900652	1	815	23	0.00826257
0.126332	1	1079	30	0.00435197
0.0602254	1	791	21	0.00595858
0.0883168	1	765	21	0.00857153
0.0742178	1	631	17	0.00771526
0.0666276	1	569	13	0.00639996
0.0895126	1	775	22	0.00621458
0.109395	1	942	24	0.00569376
0.0751765	1	639	18	0.00859801
0.0712559	1	619	14	0.00944545
0.108118	1	919	25	0.00547307
0.0799906	1	680	19	0.00448438
0.0884945	1	753	21	0.00636465
0.0755294	1	642	12	0.00639113
0.0585855	1	608	17	0.00751223
0.0692941	1	589	12	0.00918063
0.130292	1	1111	27	0.00630285
0.130706	1	1111	27	0.00630285
0.0684706	1	582	17	0.00997511
0.0690588	1	587	16	0.00981621
0.0451677	1	687	18	0.00879222
0.0757609	1	687	18	0.00879222
0.0836546	1	716	18	0.00531417
0.0973265	1	830	21	0.00482866
0.0764637	1	653	19	0.004811
0.0766882	1	653	19	0.004811
0.0688525	1	588	16	0.00843029
0.0690546	1	588	16	0.00843029
0.110471	1	939	26	0.00586148
0.102	1	867	23	0.00623224

0.072148	1	616	14	0.00586148
0.0703529	1	598	17	0.0051641
0.0750909	1	640	14	0.00652354
0.0767059	1	652	18	0.00852739
0.0766608	1	652	18	0.00852739
0.0430391	1	652	18	0.00911001
0.0723881	1	652	18	0.00911001
0.0396726	1	601	17	0.00717678
0.0667259	1	601	17	0.00717678
0.0700578	1	606	17	0.00911884
0.0596689	1	847	21	0.00555251
0.0782353	1	665	19	0.005067
0.0608178	1	644	17	0.00585265
0.0723529	1	615	17	0.00584382
0.0914118	1	777	21	0.00630285
0.0702353	1	597	13	0.00894229
0.0356373	1	595	13	0.0069914
0.0698741	1	594	14	0.00922477
0.0697647	1	593	17	0.00954256
0.0692046	1	589	17	0.00978973
0.098883	1	841	23	0.00531417
0.0601027	1	597	17	0.00633817
0.0702353	1	597	17	0.00633817
0.0328979	1	345	10	0.00915415
0.032967	1	345	10	0.00915415
0.0702861	1	602	17	0.00685899
0.0825882	1	702	17	0.00655003
0.126622	1	1083	29	0.00572907
0.112435	1	1019	29	0.00635582
0.0945603	1	857	22	0.0064794
0.0765882	1	651	18	0.00636465
0.0747349	1	909	24	0.00657651
0.0107059	0.10011	909	24	0.00657651
0.0277186	1	651	17	0.00940132
0.0502591	1	611	15	0.00756519
0.0756471	1	643	18	0.00467859
0.0701176	1	596	17	0.0095867
0.0482599	1	1126	26	0.00462562
0.0291445	1	680	19	0.00771526
0.0799154	1	680	19	0.00771526
0.0538289	1	982	28	0.00486397
0.100118	1	851	24	0.00562313
0.0253966	1	602	17	0.00988683
0.0719559	1	614	17	0.00643527
0.067336	1	617	13	0.00955139
0.113353	1	972	23	0.00615279
0.0749412	1	637	18	0.00909235

0.0697568	1	608	12	0.00671775
0.0749801	1	659	18	0.00854505
0.0684107	1	659	18	0.00854505
0.0828308	1	728	15	0.00503169
0.0755735	1	728	15	0.00503169
0.0521973	1	582	14	0.00844794
0.0505919	1	671	17	0.00617927
0.116	1	986	22	0.00504052
0.100738	1	860	24	0.00549072
0.0113225	0.112791	860	24	0.00549072
0.0354456	1	589	17	0.00946311
0.0692941	1	589	17	0.00946311
0.0966036	1	822	23	0.00491693
0.0805693	1	685	14	0.00432549
0.0414118	1	352	10	0.00878339
0.0492188	1	419	12	0.00772409
0.0649964	1	729	20	0.00568493
0.0921024	1	849	24	0.00467859
0.0543311	1	991	27	0.00523472
0.0451206	1	823	21	0.00923359
0.0316886	1	578	16	0.00940132
0.0691796	1	947	26	0.00564079
0.0690588	1	587	13	0.00912766
0.153176	1	1302	33	0.0061881
0.0698824	1	594	17	0.00896877
0.084372	1	792	21	0.00960435
0.0633855	1	595	16	0.00700023
0.0874618	1	745	17	0.00397239
0.0694118	1	590	11	0.00732685
0.108266	1	947	24	0.00617927
0.111124	1	947	24	0.00617927
0.0604591	1	698	20	0.00457266
0.118531	1	1017	26	0.00517293
0.0707059	1	601	17	0.00538479
0.0785268	1	678	19	0.00579086
0.0745707	1	634	16	0.00602037
0.076	1	646	19	0.00591444
0.115519	1	990	28	0.00468742
0.0751809	1	644	11	0.00693844
0.0690507	1	587	10	0.00918063
0.0694754	1	592	11	0.0091718
0.0591949	1	647	18	0.00498755
0.0845054	1	721	20	0.00829788
0.0702353	1	597	17	0.00841263
0.0547812	1	621	16	0.00877456
0.0882802	1	751	18	0.00940132
0.0709412	1	603	17	0.00918063

0.0938824	1	798	21	0.00600272
0.0687023	1	585	11	0.00991331
0.0800845	1	682	19	0.00959552
0.0381554	0.47178	691	19	0.00932187
0.0803467	1	686	18	0.00758285
0.0710588	1	604	14	0.009878
0.036	1	549	16	0.00973676
0.0643913	1	549	16	0.00973676
0.0630588	1	536	15	0.00970145
0.069699	1	616	13	0.00517293
0.0894118	1	760	20	0.00805953
0.0737647	1	627	18	0.00939249
0.044194	1	996	20	0.00752988
0.0577915	1	616	11	0.0095249
0.0610751	1	651	17	0.0062852
0.0703529	1	598	13	0.009622
0.0210385	1	609	17	0.00920711
0.0340623	1	986	28	0.00651472
0.0609303	1	558	15	0.00938366
0.0493558	1	452	10	0.00915415
0.0792941	1	674	19	0.00657651
0.0704706	1	599	17	0.00979856
0.0770588	1	655	14	0.00647058
0.0741176	1	630	17	0.00935718
0.0542353	1	461	11	0.0088187
0.0790588	1	672	19	0.00701788
0.0763529	1	649	19	0.00899525
0.0737925	1	631	16	0.00634699
0.0994627	1	870	24	0.00865098
0.0690522	1	604	11	0.00980738
0.0795294	1	676	19	0.00625872
0.101765	1	865	22	0.00565844
0.0945535	1	809	20	0.005835
0.0742353	1	631	14	0.00945428
0.0507263	1	433	12	0.00737099
0.139162	1	1189	33	0.00558783
0.0711765	1	605	17	0.00869511
0.0597647	1	508	13	0.00782119
0.0716376	1	612	16	0.00868629
0.0464588	1	593	13	0.00690313
0.0839901	1	714	20	0.00981621
0.0754118	1	641	15	0.0084656
0.0600848	1	950	27	0.00520824
0.0758824	1	645	18	0.00790946
0.0718679	1	631	17	0.00493459
0.082	1	697	17	0.00624989
0.0819422	1	697	17	0.00624989

