

ID	Gene	Strand	ERV Length	Genus
Ec2_chr1_9936028_9936659	GAG	+	631	gamma
Ec2_chr1_9939632_9940101	POL	+	469	gamma
Ec2_chr1_9940303_9941012	POL	+	709	gamma
Ec2_chr1_10885755_10886199	POL	-	444	epsilon
Ec2_chr1_10886586_10887143	POL	-	557	epsilon
Ec2_chr1_10888308_10888718	POL	-	410	gamma
Ec2_chr1_20306585_20307047	ENV	-	462	gamma
Ec2_chr1_22575142_22575754	POL	-	612	beta
Ec2_chr1_26247756_26248231	POL	-	475	epsilon
Ec2_chr1_27395277_27395900	GAG	+	623	gamma
Ec2_chr1_27396921_27398755	POL	+	1834	gamma
Ec2_chr1_27399081_27399597	POL	+	516	gamma
Ec2_chr1_27906153_27906775	GAG	-	622	gamma
Ec2_chr1_29647216_29647784	POL	-	568	gamma
Ec2_chr1_29647827_29648316	POL	-	489	gamma
Ec2_chr1_33908640_33908943	POL	-	303	gamma
Ec2_chr1_34476761_34477208	POL	-	447	gamma
Ec2_chr1_34480284_34480902	GAG	-	618	gamma
Ec2_chr1_40862621_40862984	ENV	-	363	gamma
Ec2_chr1_40864782_40865339	POL	-	557	gamma
Ec2_chr1_40865622_40866069	POL	-	447	epsilon
Ec2_chr1_40866302_40866978	POL	-	676	epsilon
Ec2_chr1_46124831_46125252	POL	-	421	gamma
Ec2_chr1_46125656_46126652	POL	-	996	gamma
Ec2_chr1_46126704_46127539	POL	-	835	gamma
Ec2_chr1_46128279_46128665	GAG	-	386	gamma
Ec2_chr1_46866710_46867106	POL	-	396	gamma
Ec2_chr1_46867645_46869535	POL	-	1890	gamma
Ec2_chr1_46870298_46870854	GAG	-	556	gamma
Ec2_chr1_46938353_46938866	GAG	+	513	gamma
Ec2_chr1_46940099_46940675	POL	+	576	gamma
Ec2_chr1_46940739_46941487	POL	+	748	epsilon
Ec2_chr1_46941922_46942289	POL	+	367	gamma
Ec2_chr1_53392015_53392615	POL	-	600	beta
Ec2_chr1_58369629_58369935	POL	+	306	gamma
Ec2_chr1_58369963_58370567	POL	+	604	epsilon
Ec2_chr1_58371768_58372223	POL	+	455	epsilon
Ec2_chr1_67102946_67103324	POL	-	378	gamma
Ec2_chr1_67109732_67110140	GAG	-	408	gamma
Ec2_chr1_75986260_75987423	POL	+	1163	gamma
Ec2_chr1_78324470_78325386	POL	+	916	epsilon
Ec2_chr1_82569516_82570038	POL	-	522	beta
Ec2_chr1_88965033_88965465	POL	-	432	gamma
Ec2_chr1_89000583_89001009	POL	+	426	gamma
Ec2_chr1_89084844_89085261	GAG	+	417	gamma
Ec2_chr1_92094274_92094743	POL	-	469	epsilon
Ec2_chr1_92094935_92095718	POL	-	783	epsilon
Ec2_chr1_98768638_98769250	POL	+	612	gamma
Ec2_chr1_101590848_101591776	POL	-	928	epsilon

Ec2_chr1_101591884_101592205	POL	-	321	epsilon
Ec2_chr1_105942850_105943757	POL	+	907	gamma
Ec2_chr1_105943848_105944770	POL	+	922	gamma
Ec2_chr1_110166631_110167123	POL	+	492	gamma
Ec2_chr1_110446346_110446852	POL	-	506	epsilon
Ec2_chr1_111610873_111611493	GAG	+	620	gamma
Ec2_chr1_111612245_111614154	POL	+	1909	gamma
Ec2_chr1_111614295_111614980	POL	+	685	gamma
Ec2_chr1_112673085_112673697	POL	-	612	beta
Ec2_chr1_112982773_112983447	POL	-	674	epsilon
Ec2_chr1_113045755_113046180	ENV	-	425	gamma
Ec2_chr1_116006168_116006849	POL	+	681	gamma
Ec2_chr1_126885389_126886180	POL	+	791	epsilon
Ec2_chr1_126886529_126887027	POL	+	498	gamma
Ec2_chr1_126888809_126889172	ENV	+	363	gamma
Ec2_chr1_130483261_130484730	POL	-	1469	epsilon
Ec2_chr1_134517514_134517924	POL	-	410	epsilon
Ec2_chr1_135154895_135155857	POL	+	962	epsilon
Ec2_chr1_144541650_144541985	GAG	-	335	gamma
Ec2_chr1_157719245_157719554	POL	+	309	gamma
Ec2_chr1_161956586_161956890	POL	+	304	gamma
Ec2_chr1_171384312_171384715	POL	-	403	gamma
Ec2_chr1_177342554_177343297	POL	-	743	gamma
Ec2_chr1_177343354_177344190	POL	-	836	gamma
Ec2_chr1_177345208_177345833	GAG	-	625	gamma
Ec2_chr1_179445610_179446238	GAG	+	628	gamma
Ec2_chr1_183834932_183835301	GAG	+	369	gamma
Ec2_chr2_110748_111090	POL	+	342	gamma
Ec2_chr2_144118_144770	POL	+	652	epsilon
Ec2_chr2_6455621_6456245	POL	-	624	epsilon
Ec2_chr2_11714764_11715385	GAG	+	621	gamma
Ec2_chr2_11716141_11718064	POL	+	1923	gamma
Ec2_chr2_15923539_15924058	POL	-	519	epsilon
Ec2_chr2_17658518_17659204	POL	-	686	epsilon
Ec2_chr2_22141679_22142036	ENV	-	357	gamma
Ec2_chr2_28750853_28751207	ENV	+	354	gamma
Ec2_chr2_29988749_29989053	POL	+	304	epsilon
Ec2_chr2_29989913_29990251	POL	+	338	epsilon
Ec2_chr2_40005585_40006110	POL	-	525	epsilon
Ec2_chr2_60574611_60574973	POL	-	362	gamma
Ec2_chr2_60575446_60576701	POL	-	1255	gamma
Ec2_chr2_60576708_60577169	POL	-	461	gamma
Ec2_chr2_64985152_64986542	POL	+	1390	epsilon
Ec2_chr2_64987021_64987432	POL	+	411	gamma
Ec2_chr2_65845204_65845582	ENV	+	378	gamma
Ec2_chr2_67009202_67009544	POL	+	342	epsilon
Ec2_chr2_71390564_71390990	POL	-	426	gamma
Ec2_chr2_71391904_71392841	POL	-	937	gamma
Ec2_chr2_79799711_79800238	POL	-	527	gamma
Ec2_chr2_94457355_94457767	POL	-	412	epsilon

Ec2_chr2_94457784_94458131	POL	-	347	gamma
Ec2_chr2_99454470_99454838	POL	+	368	gamma
Ec2_chr2_99454850_99456268	POL	+	1418	epsilon
Ec2_chr2_99456768_99457098	POL	+	330	epsilon
Ec2_chr2_107835627_107835981	ENV	-	354	gamma
Ec2_chr2_108241240_108241563	POL	+	323	epsilon
Ec2_chr2_110513994_110514691	POL	+	697	gamma
Ec2_chr2_117720379_117720808	POL	-	429	gamma
Ec2_chr2_117721912_117722341	POL	-	429	gamma
Ec2_chr2_118396163_118396745	POL	+	582	epsilon
Ec2_chr2_119104378_119104681	POL	+	303	gamma
Ec2_chr3_9778108_9778423	GAG	+	315	
Ec2_chr3_10459549_10460899	POL	+	1350	gamma
Ec2_chr3_10461121_10461691	POL	+	570	gamma
Ec2_chr3_30243557_30243890	ENV	-	333	gamma
Ec2_chr3_38267129_38267558	POL	-	429	epsilon
Ec2_chr3_38267736_38268063	POL	-	327	epsilon
Ec2_chr3_38268094_38268427	POL	-	333	epsilon
Ec2_chr3_39993223_39993958	POL	-	735	epsilon
Ec2_chr3_44849859_44850166	POL	+	307	epsilon
Ec2_chr3_47288107_47288736	POL	+	629	epsilon
Ec2_chr3_47288921_47289461	POL	+	540	epsilon
Ec2_chr3_47289979_47290460	POL	+	481	epsilon
Ec2_chr3_49645780_49646131	POL	-	351	epsilon
Ec2_chr3_50174864_50175227	POL	-	363	epsilon
Ec2_chr3_55602764_55603088	POL	+	324	epsilon
Ec2_chr3_55603431_55603818	POL	+	387	epsilon
Ec2_chr3_55604722_55605164	POL	+	442	epsilon
Ec2_chr3_58958988_58959390	GAG	+	402	gamma
Ec2_chr3_58960311_58960719	POL	+	408	gamma
Ec2_chr3_61835781_61836089	POL	+	308	epsilon
Ec2_chr3_65127832_65128260	POL	-	428	gamma
Ec2_chr3_91161997_91162377	POL	+	380	gamma
Ec2_chr3_91162383_91163163	POL	+	780	epsilon
Ec2_chr3_91163303_91163810	POL	+	507	epsilon
Ec2_chr3_91388424_91388829	POL	-	405	gamma
Ec2_chr3_91391716_91392058	POL	-	342	gamma
Ec2_chr3_91392343_91392969	GAG	-	626	gamma
Ec2_chr3_112005963_112006297	GAG	+	334	gamma
Ec2_chr3_112007095_112007790	POL	+	695	gamma
Ec2_chr4_1611335_1611692	ENV	+	357	gamma
Ec2_chr4_6518222_6518626	POL	-	404	epsilon
Ec2_chr4_15621082_15622536	POL	+	1454	epsilon
Ec2_chr4_23043774_23044119	POL	-	345	epsilon
Ec2_chr4_23044520_23045311	POL	-	791	epsilon
Ec2_chr4_23591558_23591956	POL	+	398	epsilon
Ec2_chr4_24026124_24027434	POL	+	1310	gamma
Ec2_chr4_24027943_24028405	POL	+	462	gamma
Ec2_chr4_25457237_25457540	POL	+	303	gamma
Ec2_chr4_25477015_25477454	POL	-	439	gamma

Ec2_chr4_25505543_25505980	GAG	-	437	gamma
Ec2_chr4_26039174_26039809	GAG	+	635	gamma
Ec2_chr4_40956558_40957014	POL	+	456	epsilon
Ec2_chr4_47584486_47585178	POL	+	692	gamma
Ec2_chr4_55650977_55652256	POL	-	1279	epsilon
Ec2_chr4_55652284_55652616	POL	-	332	gamma
Ec2_chr4_58027687_58028261	POL	+	574	gamma
Ec2_chr4_65656572_65658019	POL	+	1447	epsilon
Ec2_chr4_74046169_74047277	POL	-	1108	epsilon
Ec2_chr4_79134751_79135078	POL	+	327	epsilon
Ec2_chr4_79135143_79135793	POL	+	650	epsilon
Ec2_chr4_79135800_79136567	POL	+	767	epsilon
Ec2_chr4_82191627_82192344	POL	+	717	gamma
Ec2_chr4_82192896_82193475	POL	+	579	epsilon
Ec2_chr4_93405496_93406012	POL	+	516	epsilon
Ec2_chr4_96467497_96468385	POL	-	888	epsilon
Ec2_chr4_96468572_96469016	POL	-	444	epsilon
Ec2_chr5_4692_5029	POL	-	337	gamma
Ec2_chr5_3089502_3089821	POL	-	319	gamma
Ec2_chr5_7465844_7466432	POL	-	588	epsilon
Ec2_chr5_7466547_7466958	POL	-	411	epsilon
Ec2_chr5_7467429_7467974	POL	-	545	epsilon
Ec2_chr5_8821263_8821714	POL	-	451	epsilon
Ec2_chr5_8822269_8822719	POL	-	450	epsilon
Ec2_chr5_8822725_8823106	POL	-	381	gamma
Ec2_chr5_9058218_9058569	POL	+	351	epsilon
Ec2_chr5_11241289_11242417	POL	-	1128	epsilon
Ec2_chr5_16077616_16077988	GAG	+	372	gamma
Ec2_chr5_16079437_16079759	POL	+	322	gamma
Ec2_chr5_16132191_16132803	POL	-	612	beta
Ec2_chr5_16158700_16159312	POL	-	612	beta
Ec2_chr5_16167771_16168383	POL	-	612	beta
Ec2_chr5_16414793_16415402	POL	+	609	beta
Ec2_chr5_20048229_20048808	POL	-	579	gamma
Ec2_chr5_20052004_20052356	GAG	-	352	gamma
Ec2_chr5_21514284_21514884	POL	+	600	beta
Ec2_chr5_27326297_27326654	ENV	-	357	gamma
Ec2_chr5_27328826_27330748	POL	-	1922	gamma
Ec2_chr5_27331501_27332123	GAG	-	622	gamma
Ec2_chr5_32011016_32011447	POL	-	431	gamma
Ec2_chr5_32011858_32012205	POL	-	347	gamma
Ec2_chr5_32012957_32013481	POL	-	524	gamma
Ec2_chr5_32013590_32014063	POL	-	473	gamma
Ec2_chr5_32014603_32015082	GAG	-	479	gamma
Ec2_chr5_36148235_36148751	POL	-	516	gamma
Ec2_chr5_39528313_39528753	POL	-	440	gamma
Ec2_chr5_39530407_39530963	POL	-	556	gamma
Ec2_chr5_39531757_39532372	GAG	-	615	gamma
Ec2_chr5_40214696_40215170	POL	-	474	gamma
Ec2_chr5_40215486_40216048	POL	-	562	gamma

Ec2_chr5_44002050_44002431	POL	-	381	epsilon
Ec2_chr5_44222464_44223078	GAG	-	614	gamma
Ec2_chr5_44868327_44868927	POL	-	600	beta
Ec2_chr5_47321217_47321676	POL	+	459	epsilon
Ec2_chr5_63341326_63341754	POL	-	428	gamma
Ec2_chr5_77380618_77381261	GAG	+	643	gamma
Ec2_chr5_77383980_77384677	POL	+	697	gamma
Ec2_chr5_78217485_78217937	POL	-	452	gamma
Ec2_chr5_79127892_79128249	ENV	+	357	gamma
Ec2_chr5_91271663_91272152	POL	+	489	epsilon
Ec2_chr5_92887543_92888127	POL	-	584	gamma
Ec2_chr6_86412_87751	POL	+	1339	epsilon
Ec2_chr6_1958446_1958776	POL	+	330	gamma
Ec2_chr6_2202044_2202455	POL	+	411	gamma
Ec2_chr6_9382806_9383199	ENV	+	393	gamma
Ec2_chr6_18368150_18368608	POL	-	458	gamma
Ec2_chr6_29755870_29756212	POL	+	342	epsilon
Ec2_chr6_38885745_38886383	GAG	+	638	gamma
Ec2_chr6_38887177_38887800	POL	+	623	gamma
Ec2_chr6_38888532_38889593	POL	+	1061	gamma
Ec2_chr6_68383540_68383861	POL	-	321	gamma
Ec2_chr6_69740012_69740386	GAG	+	374	
Ec2_chr6_69759980_69760354	GAG	+	374	
Ec2_chr6_69778557_69778931	GAG	+	374	
Ec2_chr6_73274784_73275396	POL	-	612	beta
Ec2_chr7_1610520_1611171	GAG	+	651	gamma
Ec2_chr7_1643662_1644193	POL	+	531	gamma
Ec2_chr7_1744643_1744974	POL	-	331	gamma
Ec2_chr7_1745694_1746490	POL	-	796	gamma
Ec2_chr7_1746562_1747354	POL	-	792	epsilon
Ec2_chr7_1773794_1774163	ENV	+	369	gamma
Ec2_chr7_5456693_5457015	POL	-	322	gamma
Ec2_chr7_5486291_5486722	POL	+	431	epsilon
Ec2_chr7_9331411_9331825	POL	+	414	epsilon
Ec2_chr7_17076438_17076996	POL	+	558	epsilon
Ec2_chr7_27214625_27214970	POL	-	345	epsilon
Ec2_chr7_27215592_27216866	POL	-	1274	gamma
Ec2_chr7_33500620_33501740	POL	-	1120	epsilon
Ec2_chr7_33502046_33502690	POL	-	644	gamma
Ec2_chr7_34286956_34287592	GAG	+	636	gamma
Ec2_chr7_34288752_34290172	POL	+	1420	gamma
Ec2_chr7_34290551_34291033	POL	+	482	gamma
Ec2_chr7_36738054_36739089	POL	+	1035	epsilon
Ec2_chr7_36739289_36739770	POL	+	481	epsilon
Ec2_chr7_37975685_37976049	POL	+	364	epsilon
Ec2_chr7_42535957_42536253	POL	-	296	gamma
Ec2_chr7_43472255_43472714	POL	+	459	epsilon
Ec2_chr7_43699920_43700541	GAG	-	621	gamma
Ec2_chr7_44008701_44009106	GAG	+	405	gamma
Ec2_chr7_45797574_45798251	POL	-	677	epsilon