0.0690743	1	591	16	0.00943663
0.0770588	1	655	18	0.00843912
0.0703225	1	604	17	0.00858036
0.0388792	1	605	16	0.00918946
0.0889071	1	759	18	0.00636465
0.0701858	1	597	14	0.00633817
0.0666469	1	675	19	0.00827139
0.0649684	1	658	17	0.00416659
0.0581749	1	612	17	0.00890698
0.072	1	612	17	0.00890698
0.093251	1	981	26	0.00565844
0.115412	1	981	26	0.00565844
0.105051	1	913	25	0.00651472
0.0536079	1	708	17	0.00489045
0.049849	1	809	22	0.00469624
0.0453637	1	386	11	0.00598506
0.189094	1	1616	37	0.00515528
0.0552306	1	746	21	0.00731802
0.072815	1	619	18	0.00886284
0.0815991	1	694	20	0.00432549
0.0649727	1	583	16	0.00971028
0.0647905	1	617	17	0.00755636
0.0949806	1	808	21	0.00659416
0.0712941	1	606	11	0.00847443
0.071202	1	606	11	0.00847443
0.0942666	1	804	22	0.00544658
0.0940321	1	802	22	0.0052259
0.0740072	1	656	18	0.00505817
0.0749412	1	637	18	0.00855387
0.0782582	1	753	20	0.00758285
0.0758824	1	645	15	0.00670009
0.0925882	1	787	19	0.00538479
0.0728878	1	710	20	0.00747692
0.103867	1	932	26	0.00564079
0.0723529	1	615	14	0.00992214
0.0707902	1	602	17	0.00826257
0.0720837	1	613	18	0.00712381
0.0707059	1	601	12	0.00745926
0.0813694	1	694	19	0.00692961
0.0863529	1	734	19	0.00531417
0.0705882	1	600	17	0.00867746
0.0438844	1	606	16	0.0092689
0.0809412	1	688	19	0.00616161
0.0702969	1	599	16	0.00990449
0.0765882	1	651	18	0.00515528
0.102118	1	868	24	0.00427252
0.0705882	1	600	17	0.00921594

0.0653407	1	933	26	0.00953373
0.0641176	1	545	14	0.00745043
0.0916471	1	779	20	0.00911884
0.073762	1	779	20	0.00911884
0.0778356	1	853	24	0.00655003
0.0718824	1	611	13	0.00812133
0.076	1	646	18	0.00655885
0.0709412	1	603	17	0.009878
0.0567059	1	482	14	0.0074063
0.0771765	1	656	19	0.0084656
0.0718824	1	611	17	0.00973676
0.0696471	1	592	17	0.00912766
0.0703529	1	598	17	0.0094278
0.0683921	1	584	10	0.00883636
0.0831471	1	707	20	0.00861567
0.0702503	1	609	17	0.00684133
0.0716884	1	611	12	0.00909235
0.0717304	1	611	12	0.00909235
0.101176	1	860	23	0.00635582
0.0725882	1	617	18	0.0082096
0.100706	1	856	24	0.00505817
0.0690426	1	587	17	0.00841263
0.000798722	0.0107692	650	18	0.00565844
0.0697702	1	595	17	0.00959552
0.0397462	1	614	16	0.0095249
0.0736891	1	638	15	0.00893346
0.0601209	1	736	21	0.00657651
0.0393408	1	339	10	0.00736216
0.0720996	1	614	17	0.00809484
0.0767059	1	652	18	0.00787415
0.0635341	1	1079	30	0.00428135
0.0781677	1	686	20	0.00920711
0.0838687	1	731	21	0.00889815
0.0809099	1	690	17	0.00587031
0.0806075	1	690	17	0.00587031
0.0910588	1	774	22	0.00887167
0.105529	1	897	22	0.00637347
0.0904072	1	786	21	0.00758285
0.10666	1	908	25	0.00980738
0.106824	1	908	25	0.00980738
0.0817647	1	695	17	0.0076005
0.060076	1	601	18	0.00919828
0.0796471	1	677	19	0.00973676
0.0575147	1	822	21	0.00539362
0.0645882	1	549	16	0.00617044
0.0701176	1	596	13	0.0095249
0.0874118	1	743	21	0.00503169

0.0205139	1	586	17	0.00874808
0.106941	1	909	23	0.00814781
0.0796616	1	678	14	0.00714147
0.0721176	1	613	17	0.00923359
0.0949412	1	807	23	0.00877456
0.0691765	1	588	17	0.00923359
0.0770588	1	655	11	0.00571141
0.0702353	1	597	17	0.00956021
0.117176	1	996	54	0.00877456
0.0789412	1	671	37	0.00755636
0.0644706	1	548	31	0.00912766
0.0641327	1	847	24	0.00538479
0.0148897	1	585	16	0.00758285
0.022729	1	893	25	0.00431666
0.0346654	1	707	20	0.00953373
0.0709412	1	603	17	0.0085627
0.0729412	1	620	17	0.00602037
0.0561176	1	477	13	0.00753871
0.0905674	1	771	21	0.00452852
0.0838717	1	714	19	0.00854505
0.0725882	1	617	17	0.00986918
0.0712941	1	606	17	0.00799774
0.0681176	1	579	16	0.00861567
0.0679577	1	579	16	0.00861567
0.0942353	1	801	22	0.00504052
0.119204	1	1018	26	0.00629403
0.0738656	1	630	18	0.00647058
0.105529	1	897	25	0.00845677
0.111765	1	950	26	0.00514645
0.0708235	1	602	17	0.00954256
0.0361936	1	596	13	0.00993097
0.074	1	629	18	0.00624989
0.0530041	1	614	11	0.00643527
0.0685649	1	602	12	0.00955139
0.0644706	1	548	15	0.00652354
0.0728235	1	619	11	0.00920711
0.065776	1	965	27	0.00925125
0.0964277	1	826	23	0.00486397
0.0745882	1	634	18	0.00793595
0.0745882	1	634	18	0.00957787
0.0276251	1	588	16	0.00956021
0.0556071	1	599	17	0.00890698
0.0752941	1	640	18	0.00660299
0.0410588	1	349	10	0.00906587
0.0688116	1	586	16	0.00926008
0.0726867	1	619	15	0.00434314
0.0695294	1	591	17	0.00920711



0.07	1	595	17	0.00710616
0.109294	1	929	25	0.00885401
0.0456822	1	602	16	0.00878339
0.116941	1	994	27	0.004555
0.123647	1	1051	27	0.00607334
0.0785882	1	668	17	0.00911001
0.176471	1	1500	38	0.00634699
0.0856471	1	728	18	0.00809484
0.107905	1	920	26	0.00457266
0.108	1	918	22	0.00985152
0.0762363	1	649	18	0.0063823
0.0690588	1	587	17	0.00971028
0.0734118	1	624	18	0.00515528
0.0525524	1	594	17	0.00912766
0.0733838	1	630	17	0.00685899
0.0737647	1	627	18	0.00902173
0.034392	1	627	18	0.00902173
0.0678534	1	587	17	0.00970145
0.123399	1	1050	21	0.0052259
0.080268	1	683	19	0.0048728
0.0696909	1	593	11	0.00799774
0.0992941	1	844	17	0.00966614
0.00481843	0.0485782	844	17	0.00966614
0.0837647	1	712	18	0.00764464
0.0519177	1	712	19	0.00966614
0.0794733	1	676	18	0.00553486
0.0474364	1	606	17	0.0091718
0.196693	1	1713	42	0.00458149
0.0774118	1	658	14	0.00639996
0.0616471	1	524	14	0.00609099
0.0909941	1	778	20	0.00617044
0.0696203	1	594	17	0.00946311
0.104397	1	888	24	0.0079536
0.0843966	1	721	20	0.00503169
0.0800891	1	683	20	0.00636465
0.0842353	1	716	20	0.00759167
0.0561811	1	479	14	0.00768878
0.0399606	1	649	16	0.00616161
0.0696916	1	705	20	0.00954256
0.0802628	1	684	19	0.00630285
0.0747059	1	635	18	0.00609099
0.110118	1	936	19	0.00655003
0.0737647	1	627	18	0.00631168
0.0790588	1	672	19	0.00763581
0.0718148	1	611	17	0.00887167
0.0902763	1	830	21	0.00643527
0.0308039	1	684	19	0.00453735