Ec2_chr7_46461544_46461886	POL	-	342	epsilon
Ec2_chr7_46465521_46466020	POL	-	499	epsilon
Ec2_chr7_46466349_46466655	POL	-	306	epsilon
Ec2_chr7_46669644_46669963	POL	+	319	epsilon
Ec2_chr7_46976063_46976423	GAG	+	360	gamma
Ec2_chr7_46977261_46979062	POL	+	1801	gamma
Ec2_chr7_47186057_47186528	POL	-	471	epsilon
Ec2_chr7_47468648_47469349	POL	-	701	gamma
Ec2_chr7_47469490_47471401	POL	-	1911	gamma
Ec2_chr7_47472150_47472510	GAG	-	360	gamma
Ec2_chr7_47834248_47834725	POL	+	477	gamma
Ec2_chr7_47924818_47925406	POL	+	588	epsilon
Ec2_chr7_48307992_48308604	POL	-	612	epsilon
Ec2_chr7_48686925_48687302	POL	+	377	gamma
Ec2_chr7_48687311_48688083	POL	+	772	epsilon
Ec2_chr7_48688168_48688755	POL	+	587	epsilon
Ec2_chr7_50758725_50759196	POL	-	471	epsilon
Ec2_chr7_51061381_51061738	ENV	-	357	gamma
Ec2_chr7_56212527_56212884	ENV	+	357	gamma
Ec2_chr7_57914212_57914552	ENV	-	340	gamma
Ec2_chr7_57915202_57916060	POL	-	858	gamma
Ec2_chr7_63950464_63951067	GAG	-	603	gamma
Ec2_chr7_74640501_74640858	ENV	+	357	gamma
Ec2_chr7_79057056_79057729	GAG	+	673	gamma
Ec2_chr7_79061038_79061530	POL	+	492	gamma
Ec2_chr7_79638103_79638611	POL	-	508	gamma
Ec2_chr7_83494954_83495742	POL	+	788	gamma
Ec2_chr7_83495759_83496247	POL	+	488	epsilon
Ec2_chr7_83496799_83497224	POL	+	425	epsilon
Ec2_chr7_88135557_88136169	POL	+	612	beta
Ec2_chr8_1726020_1726386	POL	+	366	gamma
Ec2_chr8_2128848_2129264	POL	-	416	gamma
Ec2_chr8_2241802_2242718	POL	-	916	epsilon
Ec2_chr8_2345263_2345701	POL	+	438	epsilon
Ec2_chr8_2397538_2397928	POL	+	390	gamma
Ec2_chr8_2503467_2503945	POL	-	478	epsilon
Ec2_chr8_3822809_3823346	POL	-	537	epsilon
Ec2_chr8_3823886_3824318	POL	-	432	gamma
Ec2_chr8_3925472_3926006	POL	-	534	epsilon
Ec2_chr8_4891580_4892149	POL	+	569	epsilon
Ec2_chr8_4893291_4893825	POL	+	534	epsilon
Ec2_chr8_11119158_11119574	POL	+	416	epsilon
Ec2_chr8_13525521_13526068	POL	+	547	epsilon
Ec2_chr8_18281943_18282327	POL	-	384	gamma
Ec2_chr8_18283376_18284137	POL	-	761	epsilon
Ec2_chr8_30371214_30371571	ENV	+	357	gamma
Ec2_chr8_33738453_33739207	POL	+	754	epsilon
Ec2_chr8_33739248_33739780	POL	+	532	epsilon
Ec2_chr8_36494932_36495564	GAG	+	632	gamma
Ec2_chr8_37671792_37672208	POL	-	416	epsilon

Ec2_chr8_37674217_37674527	POL	-	310	gamma
Ec2_chr8_41666506_41667119	POL	-	613	beta
Ec2_chr8_48745933_48746530	GAG	+	597	gamma
Ec2_chr8_48747997_48749186	POL	+	1189	gamma
Ec2_chr8_48749450_48749870	POL	+	420	gamma
Ec2_chr8_49256508_49256961	POL	+	453	epsilon
Ec2_chr8_49257327_49257788	POL	+	461	epsilon
Ec2_chr8_50930569_50930894	POL	-	325	gamma
Ec2_chr8_50930955_50931399	POL	-	444	epsilon
Ec2_chr9_47140_47545	POL	-	405	epsilon
Ec2_chr9_3338857_3339252	POL	-	395	epsilon
Ec2_chr9_27294509_27295411	POL	-	902	gamma
Ec2_chr9_28680716_28681467	POL	+	751	gamma
Ec2_chr9_29289285_29289618	ENV	-	333	gamma
Ec2_chr9_30202651_30203032	POL	+	381	epsilon
Ec2_chr9_30203236_30203823	POL	+	587	epsilon
Ec2_chr9_34062325_34062740	POL	-	415	
Ec2_chr9_34334528_34334849	POL	+	321	gamma
Ec2_chr9_34335422_34336313	POL	+	891	epsilon
Ec2_chr9_36326759_36327062	POL	-	303	gamma
Ec2_chr9_39694542_39694943	POL	+	401	gamma
Ec2_chr9_41424198_41426605	POL	-	2407	gamma
Ec2_chr9_41427691_41428239	GAG	-	548	gamma
Ec2_chr9_54342682_54343282	POL	+	600	beta
Ec2_chr9_56073817_56074458	POL	+	641	gamma
Ec2_chr9_67037493_67037795	GAG	+	302	gamma
Ec2_chr9_67062926_67063337	POL	+	411	gamma
Ec2_chr9_67921146_67922474	POL	+	1328	epsilon
Ec2_chr9_67922817_67923171	POL	+	354	gamma
Ec2_chr9_77533374_77533820	POL	-	446	epsilon
Ec2_chr9_82744013_82744690	POL	-	677	epsilon
Ec2_chr10_537805_538698	POL	-	893	epsilon
Ec2_chr10_539293_539628	POL	-	335	gamma
Ec2_chr10_4479596_4479935	POL	+	339	epsilon
Ec2_chr10_5590409_5590977	POL	-	568	gamma
Ec2_chr10_5827321_5827681	POL	-	360	gamma
Ec2_chr10_6537460_6537814	POL	-	354	gamma
Ec2_chr10_6538551_6539551	POL	-	1000	gamma
Ec2_chr10_9346346_9346940	POL	+	594	gamma
Ec2_chr10_11515789_11516146	POL	+	357	gamma
Ec2_chr10_11518042_11518456	POL	+	414	epsilon
Ec2_chr10_12311908_12312448	GAG	+	540	gamma
Ec2_chr10_12315542_12316013	POL	+	471	gamma
Ec2_chr10_13341763_13342127	POL	+	364	epsilon
Ec2_chr10_13359624_13359981	ENV	+	357	gamma
Ec2_chr10_13958914_13959327	POL	-	413	gamma
Ec2_chr10_14381094_14381522	POL	-	428	gamma
Ec2_chr10_14381774_14383569	POL	-	1795	gamma
Ec2_chr10_15084959_15085412	GAG	+	453	gamma
Ec2_chr10_15088527_15088993	POL	+	466	gamma

Ec2_chr10_15561728_15562180	POL	-	452	gamma
Ec2_chr10_16460281_16460681	POL	+	400	gamma
Ec2_chr10_16593297_16593630	POL	-	333	gamma
Ec2_chr10_16595397_16595797	POL	-	400	gamma
Ec2_chr10_20946761_20947220	POL	+	459	gamma
Ec2_chr10_21948047_21949152	POL	-	1105	gamma
Ec2_chr10_22000106_22000456	POL	-	350	epsilon
Ec2_chr10_22002351_22002708	POL	-	357	gamma
Ec2_chr10_22529511_22530241	POL	-	730	epsilon
Ec2_chr10_22530361_22531129	POL	-	768	gamma
Ec2_chr10_26281842_26282192	POL	-	350	gamma
Ec2_chr10_26561309_26561922	GAG	+	613	gamma
Ec2_chr10_26562955_26563442	POL	+	487	gamma
Ec2_chr10_26564207_26564723	POL	+	516	epsilon
Ec2_chr10_26564996_26565561	POL	+	565	gamma
Ec2_chr10_26655667_26656143	POL	-	476	gamma
Ec2_chr10_26656486_26657477	POL	-	991	gamma
Ec2_chr10_26657548_26658230	POL	-	682	gamma
Ec2_chr10_27183799_27184371	POL	+	572	gamma
Ec2_chr10_27420052_27420562	POL	-	510	gamma
Ec2_chr10_28919333_28919847	POL	+	514	epsilon
Ec2_chr10_28920282_28920720	POL	+	438	gamma
Ec2_chr10_29126930_29128305	POL	+	1375	epsilon
Ec2_chr10_29128727_29129186	POL	+	459	gamma
Ec2_chr10_30766807_30767272	POL	+	465	gamma
Ec2_chr10_30767833_30768338	POL	+	505	gamma
Ec2_chr10_31072672_31073008	POL	-	336	epsilon
Ec2_chr10_31095488_31095929	POL	-	441	epsilon
Ec2_chr10_31096334_31097234	POL	-	900	epsilon
Ec2_chr10_31767437_31767998	POL	-	561	epsilon
Ec2_chr10_33508659_33509004	POL	+	345	epsilon
Ec2_chr10_36178865_36179507	POL	+	642	epsilon
Ec2_chr10_39744196_39744588	POL	-	392	gamma
Ec2_chr10_39744927_39745410	POL	-	483	gamma
Ec2_chr10_41474555_41474882	POL	-	327	gamma
Ec2_chr10_45583119_45583538	POL	-	419	gamma
Ec2_chr10_50515884_50516719	POL	-	835	epsilon
Ec2_chr10_52177420_52178063	POL	-	643	epsilon
Ec2_chr10_52178188_52178544	POL	-	356	gamma
Ec2_chr10_60267332_60267959	GAG	+	627	gamma
Ec2_chr10_77899470_77900896	POL	-	1426	epsilon
Ec2_chr10_80674875_80675187	POL	-	312	gamma
Ec2_chr10_80675228_80675741	POL	-	513	gamma
Ec2_chr11_861404_861887	POL	-	483	epsilon
Ec2_chr11_6963788_6964110	POL	-	322	epsilon
Ec2_chr11_17090958_17092359	POL	+	1401	gamma
Ec2_chr11_28293083_28293419	POL	-	336	gamma
Ec2_chr11_29662631_29663023	POL	-	392	gamma
Ec2_chr11_29663040_29663409	POL	-	369	gamma
Ec2_chr11_35292141_35292908	POL	-	767	epsilon

Ec2_chr11_35292927_35293359	POL	-	432	gamma
Ec2_chr11_35771978_35772420	POL	-	442	epsilon
Ec2_chr11_41789368_41790371	POL	-	1003	epsilon
Ec2_chr11_42418360_42418989	POL	+	629	epsilon
Ec2_chr11_46778613_46778970	ENV	-	357	gamma
Ec2_chr11_46783811_46784189	GAG	-	378	gamma
Ec2_chr11_49470941_49471562	GAG	+	621	gamma
Ec2_chr11_49474631_49475333	POL	+	702	gamma
Ec2_chr11_55538249_55538945	POL	-	696	gamma
Ec2_chr11_55539086_55540954	POL	-	1868	gamma
Ec2_chr11_55541749_55542127	GAG	-	378	gamma
Ec2_chr11_58986498_58986848	POL	+	350	epsilon
Ec2_chr11_60589098_60589839	POL	-	741	epsilon
Ec2_chr12_1643437_1643795	POL	+	358	epsilon
Ec2_chr12_15075143_15075472	POL	+	329	
Ec2_chr12_15552405_15552762	ENV	-	357	gamma
Ec2_chr12_16237308_16237827	POL	+	519	beta
Ec2_chr12_20274530_20275259	POL	-	729	gamma
Ec2_chr12_23431390_23431696	POL	+	306	epsilon
Ec2_chr12_27286515_27286982	POL	-	467	epsilon
Ec2_chr12_30011669_30012811	POL	-	1142	gamma
Ec2_chr12_30014290_30014685	POL	-	395	gamma
Ec2_chr12_30014850_30015452	POL	-	602	gamma
Ec2_chr13_1048416_1048857	POL	-	441	epsilon
Ec2_chr13_1539496_1539907	POL	-	411	epsilon
Ec2_chr13_7458223_7458595	POL	-	372	epsilon
Ec2_chr13_7967405_7968074	POL	+	669	beta
Ec2_chr13_12348030_12348387	ENV	+	357	gamma
Ec2_chr13_12427178_12427535	ENV	+	357	gamma
Ec2_chr13_12462953_12463652	POL	-	699	gamma
Ec2_chr13_12463796_12465670	POL	-	1874	gamma
Ec2_chr13_12466461_12467022	GAG	-	561	gamma
Ec2_chr13_14821600_14822079	POL	-	479	epsilon
Ec2_chr13_14822433_14822787	POL	-	354	epsilon
Ec2_chr13_17248079_17248409	POL	+	330	epsilon
Ec2_chr13_17252843_17253795	POL	+	952	epsilon
Ec2_chr13_25424611_25426090	POL	-	1479	gamma
Ec2_chr13_25426861_25427202	GAG	-	341	gamma
Ec2_chr14_70040_70408	POL	+	368	epsilon
Ec2_chr14_1485589_1485922	POL	-	333	epsilon
Ec2_chr14_1570070_1570544	POL	+	474	gamma
Ec2_chr14_1573122_1573594	POL	+	472	gamma
Ec2_chr14_1878326_1878683	POL	+	357	epsilon
Ec2_chr14_3029137_3029553	POL	+	416	gamma
Ec2_chr14_3030604_3031306	POL	+	702	epsilon
Ec2_chr14_7281896_7282205	GAG	+	309	
Ec2_chr14_17258749_17259191	POL	-	442	epsilon
Ec2_chr14_17525953_17527253	POL	-	1300	epsilon
Ec2_chr14_20277446_20277983	POL	-	537	epsilon
Ec2_chr14_25573756_25574356	POL	-	600	beta

Ec2_chr14_28753036_28753507	POL	-	471	epsilon
Ec2_chr14_35926882_35927373	POL	+	491	gamma
Ec2_chr14_39344643_39345206	POL	+	563	gamma
Ec2_chr14_43426323_43426680	ENV	-	357	gamma
Ec2_chr14_47911767_47912271	POL	+	504	beta
Ec2_chr14_47913420_47913846	POL	+	426	beta
Ec2_chr14_54314015_54314800	POL	-	785	epsilon
Ec2_chr14_54314905_54315238	POL	-	333	gamma
Ec2_chr14_64680506_64681236	POL	-	730	gamma
Ec2_chr14_67925949_67926571	GAG	+	622	gamma
Ec2_chr14_67927719_67928076	ENV	+	357	gamma
Ec2_chr14_72469517_72469866	POL	+	349	gamma
Ec2_chr15_1726485_1726892	POL	+	407	epsilon
Ec2_chr15_1727053_1727897	POL	+	844	epsilon
Ec2_chr15_1728307_1728762	POL	+	455	epsilon
Ec2_chr15_1792352_1793253	POL	-	901	gamma
Ec2_chr15_2583603_2583947	POL	+	344	epsilon
Ec2_chr15_10162150_10162472	POL	+	322	epsilon
Ec2_chr15_10692250_10692745	POL	-	495	gamma
Ec2_chr15_10693209_10695036	POL	-	1827	gamma
Ec2_chr15_11608954_11609308	ENV	+	354	gamma
Ec2_chr15_12634722_12635313	POL	+	591	epsilon
Ec2_chr15_12636251_12636698	POL	+	447	gamma
Ec2_chr15_12846991_12847552	POL	-	561	epsilon
Ec2_chr15_18036593_18038085	POL	-	1492	epsilon
Ec2_chr15_19434876_19435177	POL	-	301	epsilon
Ec2_chr15_24748585_24748939	ENV	+	354	gamma
Ec2_chr15_44560037_44560345	POL	+	308	gamma
Ec2_chr15_44649278_44650266	POL	-	988	gamma
Ec2_chr15_44651011_44651649	GAG	-	638	gamma
Ec2_chr15_46321758_46322143	POL	+	385	gamma
Ec2_chr15_47548510_47549346	POL	+	836	epsilon
Ec2_chr16_503392_504268	POL	+	876	epsilon
Ec2_chr16_21992902_21993259	ENV	-	357	gamma
Ec2_chr16_24818410_24818821	POL	-	411	epsilon
Ec2_chr16_24819433_24819841	POL	-	408	epsilon
Ec2_chr16_27981281_27981664	POL	-	383	epsilon
Ec2_chr16_31128957_31129257	POL	-	300	gamma
Ec2_chr16_31129702_31130073	POL	-	371	gamma
Ec2_chr16_31132738_31133357	GAG	-	619	gamma
Ec2_chr16_40560778_40562250	POL	+	1472	epsilon
Ec2_chr16_40696166_40696627	POL	-	461	epsilon
Ec2_chr16_40697032_40697494	POL	-	462	epsilon
Ec2_chr16_40698064_40698421	POL	-	357	epsilon
Ec2_chr16_40698424_40698850	POL	-	426	gamma
Ec2_chr16_41948658_41949118	POL	+	460	epsilon
Ec2_chr16_41949153_41949701	POL	+	548	epsilon
Ec2_chr16_49336798_49337201	POL	+	403	epsilon
Ec2_chr16_61384739_61385185	POL	+	446	epsilon
Ec2_chr16_73597363_73597672	POL	-	309	epsilon