0.0716628	1	612	17	0.00996628
0.0718985	1	612	17	0.00996628
0.0771663	1	659	18	0.00827139
0.0774201	1	659	18	0.00827139
0.0709753	1	604	17	0.00889815
0.071395	1	607	13	0.00704437
0.0682938	1	582	12	0.00635582
0.0709759	1	616	12	0.00935718
0.0627059	1	533	12	0.00982504
0.096	1	816	21	0.00585265
0.0978007	1	836	21	0.00657651
0.09803	1	836	21	0.00657651
0.0671057	1	591	17	0.0082096
0.0687793	1	586	12	0.00798891
0.0871765	1	741	21	0.00411363
0.107644	1	921	25	0.00613513
0.0717647	1	610	17	0.0095249
0.0907832	1	983	20	0.0065412
0.0667059	1	567	16	0.00793595
0.0756382	1	643	16	0.00539362
0.0818414	1	704	17	0.00696492
0.133341	1	1147	31	0.00549955
0.0715876	1	611	17	0.00764464
0.0800705	1	681	15	0.00708851
0.0699589	1	595	13	0.00840381
0.0871394	1	746	21	0.00726506
0.0708235	1	602	17	0.00770643
0.124471	1	1058	27	0.00527003
0.0729888	1	959	27	0.00460797
0.0438459	1	617	17	0.00996628
0.0838323	1	714	15	0.00508466
0.0695294	1	591	15	0.00984269
0.0723529	1	615	16	0.00882753
0.0401142	1	590	17	0.00981621
0.0304596	1	448	13	0.00901291
0.0618449	0.986989	538	15	0.00971911
0.0728235	1	619	18	0.00888049
0.136972	1	1167	29	0.00432549
0.0747059	1	635	17	0.00671775
0.0705882	1	600	17	0.00997511
0.0692736	1	597	12	0.0069914
0.0239985	0.58021	667	19	0.00631168
0.0414672	1	667	19	0.00631168
0.0930588	1	791	22	0.00896877
0.075222	1	830	21	0.00932187
0.0743307	1	633	13	0.00861567
0.041173	1	351	10	0.00969263

0.0735294	1	625	18	0.00991331
0.0750588	1	638	17	0.00865098
0.0455294	0.649329	596	17	0.00761816
0.0897647	1	763	20	0.00971028
0.0391484	1	879	20	0.00619692
0.103412	1	879	20	0.00619692
0.0264553	1	594	13	0.00882753
0.0621285	1	763	18	0.00935718
0.0505659	1	621	13	0.00700023
0.101424	1	876	23	0.00547307
0.085099	1	735	21	0.00813015
0.0728235	1	619	17	0.00756519
0.0790588	1	672	19	0.00865098
0.100941	1	858	24	0.00626754
0.0698824	1	594	17	0.00831553
0.071571	1	610	14	0.00412246
0.0737955	1	628	18	0.00737099
0.0667346	1	589	10	0.00903056
0.0709328	1	603	17	0.00899525
0.102	1	867	24	0.00986918
0.07072	1	606	15	0.00921594
0.0656735	1	626	18	0.00586148
0.0687998	1	587	15	0.00922477
0.0794509	1	735	21	0.00641761
0.0678575	1	604	17	0.00990449
0.0690588	1	587	17	0.00927773
0.0711184	1	606	17	0.00912766
0.0718772	1	618	18	0.00637347
0.0494159	1	423	12	0.00873925
0.0819614	0.58769	1186	27	0.00464328
0.134865	1	1186	27	0.00464328
0.0701176	1	596	17	0.00835967
0.0731736	1	632	18	0.00896877
0.0712781	1	609	17	0.00670892
0.0725882	1	617	17	0.009622
0.0435816	1	587	17	0.00868629
0.0665231	1	896	25	0.00592327
0.0694118	1	590	17	0.00859801
0.0396388	1	619	18	0.00967497
0.183275	1	1578	33	0.00666478
0.0741385	1	639	18	0.00403418
0.0257427	1	610	15	0.00924242
0.0714118	1	607	17	0.00899525
0.0701176	1	596	17	0.00781236
0.0755333	1	648	17	0.00563196
0.0756471	1	643	19	0.00981621
0.0727463	1	627	17	0.00637347

0.0819021	1	701	19	0.00782119
0.0764354	1	651	17	0.00722092
0.0718824	1	611	13	0.00990449
0.0292862	1	679	19	0.00980738
0.0711244	1	618	15	0.00954256
0.102091	1	869	24	0.00549955
0.0916471	1	779	21	0.00632934
0.0719991	1	613	17	0.00850091
0.0516996	1	689	19	0.00981621
0.0810588	1	689	19	0.00981621
0.0540189	1	664	13	0.00587031
0.0776336	1	664	13	0.00587031
0.0819232	1	1007	27	0.0056761
0.117736	1	1007	27	0.0056761
0.0823902	1	728	21	0.00535831
0.0969412	1	824	20	0.00637347
0.0689655	1	590	17	0.00921594
0.0751765	1	639	18	0.00505817
0.106706	1	907	25	0.00848325
0.0703529	1	598	17	0.00739747
0.0696966	1	595	17	0.00810367
0.0828235	1	704	19	0.00603803
0.0682353	1	580	16	0.00999276
0.047592	1	419	12	0.00861567
0.0117647	0.169492	590	12	0.004555
0.0694118	1	590	12	0.004555
0.0465613	1	589	13	0.00821843
0.059399	1	589	13	0.00821843
0.0683715	1	893	25	0.00621458
0.082153	1	1073	23	0.00564079
0.0873398	1	743	20	0.00482866
0.100584	1	861	25	0.00535831
0.0748235	1	636	18	0.00778588
0.0705882	1	600	14	0.00757402
0.101622	1	871	24	0.00657651
0.0947161	1	1106	31	0.00623224
0.0654278	1	764	20	0.00653237
0.0571752	1	1110	31	0.00594975
0.0987545	1	1110	31	0.00594975
0.0755294	1	642	18	0.00749457
0.0486537	1	627	18	0.00854505
0.0703529	1	598	13	0.00588796
0.0898064	1	770	19	0.00421073
0.0899218	1	770	19	0.00421073
0.0622353	1	529	13	0.00723857
0.0870166	1	756	21	0.00442259
0.129194	1	1159	28	0.00431666

0.0835294	1	710	18	0.00930421
0.0841176	1	715	20	0.00564962
0.0691765	1	588	15	0.00755636
0.0762353	1	648	18	0.00835967
0.0851765	1	724	20	0.00792712
0.0693954	1	590	17	0.00981621
0.0718824	1	611	14	0.00921594
0.0647943	1	556	11	0.00973676
0.0731765	1	622	12	0.00643527
0.0720891	1	647	17	0.00882753
0.0736471	1	626	18	0.00609099
0.055894	1	789	23	0.00682368
0.0433551	1	612	16	0.00790946
0.0657232	1	613	16	0.00939249
0.0659376	1	615	16	0.00752988
0.0784706	1	667	18	0.00921594
0.0760461	1	647	16	0.00636465
0.0832941	1	708	20	0.00778588
0.0750588	1	638	13	0.00964849
0.0707059	1	601	17	0.00943663
0.0747059	1	635	17	0.00973676
0.100422	1	856	20	0.00631168
0.0711096	1	621	17	0.00878339
0.069917	1	598	17	0.00986918
0.0404359	1	731	16	0.00858918
0.188768	1	1610	45	0.00600272
0.0692691	1	598	17	0.00844794
0.0681053	1	587	17	0.00764464
0.0791765	1	673	17	0.0087216
0.0414118	1	352	10	0.00647058
0.0379082	1	606	16	0.00713264
0.0780431	1	670	19	0.0068943
0.152706	1	1298	36	0.00637347
0.0667734	1	584	14	0.00865981
0.069508	1	592	17	0.00971028
0.0718824	1	611	18	0.00491693
0.0718653	0.622378	1001	23	0.00489928
0.117765	1	1001	23	0.00489928
0.0741939	1	642	18	0.00828022
0.125777	1	1073	29	0.00527003
0.0646649	1	687	19	0.00637347
0.0807475	1	687	19	0.00637347
0.0907383	1	773	22	0.0054819
0.0909412	1	773	22	0.0054819
0.0355827	1	618	12	0.0096838
0.0944706	1	803	22	0.00983387
0.0744181	1	633	18	0.00630285

0.0733419	1	627	14	0.00519059
0.070159	1	600	16	0.0073445
0.0756243	1	645	17	0.00647058
0.0877069	1	747	22	0.00467859
0.0966303	1	823	22	0.00723857
0.0529088	1	452	13	0.00999276
0.0705579	1	602	17	0.00848325
0.0761273	1	677	19	0.00698257
0.0649845	1	837	23	0.00527003
0.0844956	1	727	19	0.00595858
0.0683121	1	584	14	0.00595858
0.106693	1	907	25	0.00598506
0.0685579	1	609	16	0.00797126
0.0808285	1	718	18	0.00754754
0.0596312	1	595	17	0.00834201
0.082684	1	711	20	0.00515528
0.0681742	1	609	16	0.00973676
0.037522	1	639	17	0.00675306
0.0742984	1	638	18	0.00504935
0.0745743	1	635	15	0.00610865
0.040742	1	347	10	0.00543776
0.0728235	1	619	18	0.00723857
0.134437	1	1161	31	0.0049081
0.0723769	1	616	16	0.00895111
0.0563335	1	708	19	0.00626754
0.0611076	1	768	19	0.00541128
0.0799346	1	733	20	0.00413128
0.0752414	1	678	19	0.00600272
0.0426738	1	625	17	0.00491693
0.0578711	1	697	20	0.00661182
0.0521507	1	468	13	0.00864215
0.0548074	1	468	13	0.00864215
0.034118	1	758	21	0.00616161
0.0275465	1	612	17	0.0072474
0.0433612	1	612	17	0.0072474
0.056	0.73913	644	13	0.00827139
0.0695294	1	591	17	0.00969263
0.0692606	1	607	17	0.00961318
0.0843529	1	717	15	0.00938366
0.0830491	1	706	20	0.00504052
0.0745905	1	642	17	0.00411363
0.0814676	1	695	17	0.00629403
0.0806545	1	695	17	0.00629403
0.0688142	1	596	17	0.00909235
0.0747027	1	647	18	0.00584382
0.0725882	1	617	18	0.00825374
0.117423	1	1017	27	0.00470507

0.0887059	1	754	21	0.00810367
0.071069	1	607	17	0.00759167
0.0264506	1	599	17	0.00940132
0.0478844	1	610	15	0.00805953
0.0362163	1	675	15	0.00841263
0.0766706	1	654	16	0.00986035
0.131412	1	1117	29	0.00571141
0.122332	1	1089	30	0.00584382
0.0510862	1	602	18	0.00825374
0.0699038	1	596	11	0.00971028
0.0725882	1	617	14	0.00630285
0.0507367	1	699	19	0.00603803
0.0603179	1	831	20	0.00501404
0.0702809	1	608	17	0.00922477
0.0449787	1	709	20	0.00552603
0.0229019	1	626	18	0.00847443
0.0197922	1	541	15	0.00943663
0.0283946	1	601	17	0.00771526
0.0219873	1	601	17	0.00771526
0.0297175	1	629	17	0.00576437
0.0491826	1	1041	29	0.00629403
0.0284891	1	603	16	0.00828022
0.0435434	1	668	19	0.00695609
0.0333191	1	626	18	0.00944545
0.0324675	1	610	17	0.00822726
0.0869412	1	739	20	0.00609099
0.0868492	1	739	20	0.00609099
0.0780993	1	664	14	0.00912766
0.0709178	1	605	14	0.00617927
0.0742	1	633	17	0.00959552
0.071169	1	607	17	0.00816546
0.0643629	1	894	25	0.00656768
0.0685305	1	603	17	0.00996628
0.0976471	1	830	23	0.00552603
0.0692407	1	590	17	0.0076005
0.0697271	1	603	17	0.00976324
0.134195	1	1142	32	0.00930421
0.120727	1	1056	30	0.00858918
0.0735294	1	625	17	0.00870394
0.0707059	1	601	15	0.00722974
0.0838824	1	713	19	0.00498755
0.0797004	1	713	19	0.00498755
0.125662	1	1092	28	0.0048728
0.0714118	1	607	10	0.00835967
0.0712525	1	607	10	0.00835967
0.0791033	1	801	21	0.0068943
0.0956471	1	813	22	0.00571141

0.118307	1	1012	25	0.00405183
0.0230218	1	604	17	0.00955139
0.070892	1	604	17	0.00955139
0.0716471	1	609	18	0.00762698
0.109412	1	930	25	0.0054201
0.0731251	1	625	17	0.0051641
0.0791765	1	673	19	0.00738864
0.0711765	1	605	14	0.00982504
0.0163491	0.204412	680	14	0.00557017
0.0681398	1	700	20	0.005579
0.040428	1	597	12	0.00896877
0.0566253	1	597	12	0.00896877
0.0623011	1	920	18	0.00564962
0.0872617	1	920	18	0.00564962
0.039954	1	590	17	0.00920711
0.0559613	1	590	17	0.00920711
0.0798824	1	679	16	0.0065412
0.0938824	1	798	16	0.0092689
0.0818824	1	696	19	0.0065412
0.109176	1	928	26	0.0047139
0.143724	1	1232	31	0.00630285
0.166471	1	1415	37	0.00639996
0.082431	1	708	20	0.00651472
0.0727675	1	625	18	0.00973676
0.0704391	1	600	16	0.00648823
0.0412145	1	600	17	0.00923359
0.0698275	1	595	16	0.00991331
0.0927835	1	846	24	0.00467859
0.0725882	1	617	17	0.00764464
0.0736471	1	626	18	0.00882753
0.100337	1	864	24	0.00578203
0.0742353	1	631	18	0.00615279
0.102941	1	875	22	0.00631168
0.0525983	1	833	23	0.00414011
0.0717647	1	610	16	0.00655003
0.0717647	1	610	16	0.00655003
0.0874118	1	743	20	0.00848325
0.0722183	1	614	18	0.00973676
0.0478755	1	409	12	0.00956021
0.0517913	1	665	19	0.00771526
0.0782353	1	665	19	0.00771526
0.0695294	1	591	15	0.00684133
0.0715294	1	608	15	0.00739747
0.0750588	1	638	18	0.00640879
0.0686987	1	586	15	0.00837732
0.0702353	1	597	17	0.00940132
0.0757309	1	645	18	0.00545541