Ec2_chr16_73600153_73600714	POL	-	561	epsilon
Ec2_chr16_75134828_75135143	GAG	+	315	
Ec2_chr16_79794118_79794429	POL	-	311	epsilon
Ec2_chr16_79795237_79795680	POL	-	443	epsilon
Ec2_chr16_79795874_79796266	POL	-	392	epsilon
Ec2_chr17_456829_457234	POL	-	405	epsilon
Ec2_chr17_457724_458206	POL	-	482	epsilon
Ec2_chr17_1221640_1221976	POL	+	336	epsilon
Ec2_chr17_3102578_3102938	POL	-	360	epsilon
Ec2_chr17_4971067_4971427	ENV	+	360	gamma
Ec2_chr17_19255355_19255862	GAG	-	507	gamma
Ec2_chr17_19269755_19270188	POL	-	433	epsilon
Ec2_chr17_21449397_21449817	POL	-	420	epsilon
Ec2_chr17_22506329_22506684	POL	-	355	epsilon
Ec2_chr17_25166849_25167225	POL	-	376	gamma
Ec2_chr17_25168345_25168657	GAG	-	312	gamma
Ec2_chr17_28446427_28446858	POL	-	431	epsilon
Ec2_chr17_28447042_28448106	POL	-	1064	epsilon
Ec2_chr17_37526914_37527271	ENV	-	357	gamma
Ec2_chr17_37528609_37529311	POL	-	702	gamma
Ec2_chr17_37532102_37532405	GAG	-	303	gamma
Ec2_chr17_40426279_40426747	POL	+	468	gamma
Ec2_chr17_44561672_44562162	POL	-	490	epsilon
Ec2_chr17_44562352_44563004	POL	-	652	epsilon
Ec2_chr17_54522659_54523085	POL	+	426	gamma
Ec2_chr17_54523117_54524151	POL	+	1034	gamma
Ec2_chr17_54524418_54524745	POL	+	327	gamma
Ec2_chr17_61235969_61236707	POL	-	738	epsilon
Ec2_chr17_65473610_65474036	POL	-	426	epsilon
Ec2_chr17_65474176_65474488	POL	-	312	gamma
Ec2_chr17_69127198_69127660	POL	-	462	beta
Ec2_chr18_1690015_1690711	POL	-	696	gamma
Ec2_chr18_1690858_1692719	POL	-	1861	gamma
Ec2_chr18_1693451_1694092	GAG	-	641	gamma
Ec2_chr18_2739349_2740054	POL	+	705	epsilon
Ec2_chr18_2740355_2740815	POL	+	460	epsilon
Ec2_chr18_7187101_7187545	POL	-	444	epsilon
Ec2_chr18_7187870_7188380	POL	-	510	epsilon
Ec2_chr18_7188393_7189272	POL	-	879	epsilon
Ec2_chr18_8495680_8496085	POL	-	405	epsilon
Ec2_chr18_8496594_8497149	POL	-	555	epsilon
Ec2_chr18_8497269_8497621	POL	-	352	gamma
Ec2_chr18_9581314_9581748	POL	+	434	epsilon
Ec2_chr18_9581801_9582169	POL	+	368	epsilon
Ec2_chr18_10074715_10075149	POL	+	434	epsilon
Ec2_chr18_13273231_13273631	POL	+	400	gamma
Ec2_chr18_14432914_14433300	POL	+	386	epsilon
Ec2_chr18_37113075_37113406	POL	+	331	gamma
Ec2_chr18_37114451_37114751	POL	+	300	epsilon
Ec2_chr18_45855370_45856314	POL	+	944	epsilon

Ec2_chr18_45856355_45856793	POL	+	438	epsilon
Ec2_chr18_52452662_52453000	POL	+	338	gamma
Ec2_chr18_52453119_52453798	POL	+	679	epsilon
Ec2_chr18_52453811_52454471	POL	+	660	epsilon
Ec2_chr18_52454578_52455253	POL	+	675	epsilon
Ec2_chr18_65456360_65457150	POL	-	790	epsilon
Ec2_chr19_2900215_2900635	POL	+	420	gamma
Ec2_chr19_4697374_4697802	POL	+	428	gamma
Ec2_chr19_6978407_6978797	POL	-	390	epsilon
Ec2_chr19_6978980_6979665	POL	-	685	epsilon
Ec2_chr19_33864038_33864603	POL	-	565	epsilon
Ec2_chr19_33864799_33865297	POL	-	498	epsilon
Ec2_chr19_34002397_34002892	POL	+	495	epsilon
Ec2_chr19_44380175_44380528	POL	+	353	epsilon
Ec2_chr19_45159192_45159592	POL	-	400	gamma
Ec2_chr19_45159968_45160337	POL	-	369	epsilon
Ec2_chr19_45162550_45163188	GAG	-	638	gamma
Ec2_chr19_48984919_48985228	POL	+	309	epsilon
Ec2_chr19_56270172_56270744	POL	-	572	gamma
Ec2_chr19_56270771_56271209	POL	-	438	gamma
Ec2_chr20_1464943_1465255	POL	+	312	gamma
Ec2_chr20_1466705_1467670	POL	+	965	gamma
Ec2_chr20_1479186_1479642	POL	-	456	gamma
Ec2_chr20_1736957_1737435	POL	+	478	epsilon
Ec2_chr20_1737461_1738182	POL	+	721	epsilon
Ec2_chr20_8853385_8853959	POL	+	574	epsilon
Ec2_chr20_18525648_18526406	POL	+	758	epsilon
Ec2_chr20_18527105_18527570	POL	+	465	epsilon
Ec2_chr20_20698873_20699877	POL	+	1004	epsilon
Ec2_chr20_20699898_20700299	POL	+	401	epsilon
Ec2_chr20_23805747_23806146	POL	-	399	beta
Ec2_chr20_24649660_24650301	GAG	+	641	gamma
Ec2_chr20_24650593_24650896	POL	+	303	gamma
Ec2_chr20_24651019_24652633	POL	+	1614	gamma
Ec2_chr20_24653030_24653729	POL	+	699	gamma
Ec2_chr20_28049824_28050257	POL	-	433	epsilon
Ec2_chr20_30183434_30183809	POL	-	375	epsilon
Ec2_chr20_30296211_30296640	POL	-	429	epsilon
Ec2_chr20_30566919_30567553	GAG	+	634	gamma
Ec2_chr20_30696749_30697052	POL	-	303	gamma
Ec2_chr20_32258412_32258802	POL	+	390	gamma
Ec2_chr20_32338790_32339152	POL	+	362	gamma
Ec2_chr20_32670774_32671350	POL	+	576	gamma
Ec2_chr20_32766482_32767661	POL	-	1179	gamma
Ec2_chr20_32768455_32769074	GAG	-	619	gamma
Ec2_chr20_32833627_32833984	ENV	+	357	gamma
Ec2_chr20_39551237_39551558	POL	+	321	epsilon
Ec2_chr20_42725550_42726119	POL	-	569	gamma
Ec2_chr20_42726632_42727317	POL	-	685	gamma
Ec2_chr20_42728345_42728972	GAG	-	627	gamma

Ec2_chr20_47764375_47765021	POL	+	646	epsilon
Ec2_chr20_51249525_51249867	POL	+	342	gamma
Ec2_chr20_52172849_52173360	POL	-	511	epsilon
Ec2_chr21_10870074_10870692	GAG	+	618	gamma
Ec2_chr21_10881383_10881932	POL	+	549	gamma
Ec2_chr21_10883433_10884135	POL	+	702	gamma
Ec2_chr21_10897254_10897560	POL	-	306	epsilon
Ec2_chr21_10897904_10898243	POL	-	339	gamma
Ec2_chr21_23579115_23579448	ENV	-	333	gamma
Ec2_chr21_24519122_24519811	POL	+	689	epsilon
Ec2_chr21_26882885_26883215	POL	-	330	gamma
Ec2_chr21_26884712_26885048	POL	-	336	gamma
Ec2_chr21_30220898_30221365	POL	+	467	epsilon
Ec2_chr21_36501990_36502316	POL	+	326	epsilon
Ec2_chr21_37676992_37677329	POL	-	337	epsilon
Ec2_chr21_37975672_37976150	POL	-	478	gamma
Ec2_chr21_37976513_37976917	POL	-	404	gamma
Ec2_chr21_37976993_37978234	POL	-	1241	gamma
Ec2_chr21_37979066_37979702	GAG	-	636	gamma
Ec2_chr21_44216995_44218524	POL	+	1529	gamma
Ec2_chr22_1910609_1911040	POL	+	431	epsilon
Ec2_chr22_24094768_24095185	POL	+	417	gamma
Ec2_chr22_24096898_24097329	POL	+	431	gamma
Ec2_chr22_24222637_24223068	POL	-	431	gamma
Ec2_chr22_24223326_24224670	POL	-	1344	gamma
Ec2_chr22_25080912_25082946	POL	-	2034	gamma
Ec2_chr22_25084297_25084837	GAG	-	540	gamma
Ec2_chr22_25105507_25105825	POL	-	318	epsilon
Ec2_chr22_45395436_45395793	ENV	-	357	gamma
Ec2_chr23_529148_530621	POL	+	1473	epsilon
Ec2_chr23_531666_532040	POL	+	374	epsilon
Ec2_chr23_7091666_7092194	POL	-	528	gamma
Ec2_chr23_7188251_7188595	POL	+	344	gamma
Ec2_chr23_7188675_7189847	POL	+	1172	gamma
Ec2_chr23_15163569_15164680	POL	+	1111	epsilon
Ec2_chr23_15165078_15165403	POL	+	325	epsilon
Ec2_chr23_17904985_17905426	POL	+	441	epsilon
Ec2_chr23_17996724_17997149	POL	-	425	epsilon
Ec2_chr23_17997592_17998129	POL	-	537	epsilon
Ec2_chr23_24597841_24598388	GAG	-	547	gamma
Ec2_chr23_35464860_35465253	POL	+	393	epsilon
Ec2_chr24_251945_252293	POL	-	348	gamma
Ec2_chr24_3141228_3141595	POL	+	367	gamma
Ec2_chr24_6735612_6736027	POL	+	415	epsilon
Ec2_chr24_6736136_6736689	POL	+	553	epsilon
Ec2_chr24_6737034_6737457	POL	+	423	
Ec2_chr24_7608486_7608824	POL	+	338	gamma
Ec2_chr24_9458121_9458691	POL	+	570	gamma
Ec2_chr24_9458843_9459304	POL	+	461	gamma
Ec2_chr24_9510457_9510985	POL	-	528	gamma

Ec2_chr24_10547704_10548276	POL	-	572	epsilon
Ec2_chr24_19224687_19225661	POL	+	974	epsilon
Ec2_chr25_1368329_1368787	POL	-	458	epsilon
Ec2_chr25_4068328_4068703	POL	+	375	gamma
Ec2_chr25_7719287_7719647	POL	+	360	gamma
Ec2_chr25_7720768_7721224	POL	+	456	epsilon
Ec2_chr25_9892159_9892610	POL	-	451	epsilon
Ec2_chr25_9893595_9893966	POL	-	371	gamma
Ec2_chr25_16615720_16616055	POL	+	335	gamma
Ec2_chr25_16616104_16616505	POL	+	401	gamma
Ec2_chr25_16616564_16617463	POL	+	899	epsilon
Ec2_chr25_16617906_16618415	POL	+	509	epsilon
Ec2_chr25_17829130_17829573	GAG	-	443	gamma
Ec2_chr25_17882574_17882940	POL	-	366	gamma
Ec2_chr25_19066948_19067254	GAG	-	306	
Ec2_chr25_28961896_28962337	POL	+	441	epsilon
Ec2_chr25_31942738_31943074	POL	-	336	epsilon
Ec2_chr25_35316327_35316840	POL	+	513	gamma
Ec2_chr25_38925398_38926269	POL	+	871	gamma
Ec2_chr26_1448955_1450116	POL	+	1161	epsilon
Ec2_chr26_7603995_7604300	POL	+	305	epsilon
Ec2_chr26_9280282_9280684	GAG	+	402	gamma
Ec2_chr26_9281966_9283305	POL	+	1339	epsilon
Ec2_chr26_9283606_9284184	POL	+	578	gamma
Ec2_chr26_16207220_16207577	ENV	-	357	gamma
Ec2_chr26_16442694_16443048	ENV	+	354	gamma
Ec2_chr26_19792708_19793085	POL	+	377	epsilon
Ec2_chr26_39358581_39359279	POL	-	698	gamma
Ec2_chr26_39359939_39361564	POL	-	1625	gamma
Ec2_chr26_39362353_39362917	GAG	-	564	gamma
Ec2_chr27_607881_608229	POL	-	348	gamma
Ec2_chr27_641244_641601	ENV	-	357	gamma
Ec2_chr27_1635146_1635764	POL	+	618	epsilon
Ec2_chr27_2399712_2400088	POL	+	376	epsilon
Ec2_chr27_3087112_3087514	POL	-	402	epsilon
Ec2_chr27_3938954_3939370	POL	+	416	epsilon
Ec2_chr27_4831667_4832051	POL	-	384	gamma
Ec2_chr27_4832437_4834290	POL	-	1853	gamma
Ec2_chr27_4835193_4835609	GAG	-	416	gamma
Ec2_chr27_6828823_6829150	POL	-	327	gamma
Ec2_chr27_10344289_10344659	POL	-	370	epsilon
Ec2_chr27_10345233_10345707	POL	-	474	epsilon
Ec2_chr27_13287498_13288075	POL	-	577	epsilon
Ec2_chr27_13288445_13288812	POL	-	367	gamma
Ec2_chr27_13583245_13583549	POL	-	304	epsilon
Ec2_chr27_16324823_16326102	POL	+	1279	gamma
Ec2_chr27_16326146_16326608	POL	+	462	gamma
Ec2_chr27_33231395_33232002	POL	-	607	gamma
Ec2_chr27_33232872_33233230	POL	-	358	epsilon
Ec2_chr27_33233372_33233699	POL	-	327	gamma

Ec2_chr28_392719_393048	POL	+	329	gamma
Ec2_chr28_393107_393957	POL	+	850	epsilon
Ec2_chr28_2593865_2594356	POL	+	491	gamma
Ec2_chr28_8499872_8500258	POL	-	386	gamma
Ec2_chr28_11828634_11829126	POL	-	492	gamma
Ec2_chr28_11829655_11830649	POL	-	994	gamma
Ec2_chr28_31848639_31848936	GAG	+	297	
Ec2_chr28_34142700_34143024	GAG	-	324	
Ec2_chr28_44490060_44490396	GAG	+	336	
Ec2_chr29_481377_481959	POL	-	582	epsilon
Ec2_chr29_5369372_5369950	POL	-	578	epsilon
Ec2_chr29_5842654_5843005	POL	+	351	gamma
Ec2_chr29_8721296_8721728	POL	+	432	gamma
Ec2_chr29_14378387_14379157	POL	+	770	epsilon
Ec2_chr29_25495721_25496481	POL	+	760	gamma
Ec2_chr29_25497354_25497726	POL	+	372	epsilon
Ec2_chr29_28490771_28491078	POL	-	307	gamma
Ec2_chr29_28491279_28491882	POL	-	603	gamma
Ec2_chr29_28629838_28630168	ENV	+	330	gamma
Ec2_chr30_87876_88209	ENV	+	333	gamma
Ec2_chr30_5703038_5703395	ENV	+	357	gamma
Ec2_chr30_6080439_6080991	POL	+	552	gamma
Ec2_chr30_9178674_9179528	POL	+	854	epsilon
Ec2_chr30_9179711_9180114	POL	+	403	epsilon
Ec2_chr30_24908604_24909048	POL	-	444	epsilon
Ec2_chr31_13667300_13667702	POL	+	402	gamma
Ec2_chr31_20847302_20848169	POL	-	867	gamma
Ec2_chr31_21054500_21054845	POL	-	345	gamma
Ec2_chr31_21096026_21096383	ENV	-	357	gamma
Ec2_chr31_21165466_21165803	POL	-	337	gamma
Ec2_chrX_537985_538342	ENV	-	357	gamma
Ec2_chrX_1249259_1249601	ENV	-	342	gamma
Ec2_chrX_1931636_1933303	POL	+	1667	gamma
Ec2_chrX_1933614_1933990	POL	+	376	gamma
Ec2_chrX_7898112_7898529	POL	-	417	epsilon
Ec2_chrX_7899506_7900013	POL	-	507	epsilon
Ec2_chrX_13240624_13241116	POL	+	492	gamma
Ec2_chrX_18604642_18605074	POL	-	432	gamma
Ec2_chrX_18607368_18607713	POL	-	345	gamma
Ec2_chrX_18608029_18608646	GAG	-	617	gamma
Ec2_chrX_26205401_26205972	POL	+	571	epsilon
Ec2_chrX_26206355_26206827	POL	+	472	epsilon
Ec2_chrX_27187830_27188139	POL	+	309	epsilon
Ec2_chrX_27704038_27704362	POL	-	324	epsilon
Ec2_chrX_27704596_27705445	POL	-	849	epsilon
Ec2_chrX_27705460_27705844	POL	-	384	epsilon
Ec2_chrX_28360600_28361278	POL	+	678	epsilon
Ec2_chrX_30094600_30095220	GAG	+	620	gamma
Ec2_chrX_30098169_30098564	POL	+	395	gamma
Ec2_chrX_37803316_37803968	POL	+	652	gamma