0.0714998	1	645	18	0.00545541
0.0937647	1	797	16	0.00411363
0.0764706	1	650	19	0.00601155
0.0735294	1	625	17	0.00882753
0.0684706	1	582	16	0.00858918
0.0724859	1	617	13	0.00904822
0.0427136	1	799	22	0.00714147
0.0342527	1	575	14	0.00922477
0.0676391	1	575	14	0.00922477
0.100822	1	859	19	0.00442259
0.0455294	1	387	11	0.00949842
0.0228467	1	387	11	0.00949842
0.0930588	1	791	22	0.00553486
0.0717647	1	610	17	0.00777705
0.0935074	1	795	18	0.00602037
0.0935294	1	795	18	0.00602037
0.104235	1	886	24	0.00603803
0.0473493	1	702	20	0.00752105
0.0970588	1	825	23	0.00492576
0.126118	1	1072	28	0.00402535
0.0606456	1	697	19	0.00893346
0.0528148	1	607	17	0.00905704
0.116326	1	989	21	0.00923359
0.0706917	1	603	17	0.00758285
0.0671765	1	571	12	0.00912766
0.0704706	1	599	16	0.00511114
0.0725882	1	617	18	0.0083067
0.0607059	1	516	15	0.0087216
0.0693302	1	590	17	0.00995745
0.0692814	1	590	17	0.00995745
0.0783769	1	705	19	0.00895111
0.0801177	1	681	20	0.00858918
0.0419337	1	602	17	0.00966614
0.0498023	1	592	16	0.00782119
0.0703529	1	598	17	0.00693844
0.160824	1	1367	37	0.00489045
0.0686845	1	590	17	0.00716795
0.0844642	1	722	20	0.00980738
0.0422187	1	564	12	0.00976324
0.0728235	1	619	17	0.00879222
0.0796533	1	680	19	0.00882753
0.0754996	1	714	20	0.00535831
0.0812941	1	691	16	0.00712381
0.0452566	1	717	20	0.00882753
0.0451028	1	717	20	0.00882753
0.111677	1	964	24	0.00467859
0.0503612	1	495	12	0.00748574

0.0263123	1	399	10	0.00923359
0.0539436	1	818	23	0.0093307
0.0962353	1	818	23	0.0093307
0.0418723	1	594	16	0.00879222
0.0409994	1	594	16	0.00879222
0.0616805	1	875	25	0.00560548
0.0603948	1	875	25	0.00560548
0.0382989	1	616	15	0.00744161
0.0698824	1	594	15	0.00956021
0.0615701	1	658	18	0.0065412
0.0771848	1	658	18	0.0065412
0.0887059	1	948	20	0.00529652
0.0717647	1	610	16	0.00901291
0.0791643	1	682	19	0.00967497
0.0360619	1	615	17	0.00893346
0.0431367	1	593	17	0.00595858
0.0404706	1	344	10	0.0088187
0.0948235	1	806	23	0.00416659
0.0945344	1	806	23	0.00416659
0.0485414	1	614	17	0.00911001
0.058906	1	588	16	0.00986035
0.0685794	1	588	16	0.00986035
0.0818844	1	697	19	0.00466094
0.10561	1	898	23	0.00492576
0.0691765	1	588	12	0.00926008
0.103219	1	901	22	0.00970145
0.106	1	901	22	0.00970145
0.071521	1	608	14	0.00979856
0.0704706	1	599	16	0.00779471
0.0809412	1	688	19	0.005067
0.0381076	1	646	18	0.00852739
0.117529	1	999	28	0.00519941
0.0790398	1	675	19	0.0070532
0.0736117	1	684	19	0.00900408
0.0767878	1	655	15	0.00840381
0.0400655	1	661	15	0.00867746
0.0679418	1	579	15	0.00858918
0.0597694	1	617	15	0.00874808
0.0606413	1	626	18	0.00932187
0.0788235	1	670	19	0.00841263
0.0780249	1	670	19	0.00841263
0.0829914	1	708	20	0.004555
0.0785206	1	673	19	0.00632051
0.0914118	1	777	21	0.0082096
0.113137	1	968	27	0.00406066
0.0705813	1	601	15	0.00938366
0.0695294	1	591	13	0.00579969

0.0870588	1	740	21	0.00579969
0.0609046	1	847	24	0.00613513
0.0489143	1	847	24	0.00613513
0.0696471	1	592	17	0.00813898
0.119484	1	1018	28	0.00533183
0.0689138	1	597	17	0.00982504
0.070227	1	597	17	0.00923359
0.0798824	1	679	18	0.0064794
0.0533451	1	606	17	0.00970145
0.0712941	1	606	17	0.00970145
0.0701176	1	596	16	0.00902173
0.117018	1	995	27	0.00498755
0.0801177	1	681	18	0.00967497
0.0547059	1	465	13	0.00915415
0.082667	1	703	20	0.00584382
0.0780068	1	670	18	0.00849208
0.0695162	1	592	17	0.0095867
0.0728235	1	619	16	0.00729154
0.137248	1	1185	29	0.00600272
0.0383512	1	588	13	0.00812133
0.0707059	1	601	18	0.00887167
0.0534125	1	864	21	0.00855387
0.0694118	1	590	16	0.00505817
0.0597712	1	768	20	0.00828022
0.0932941	1	793	22	0.00584382
0.0476302	1	612	17	0.00885401
0.0699613	1	596	17	0.00511997
0.0711765	1	605	17	0.00949842
0.0670588	1	570	12	0.00779471
0.0874036	1	748	21	0.00469624
0.0725995	1	620	18	0.00956021
0.0558144	1	599	16	0.00729154
0.0725882	1	617	18	0.00923359
0.0668334	1	588	17	0.00909235
0.0878824	1	747	21	0.00611748
0.0712358	1	607	17	0.00707968
0.0684706	1	582	17	0.0079536
0.0882899	1	1189	31	0.0041048
0.113247	1	966	27	0.0039459
0.113474	1	966	27	0.0039459
0.0716295	1	611	12	0.00470507
0.0447551	0.623568	611	12	0.00470507
0.0691765	1	588	17	0.00865098
0.0737647	1	627	18	0.00640879
0.0707059	1	601	16	0.00948959
0.157591	1	1340	32	0.00478452
0.0694118	1	590	17	0.00641761