Ec2_chrX_37804864_37805433	POL	+	569	epsilon
Ec2_chrX_41000775_41001262	POL	-	487	gamma
Ec2_chrX_41001569_41002911	POL	-	1342	gamma
Ec2_chrX_41002976_41003417	POL	-	441	gamma
Ec2_chrX_41003534_41003856	POL	-	322	gamma
Ec2_chrX_41004205_41004520	GAG	-	315	gamma
Ec2_chrX_41445306_41445918	POL	-	612	beta
Ec2_chrX_42953484_42953920	POL	+	436	gamma
Ec2_chrX_43908586_43909069	POL	-	483	epsilon
Ec2_chrX_43909254_43909680	POL	-	426	epsilon
Ec2_chrX_44176804_44177185	POL	-	381	gamma
Ec2_chrX_44408595_44408973	POL	-	378	gamma
Ec2_chrX_45329533_45329914	POL	-	381	gamma
Ec2_chrX_45330863_45331369	POL	-	506	gamma
Ec2_chrX_45335387_45335902	GAG	-	515	gamma
Ec2_chrX_45354890_45355583	POL	+	693	gamma
Ec2_chrX_47882211_47882571	POL	-	360	epsilon
Ec2_chrX_47922757_47923134	GAG	-	377	gamma
Ec2_chrX_48852169_48852667	POL	+	498	epsilon
Ec2_chrX_49906582_49906954	POL	+	372	beta
Ec2_chrX_51656946_51657500	GAG	+	554	gamma
Ec2_chrX_53125956_53126563	GAG	+	607	gamma
Ec2_chrX_53130226_53130640	POL	+	414	gamma
Ec2_chrX_54308816_54309221	POL	-	405	epsilon
Ec2_chrX_54310157_54311118	POL	-	961	epsilon
Ec2_chrX_55585617_55586593	POL	+	976	epsilon
Ec2_chrX_55587467_55587767	POL	+	300	epsilon
Ec2_chrX_59465307_59465997	POL	-	690	epsilon
Ec2_chrX_59466138_59467003	POL	-	865	epsilon
Ec2_chrX_60265311_60265767	POL	-	456	epsilon
Ec2_chrX_60266149_60267248	POL	-	1099	epsilon
Ec2_chrX_60646087_60647386	POL	+	1299	gamma
Ec2_chrX_60647818_60648259	POL	+	441	gamma
Ec2_chrX_61116846_61117788	POL	+	942	epsilon
Ec2_chrX_61446004_61446475	POL	+	471	epsilon
Ec2_chrX_61447249_61447710	POL	+	461	epsilon
Ec2_chrX_61480226_61481678	POL	-	1452	gamma
Ec2_chrX_61483528_61484020	GAG	-	492	gamma
Ec2_chrX_62501795_62502477	POL	-	682	epsilon
Ec2_chrX_62932229_62932535	POL	+	306	gamma
Ec2_chrX_63978749_63979060	POL	-	311	epsilon
Ec2_chrX_63979200_63980201	POL	-	1001	epsilon
Ec2_chrX_65765220_65765711	POL	-	491	epsilon
Ec2_chrX_66348582_66349232	POL	-	650	epsilon
Ec2_chrX_67564916_67565220	POL	-	304	epsilon
Ec2_chrX_67566580_67567363	POL	-	783	epsilon
Ec2_chrX_67589470_67589812	POL	+	342	gamma
Ec2_chrX_67802122_67802572	POL	+	450	epsilon
Ec2_chrX_67802680_67803103	POL	+	423	
Ec2_chrX_68308790_68309279	POL	+	489	epsilon

Ec2_chrX_68473000_68473312	POL	-	312	epsilon
Ec2_chrX_68878998_68879667	POL	+	669	beta
Ec2_chrX_69033440_69033809	GAG	+	369	gamma
Ec2_chrX_69034838_69036717	POL	+	1879	gamma
Ec2_chrX_70326572_70327272	POL	-	700	gamma
Ec2_chrX_70328114_70328657	GAG	-	543	gamma
Ec2_chrX_70537614_70537952	POL	-	338	epsilon
Ec2_chrX_72661567_72661961	POL	+	394	epsilon
Ec2_chrX_72692439_72692948	POL	-	509	gamma
Ec2_chrX_72695140_72695721	POL	-	581	epsilon
Ec2_chrX_74201673_74202713	POL	+	1040	epsilon
Ec2_chrX_74302992_74303349	GAG	+	357	gamma
Ec2_chrX_74308456_74308813	ENV	+	357	gamma
Ec2_chrX_76854351_76855705	POL	+	1354	epsilon
Ec2_chrX_79416256_79416548	POL	+	292	epsilon
Ec2_chrX_79428024_79429013	POL	-	989	gamma
Ec2_chrX_79429544_79430429	POL	-	885	gamma
Ec2_chrX_80249141_80250320	POL	+	1179	epsilon
Ec2_chrX_80627074_80628524	POL	+	1450	epsilon
Ec2_chrX_80634435_80634795	POL	+	360	epsilon
Ec2_chrX_85391436_85391998	POL	-	562	epsilon
Ec2_chrX_88301882_88302658	POL	+	776	gamma
Ec2_chrX_88306247_88306739	POL	+	492	gamma
Ec2_chrX_89477723_89478053	POL	+	330	gamma
Ec2_chrX_89479040_89479469	POL	+	429	epsilon
Ec2_chrX_93108773_93109414	GAG	+	641	gamma
Ec2_chrX_93110180_93111840	POL	+	1660	gamma
Ec2_chrX_93112172_93112913	POL	+	741	gamma
Ec2_chrX_94794707_94795077	POL	-	370	epsilon
Ec2_chrX_96109120_96109675	POL	-	555	epsilon
Ec2_chrX_96885824_96886231	POL	-	407	epsilon
Ec2_chrX_100404604_100405215	POL	-	611	epsilon
Ec2_chrX_100405482_100405824	POL	-	342	epsilon
Ec2_chrX_100405936_100406556	POL	-	620	epsilon
Ec2_chrX_100406817_100407234	POL	-	417	epsilon
Ec2_chrX_100520784_100521090	POL	+	306	epsilon
Ec2_chrX_105284903_105285332	POL	+	429	epsilon
Ec2_chrX_107845142_107845932	POL	+	790	epsilon
Ec2_chrX_107846008_107846582	POL	+	574	epsilon
Ec2_chrX_120357963_120358542	POL	-	579	epsilon
Ec2_chrX_120358561_120359426	POL	-	865	epsilon
Ec2_chrX_122993905_122994295	POL	+	390	epsilon
Ec2_chrX_123665278_123665668	POL	+	390	epsilon
Ec2_chrUn_82538_83013	GAG	+	475	gamma
Ec2_chrUn_88568_89277	POL	+	709	gamma
Ec2_chrUn_89574_89939	POL	+	365	gamma
Ec2_chrUn_3257756_3258530	POL	+	774	epsilon
Ec2_chrUn_5939778_5941200	POL	+	1422	epsilon
Ec2_chrUn_6800553_6800856	POL	+	303	gamma
Ec2_chrUn_6801433_6802282	POL	+	849	epsilon