0.0737213	1	627	18	0.00973676
0.0489586	1	637	18	0.00979856
0.0745204	1	637	18	0.00979856
0.0769142	1	668	18	0.00504052
0.0544706	0.60841	761	22	0.00931304
0.0733505	1	627	17	0.00758285
0.0684371	1	585	11	0.00835967
0.0691765	1	588	13	0.00712381
0.0748235	1	636	13	0.00959552
0.0474308	1	636	13	0.00959552
0.0473549	1	444	13	0.00900408
0.0698824	1	594	17	0.00700906
0.0948132	1	850	24	0.00427252
0.0572236	1	587	17	0.00789181
0.0708235	1	602	17	0.00933952
0.109762	1	940	26	0.00723857
0.0698629	1	596	17	0.00656768
0.0437952	1	703	19	0.00541128
0.0794352	1	737	21	0.00971028
0.0705085	1	624	18	0.0048728
0.0877966	1	777	22	0.00808601
0.0714118	1	607	17	0.00888049
0.0990588	1	842	23	0.00501404
0.0417368	1	595	16	0.00639996
0.151562	1	1358	29	0.005323
0.0992941	1	844	24	0.00675306
0.0940908	1	906	23	0.00512879
0.0624706	0.672152	790	21	0.00529652
0.0661176	1	562	10	0.00805953
0.0805693	1	685	18	0.00637347
0.0732709	1	642	18	0.00634699
0.0673066	1	589	16	0.00723857
0.0731487	1	729	21	0.00636465
0.121808	1	1040	18	0.00956021
0.0708235	1	602	17	0.00829788
0.0699512	1	602	17	0.00829788
0.0501127	1	645	14	0.00783002
0.0629371	0.987013	693	19	0.00979856
0.119765	1	1018	29	0.005067
0.069099	1	589	15	0.00899525
0.0687261	1	594	16	0.00617044
0.100824	1	857	24	0.0089776
0.0703878	1	599	17	0.00745926
0.071857	1	611	17	0.00833319
0.0322353	0.448445	611	17	0.00833319
0.0787059	1	669	19	0.00890698
0.104471	1	888	25	0.00970145

0.0824706	1	701	20	0.00742395
0.0714118	1	607	17	0.0095249
0.0688235	1	585	16	0.00920711
0.0389069	1	588	14	0.00920711
0.121647	1	1034	30	0.00504052
0.0398824	1	339	10	0.00895111
0.0703529	1	598	17	0.00756519
0.102941	1	875	24	0.00572024
0.0711765	1	605	17	0.00815664
0.0841176	1	715	15	0.00611748
0.069373	1	593	13	0.00819195
0.0696009	1	593	13	0.00819195
0.0804706	1	684	19	0.00681485
0.0691765	1	588	12	0.0082096
0.0718824	1	611	17	0.00925125
0.0704706	1	599	16	0.00621458
0.074705	1	728	20	0.00636465
0.0633145	1	617	18	0.00986918
0.0838356	1	918	25	0.00450204
0.108	1	918	25	0.00450204
0.0355278	1	592	17	0.00979856
0.04549	1	758	21	0.00563196
0.036188	1	603	17	0.00973676
0.0330002	1	677	19	0.00515528
0.0692941	1	589	17	0.0069914
0.0884602	0.990777	759	20	0.0064794
0.132	1	1122	31	0.00536714
0.0729412	1	620	14	0.0090747
0.0425457	1	601	17	0.00933952
0.0723529	1	615	18	0.00860684
0.0732941	1	623	18	0.00970145
0.134235	1	1141	25	0.00657651
0.0701858	1	597	17	0.00971028
0.0536027	1	459	13	0.00877456
0.0379988	1	619	15	0.0061881
0.0705882	1	600	17	0.00915415
0.103032	1	880	21	0.0052259
0.0885808	1	754	21	0.00834201
0.0400794	1	545	15	0.0064794
0.0980736	1	840	18	0.00904822
0.0712864	1	609	17	0.00918946
0.0766445	1	656	19	0.00693844
0.0716205	1	613	14	0.00749457
0.0727059	1	618	17	0.00925125
0.0723529	1	615	16	0.00685899
0.0543467	1	542	19	0.00973676
0.0865882	1	736	21	0.00629403

0.0725882	1	617	41	0.00994862
0.0718824	1	611	17	0.00717678
0.084303	1	768	21	0.00820077
0.0722353	1	614	17	0.00882753
0.0593115	1	622	16	0.00585265
0.0715294	1	608	14	0.00927773
0.0709412	1	603	17	0.0072474
0.0729412	1	620	17	0.00538479
0.0988031	1	842	23	0.00645292
0.118355	1	1013	28	0.00538479
0.119176	1	1013	28	0.00538479
0.0738176	1	629	17	0.00655003
0.0259176	1	877	25	0.00639996
0.018293	1	619	18	0.00930421
0.027277	1	923	26	0.00609982
0.026154	1	885	25	0.0043608
0.0832124	1	860	24	0.00538479
0.0719206	1	616	17	0.00809484
0.0720374	1	617	17	0.00671775
0.0777647	1	661	18	0.0083685
0.0510588	0.726968	597	16	0.00779471
0.0753545	1	643	18	0.00885401
0.0709412	1	603	17	0.00825374
0.0744908	1	801	20	0.00497873
0.071328	1	608	17	0.00976324
0.0836471	1	711	18	0.00495224
0.0844906	1	724	19	0.00521707
0.096	1	816	23	0.0087216
0.0808235	1	687	17	0.0095867
0.0729412	1	620	18	0.00953373
0.0718824	1	611	17	0.00783002
0.0708069	1	602	17	0.00923359
0.0701141	1	602	17	0.00923359
0.0618742	1	896	26	0.00659416
0.0784706	1	667	19	0.00579969
0.0745882	1	634	17	0.00560548
0.0851839	1	725	19	0.00636465
0.0937282	1	807	22	0.00460797
0.0705882	1	600	17	0.00847443
0.0728235	1	619	14	0.00519941
0.0690588	1	587	16	0.00692078
0.0510228	1	434	10	0.00996628
0.0510588	1	434	10	0.00996628
0.0789412	1	671	19	0.00989566
0.0711765	1	605	17	0.00993097
0.0984086	1	841	23	0.00507583
0.0701176	1	596	17	0.00712381

0.0790588	1	672	19	0.00710616
0.0579423	1	615	15	0.00693844
0.0599452	1	525	15	0.00923359
0.0616197	1	525	15	0.00923359
0.070196	1	598	17	0.0099398
0.123137	1	1049	26	0.00953373
0.0681791	1	580	15	0.00857153
0.13669	1	1162	31	0.00504052
0.0884706	1	752	19	0.00930421
0.0692932	1	598	17	0.00981621
0.0652375	1	563	12	0.00986918
0.0750642	1	643	16	0.00825374
0.08629	1	788	22	0.0039459
0.124471	1	1058	27	0.00404301
0.0824706	1	701	20	0.00594093
0.0879561	1	769	22	0.00639996
0.0629803	1	672	19	0.00594093
0.0739232	1	635	17	0.00951608
0.0214046	1	516	15	0.00888932
0.0709055	1	610	17	0.0079536
0.0637096	1	925	26	0.00511997
0.0546509	1	490	14	0.00462562
0.0559893	1	502	14	0.00828022
0.0692069	1	603	16	0.00957787
0.104	1	884	19	0.00595858
0.0414225	1	615	15	0.00970145
0.0668148	1	992	26	0.00900408
0.0834598	1	715	21	0.00835967
0.0802774	1	683	19	0.00964849
0.0443311	1	739	21	0.00586148
0.0940955	1	800	21	0.00956021
0.0784706	1	667	19	0.00397239
0.0856471	1	728	20	0.0082096
0.131022	1	1115	31	0.00558783
0.038652	1	601	15	0.00981621
0.0711597	1	605	13	0.0092689
0.0762353	1	648	15	0.00520824
0.0872765	1	747	18	0.00657651
0.0715294	1	608	17	0.00779471
0.112235	1	954	27	0.0052259
0.0477927	1	747	21	0.00527003
0.0441176	0.618812	606	17	0.00845677
0.0363177	1	589	14	0.00805953
0.0718824	1	611	17	0.00892463
0.0671765	1	571	16	0.00775057
0.0807505	1	964	24	0.00648823
0.116353	1	989	27	0.00538479

0.0537716	1	494	14	0.00986035
0.0723529	1	615	13	0.00894229
0.0394755	1	587	24	0.00969263
0.067816	1	594	17	0.00893346
0.0542031	1	806	21	0.0049081
0.0747273	1	644	18	0.00616161
0.0602353	1	512	15	0.00904822
0.0756471	1	643	18	0.00804188
0.038075	1	591	13	0.00731802
0.0400077	1	621	18	0.00529652
0.0723018	1	621	18	0.00529652
0.0413607	1	642	13	0.00395473
0.0621875	1	597	16	0.00902173
0.0522501	1	447	13	0.00859801
0.0724706	1	616	17	0.00717678
0.0699682	1	616	17	0.00717678
0.0692976	1	590	16	0.0099398
0.0991765	1	843	22	0.00613513
0.0743529	1	632	12	0.00486397
0.0837709	1	718	20	0.00766229
0.0549441	1	609	10	0.009622
0.0686646	1	598	17	0.00820077
0.117915	1	1088	28	0.009622
0.12767	1	1088	28	0.009622
0.0749412	1	637	18	0.00783002
0.0746339	1	637	18	0.00783002
0.133435	1	1137	28	0.00875691
0.0885882	1	753	21	0.00613513
0.0838824	1	713	20	0.00617927
0.0696471	1	592	17	0.00840381
0.0938885	1	805	23	0.00617927
0.0940091	1	805	23	0.00617927
0.0535442	1	491	14	0.00970145
0.064	1	544	11	0.00957787
0.0932941	1	793	22	0.00633817
0.0741765	1	644	17	0.00469624
0.0692046	1	589	15	0.00751223
0.0689139	1	599	17	0.00943663
0.076905	1	654	18	0.00966614
0.0696343	1	596	14	0.00976324
0.0701176	1	596	17	0.00847443
0.0727108	1	644	18	0.00888049
0.115627	1	990	27	0.00621458
0.0703529	1	598	17	0.00913649
0.0708504	1	604	16	0.00913649
0.0716046	1	610	18	0.00920711
0.047998	1	754	21	0.00895111



0.0703529	1	598	16	0.00921594
0.0528631	1	649	17	0.00570258
0.0680696	1	579	16	0.0097809
0.0716684	1	918	23	0.00617044
0.0688731	1	591	17	0.00807719
0.0557494	1	799	23	0.00563196
0.0199257	0.423029	799	23	0.00563196
0.109818	1	934	27	0.00637347
0.0368443	1	609	16	0.00576437
0.0366628	1	606	17	0.00911884
0.0777373	1	661	18	0.00742395
0.0434225	1	610	17	0.00923359
0.0409311	1	575	15	0.00924242
0.0694673	1	592	16	0.00903056
0.0724774	1	617	17	0.00865981
0.0690296	1	594	17	0.00664713
0.0752589	1	654	19	0.00756519
0.0876471	1	745	21	0.00515528
0.0983735	1	877	24	0.00999276
0.0634003	1	1162	30	0.00504052
0.0717736	1	624	16	0.00561431
0.0824259	1	704	20	0.00971911
0.0749412	1	637	18	0.00956021
0.0744768	1	637	18	0.00956021
0.0768235	1	653	18	0.00738864
0.0763475	1	653	18	0.00738864
0.0691787	1	593	17	0.00793595
0.067029	1	592	16	0.00858918
0.0717309	1	610	17	0.0066383
0.0622391	1	656	14	0.00902173
0.0709253	1	604	17	0.00762698
0.0888915	1	757	22	0.00520824
0.0910588	1	774	22	0.0095867
0.136706	1	1162	49	0.00529652
0.122407	1	1776	49	0.00659416
0.0795294	1	676	18	0.0095867
0.0349946	1	620	17	0.00822726
0.0345431	1	612	17	0.00708851
0.0748036	1	638	18	0.00764464

Fraction of negatively enriched windows in region	MAT-score on T(HETC vs. HETHF)
1	-3.57979
1	-3.87235
0	3.97963
1	-3.65112
0	4.10252
0	4.18193
0	3.79328
0	3.79328
1	-3.7013
0	4.09611
0	3.81357
0	4.20772
0	3.8647
1	-3.66082
0	4.04169
0	3.77584
0	4.24536
1	-3.92136
0	3.86511
0	3.80181
0	4.09934
0	3.72492
1	-3.60502
0	3.76682
0	3.76315
0	4.19265
0	4.09404
1	-3.59117
0	3.93046
1	-3.63175
0	4.11471
1	-3.61596
1	-3.6115
0	4.09408
0	3.8748
0	3.78648
0	4.03275
0	4.04659
1	-3.6719
0	3.78608
0	4.15311
1	-3.87188
1	-3.68515
1	-3.68515

1	-3.62524
1	-3.61881
1	-3.64065
1	-3.92685
1	-3.86532
1	-3.58033
1	-3.956
1	-3.57485
1	-3.78337
1	-3.57886
0	4.17147
0	3.74074
0	4.00674
0	3.79934
0	4.215
0	4.03007
0	4.07086
0	4.17059
0	4.33825
0	4.13018
0	3.90272
0	3.90272
1	-3.5817
0	3.74819
0	3.83112
0	3.83611
0	3.98312
1	-3.64102
1	-3.80596
1	-3.63018
0	3.74425
1	-3.82295
0	3.91404
0	3.91404
0	3.77848
0	3.806
0	4.08657
0	3.7593
0	3.7593
0	4.1519
0	4.27349
1	-3.61478
1	-3.61478
0	3.97791
0	3.71293
1	-3.7493
1	-3.63772

0	3.84212
0	4.26412
0	4.06946
0	4.11002
0	4.11145
0	3.71809
0	3.71809
0	3.85127
0	3.71942
0	3.79061
0	3.79061
1	-4.01914
0	3.7288
0	3.87206
0	3.87206
1	-3.86441
0	4.0508
0	4.30607
1	-3.62959
1	-3.62959
1	-3.98911
0	3.85591
0	3.71375
1	-3.80368
0	4.26599
1	-3.57187
0	4.02122
0	3.96173
0	3.76678
0	4.24542
0	3.77182
0	4.28677
1	-3.73202
1	-3.57704
0	4.09899
0	4.00059
0	4.09726
1	-3.6513
1	-3.81929
0	4.00243
0	4.01383
0	4.01383
1	-3.69731
0	4.12168
1	-3.59916
1	-3.65091
0	4.25213

0	3.91559
1	-3.57875
0	4.09612
0	3.83715
1	-3.89273
0	4.03858
0	3.81865
1	-3.65832
0	4.23664
0	4.20277
0	4.1014
0	3.81143
0	4.19207
0	4.0543
0	4.21603
1	-3.732
0	3.71202
0	3.789
1	-3.62049
0	3.93284
0	4.25554
0	4.11674
1	-3.66203
0	4.16753
0	4.16753
1	-3.61802
0	3.80797
1	-3.63418
0	4.04987
0	4.05565
0	4.08288
1	-3.59535
1	-3.87545
0	3.71408
0	3.71408
0	4.28302
0	4.28302
1	-3.81404
1	-3.5728
1	-3.60509
0	4.08551
0	3.75002
0	4.1065
0	3.75528
0	3.75528
1	-3.77363
0	4.05601

0	4.01962
0	4.15552
0	3.71567
0	3.77229
0	3.77229
0	3.87743
0	3.71318
0	4.10744
0	3.7151
1	-3.70478
0	3.82998
1	-3.88141
1	-3.66845
0	4.06932
0	4.05611
0	3.79978
0	4.17094
1	-3.62291
1	-3.62291
0	3.84443
0	3.80825
0	4.14364
0	3.89524
1	-3.59138
0	4.17169
1	-3.59817
0	4.00484
0	4.02474
0	4.12029
1	-3.92385
0	4.33142
0	3.72545
0	4.01853
0	4.12504
0	3.90366
0	3.90366
1	-3.67748
1	-3.57626
1	-3.57878
0	4.00876
0	4.00876
0	4.20197
0	4.0274
0	3.7125
0	4.00052
0	4.00052
1	-3.9327

0	4.11653
1	-3.58944
0	3.96804
0	3.83505
1	-3.60852
0	4.06726
0	3.92316
0	3.92316
0	3.92041
0	3.80865
1	-3.57743
1	-3.77918
1	-3.58182
0	3.9637
0	3.77651
0	4.06946
0	4.00859
0	4.12865
0	3.74694
0	4.04638
1	-3.62176
0	3.90382
1	-3.85327
1	-3.69226
1	-3.78885
1	-4.02996
0	3.75574
0	3.72099
0	3.72099
1	-3.64546
1	-3.65028
0	4.04281
0	3.7284
0	4.0121
0	4.26248
0	4.15955
0	4.28858
0	4.06792
0	4.26659
0	3.85029
1	-3.6259
0	3.92686
1	-4.02391
1	-3.75674
1	-3.95538
0	4.08303
0	4.09829

0	3.9759
0	3.72169
0	4.03834
0	4.04703
0	3.84809
0	4.21651
1	-3.80437
0	4.28472
1	-3.63383
0	3.85442
0	4.0566
1	-3.88175
1	-3.88175
0	4.2188
1	-3.59337
0	4.22497
0	4.32641
0	3.74108
0	4.00575
0	3.95137
0	3.73667
0	3.79519
0	3.84144
0	3.77269
0	4.14689
0	4.00985
0	4.01155
0	4.11722
1	-3.75513
0	3.75006
0	4.01247
0	4.01247
0	4.01717
0	4.01717
0	4.09963
0	3.88025
0	4.07821
0	4.01442
0	4.15477
0	3.82716
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0	4.02797
0	4.19268
0	4.14338
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0	4.28876
0	3.75513



0	4.22211
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0	4.28333
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0	3.77844
0	3.72333
0	3.72333
0	4.00003
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0	4.12593
0	4.14544
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0	3.81412
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0	3.73906
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0	4.19215
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0	3.78574
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0	4.32762
0	4.32762
0	3.77146
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0	3.85392
0	4.11391
1	-3.67172
0	3.82143
0	3.9601
0	3.9601
0	4.05238
0	3.91628
0	4.02807
0	3.82919
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0	4.26977
0	4.15769
0	4.05182
0	4.29808
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1	-3.57515
0	4.11248
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0	3.93987
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0	4.19871
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0	3.98434
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0	4.0144

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0	4.12973
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0	4.04089
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0	4.15279
1	-3.58278
1	-3.8533
0	4.18
0	4.08723
1	-3.7038
1	-3.65988
1	-3.67689
1	-3.6108
0	4.16958
0	4.16958
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5

**WT H3K9me3**

1

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3

4

5

**HET H3K14ac**

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4

5

**HET H3K9me3**

1

2

3

4

5

ACCEPTED MANUSCRIPT

**Top Networks**

Lipid Metabolism, Molecular Transport, Small Molecule Biochemistry  
Cancer, Immunological Disease, Drug Metabolism  
Reproductive System Disease, Cell Death, Cell-To-Cell Signaling and Interaction  
Lipid Metabolism, Molecular Transport, Small Molecule Biochemistry  
Inflammatory Response, Renal and Urological Disease, Cellular Movement

Lipid Metabolism, Small Molecule Biochemistry, Energy Production  
Embryonic Development, Organ Development, Organismal Development  
Lipid Metabolism, Molecular Transport, Small Molecule Biochemistry  
Lipid Metabolism, Small Molecule Biochemistry, Vitamin and Mineral Metabolism  
Lipid Metabolism, Small Molecule Biochemistry, Vitamin and Mineral Metabolism

Lipid Metabolism, Small Molecule Biochemistry, Molecular Transport  
Cellular Movement, Hematological System Development and Function, Immune Cell Trafficking  
Cell Cycle, Gene Expression, Cellular Movement  
Cardiovascular System Development and Function, Organismal Development, Tissue Development  
Lipid Metabolism, Small Molecule Biochemistry, Vitamin and Mineral Metabolism

Lipid Metabolism, Small Molecule Biochemistry, Vitamin and Mineral Metabolism  
Lipid Metabolism, Small Molecule Biochemistry, Vitamin and Mineral Metabolism  
Cell Morphology, Cellular Growth and Proliferation, Connective Tissue Development and Function  
Carbohydrate Metabolism, Gene Expression, Gastrointestinal Disease  
Lipid Metabolism, Molecular Transport, Small Molecule Biochemistry

number
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14
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33
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28
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10
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6
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5
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5
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ACCEPTED MANUSCRIPT

## Primers used for CHIP-qPCR

<b>PPAR<math>\gamma</math> Forward</b>	TTATTCCCACCTCTCCCAA
<b>PPAR<math>\gamma</math> Reverse</b>	ATGCTCTGGGTCAACAGGAG
<b>PPAR<math>\alpha</math> Forward</b>	AGAGGGCACACGCTAGGAAG
<b>PPAR<math>\alpha</math> Reverse</b>	AAACAGCTGCGAACACCAAT
<b>RXRA Forward</b>	CTGATGCAGGCACTACCAGA
<b>RXRA Reverse</b>	AATGCCTTGGGTTGCACTAC
<b>RORA Forward</b>	AACCGGATTTGTCTCCTCCT
<b>RORA Reverse</b>	CCCAGCTACAGAAAGGATCG

Molecule Name	Entrez Gene for Mouse
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Amd1	100041585 100043304 11702
Aph1a	226548
ARHGAP23	58996
ARHGAP24	231532
ARMCX6	278097
ASPDH	68352
BCL9	77578
BCL9L	80288
CASK	12361
CLDN2	12738
DXBay18	574405
EFNA2	13637
EIF4A1	13681
FOXP3	20371
Gm4981	245263
Klra4	16638 16640 16634 16628 16630 16627 16637 16635 16636 16639 16631
KRTAP1-5	629873
LOC728307	546325 574404 434795 434797
MAGEE2	272790
MBNL3	171170
MID1	17318
MID2	23947
NRIP1	268903
PCDHAC2	353237
PCDHB10	93889
PCDHB15	93893
PCDHGA3	93711
RHOBTB1	69288
Rhox4b	434759 664610 57737 194856 664609 664608 636177
RLIM	19820
RPL36A	19982 66483 100040331
SFI1	78887
SLC25A10	27376
SNRNP48	67797
SPRR2A	20765 20756 20755 20758 20762 20760 20759
TBC1D22B	381085
UBE2O	217342
USP20	74270

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<b>Xlr3c</b>	22446 22445 574437
<b>Xlr4a</b>	434794 667387 27083 72891
<b>Xlr5a</b>	27084 574438 627081
<b>ZDHHC15</b>	108672