Ec2_chrUn_7096348_7096960	POL	-	612	beta
Ec2_chrUn_7528229_7528829	POL	-	600	beta
Ec2_chrUn_8711442_8712154	POL	-	712	gamma
Ec2_chrUn_8712549_8713206	POL	-	657	gamma
Ec2_chrUn_8714064_8714713	GAG	-	649	gamma
Ec2_chrUn_8978827_8979427	POL	+	600	beta
Ec2_chrUn_9246756_9247055	POL	+	299	gamma
Ec2_chrUn_9247559_9248258	POL	+	699	epsilon
Ec2_chrUn_9806762_9807178	POL	+	416	epsilon
Ec2_chrUn_9808266_9808606	POL	+	340	epsilon
Ec2_chrUn_9815358_9815958	POL	+	600	beta
Ec2_chrUn_12806395_12806848	POL	+	453	epsilon
Ec2_chrUn_13799491_13799859	POL	+	368	epsilon
Ec2_chrUn_14286717_14287299	POL	-	582	epsilon
Ec2_chrUn_14333547_14334049	POL	+	502	beta
Ec2_chrUn_16128796_16129636	POL	+	840	epsilon
Ec2_chrUn_16495278_16495787	POL	+	509	beta
Ec2_chrUn_17480039_17480342	POL	+	303	gamma
Ec2_chrUn_17811922_17813344	POL	-	1422	epsilon
Ec2_chrUn_17813353_17813701	POL	-	348	gamma
Ec2_chrUn_19351261_19351615	ENV	+	354	gamma
Ec2_chrUn_20168949_20169525	POL	-	576	epsilon
Ec2_chrUn_20213300_20213862	POL	+	562	beta
Ec2_chrUn_20940616_20941456	POL	+	840	epsilon
Ec2_chrUn_21767227_21767635	GAG	-	408	gamma
Ec2_chrUn_22181294_22182724	POL	-	1430	epsilon
Ec2_chrUn_22216162_22216774	POL	+	612	beta
Ec2_chrUn_22337027_22337360	ENV	+	333	gamma
Ec2_chrUn_24141416_24142271	POL	-	855	epsilon
Ec2_chrUn_25811749_25812100	GAG	-	351	gamma
Ec2_chrUn_25969678_25969978	POL	+	300	gamma
Ec2_chrUn_26282945_26283293	POL	+	348	gamma
Ec2_chrUn_27100801_27101607	POL	-	806	gamma
Ec2_chrUn_27162359_27162971	POL	+	612	beta
Ec2_chrUn_27179957_27180328	POL	-	371	epsilon
Ec2_chrUn_27180823_27181446	POL	-	623	epsilon
Ec2_chrUn_27240765_27241365	POL	-	600	epsilon
Ec2_chrUn_28349672_28349975	POL	+	303	gamma
Ec2_chrUn_29289624_29290003	POL	-	379	gamma
Ec2_chrUn_29466342_29467194	POL	+	852	epsilon
Ec2_chrUn_29942667_29943000	ENV	-	333	gamma
Ec2_chrUn_30565077_30565688	POL	-	611	beta
Ec2_chrUn_31689119_31689630	GAG	-	511	gamma
Ec2_chrUn_32219346_32220158	POL	-	812	epsilon
Ec2_chrUn_32265646_32266258	POL	+	612	beta
Ec2_chrUn_35656800_35657435	POL	-	635	beta
Ec2_chrUn_36831121_36831478	ENV	-	357	gamma
Ec2_chrUn_36838744_36839101	ENV	-	357	gamma
Ec2_chrUn_36899368_36899975	POL	-	607	gamma
Ec2_chrUn_36899982_36900458	POL	-	476	gamma

Ec2_chrUn_37319023_37320387	POL	-	1364	epsilon
Ec2_chrUn_37696876_37697351	GAG	+	475	gamma
Ec2_chrUn_37703872_37704255	POL	+	383	gamma
Ec2_chrUn_37944776_37945252	POL	-	476	gamma
Ec2_chrUn_37945572_37946249	POL	-	677	gamma
Ec2_chrUn_37946286_37946837	POL	-	551	gamma
Ec2_chrUn_37946908_37947339	POL	-	431	gamma
Ec2_chrUn_38880503_38880920	GAG	-	417	gamma
Ec2_chrUn_39051984_39052284	POL	+	300	gamma
Ec2_chrUn_39238378_39238738	POL	+	360	gamma
Ec2_chrUn_39277537_39277855	POL	-	318	gamma
Ec2_chrUn_39284161_39284578	GAG	-	417	gamma
Ec2_chrUn_39285810_39286128	POL	-	318	gamma
Ec2_chrUn_39287386_39287909	POL	-	523	gamma
Ec2_chrUn_39288300_39288716	GAG	-	416	gamma
Ec2_chrUn_39289948_39290266	POL	-	318	gamma
Ec2_chrUn_39291524_39292047	POL	-	523	gamma
Ec2_chrUn_39292438_39292855	GAG	-	417	gamma
Ec2_chrUn_39294079_39294397	POL	-	318	gamma
Ec2_chrUn_39295655_39296178	POL	-	523	gamma
Ec2_chrUn_39296570_39296987	GAG	-	417	gamma
Ec2_chrUn_39725832_39726318	GAG	+	486	gamma
Ec2_chrUn_40530856_40531379	POL	+	523	gamma
Ec2_chrUn_40586636_40586996	POL	-	360	gamma
Ec2_chrUn_40587509_40587984	POL	-	475	gamma
Ec2_chrUn_41688577_41688886	GAG	-	309	
Ec2_chrUn_42048940_42049449	POL	-	509	beta
Ec2_chrUn_42260434_42261266	POL	-	832	epsilon
Ec2_chrUn_42350913_42351562	GAG	+	649	gamma
Ec2_chrUn_42353503_42354180	POL	+	677	gamma
Ec2_chrUn_42354496_42354968	POL	+	472	gamma
Ec2_chrUn_43982411_43982789	POL	-	378	gamma
Ec2_chrUn_43983284_43983891	POL	-	607	gamma
Ec2_chrUn_44235523_44236014	POL	-	491	gamma
Ec2_chrUn_44247724_44248129	GAG	+	405	gamma
Ec2_chrUn_45933109_45933585	POL	+	476	gamma
Ec2_chrUn_45934283_45934757	POL	+	474	gamma
Ec2_chrUn_45935252_45935630	POL	+	378	gamma
Ec2_chrUn_47683093_47683484	POL	-	391	epsilon
Ec2_chrUn_50988491_50989800	POL	-	1309	epsilon
Ec2_chrUn_51919809_51920421	POL	+	612	beta
Ec2_chrUn_52936720_52937540	POL	+	820	epsilon
Ec2_chrUn_54733561_54733927	POL	+	366	epsilon
Ec2_chrUn_56277433_56277908	POL	-	475	gamma
Ec2_chrUn_56278596_56279072	POL	-	476	gamma
Ec2_chrUn_57514339_57515265	POL	-	926	epsilon
Ec2_chrUn_57814263_57814596	ENV	-	333	gamma
Ec2_chrUn_58426921_58427279	POL	-	358	gamma
Ec2_chrUn_58427791_58428267	POL	-	476	gamma
Ec2_chrUn_59069917_59070294	POL	-	377	gamma

Ec2_chrUn_59070789_59071396	POL	-	607	gamma
Ec2_chrUn_59596676_59597294	POL	+	618	epsilon
Ec2_chrUn_61739729_61740097	POL	+	368	epsilon
Ec2_chrUn_63920356_63920770	GAG	-	414	gamma
Ec2_chrUn_63922003_63922321	POL	-	318	gamma
Ec2_chrUn_63923578_63924101	POL	-	523	gamma
Ec2_chrUn_63924492_63924909	GAG	-	417	gamma
Ec2_chrUn_63926152_63926470	POL	-	318	gamma
Ec2_chrUn_63927728_63928251	POL	-	523	gamma
Ec2_chrUn_63928642_63929059	GAG	-	417	gamma
Ec2_chrUn_63930286_63930604	POL	-	318	gamma
Ec2_chrUn_65698551_65699060	POL	+	509	beta
Ec2_chrUn_66391908_66392833	POL	-	925	epsilon
Ec2_chrUn_67262899_67263246	POL	-	347	epsilon
Ec2_chrUn_68732047_68732687	GAG	+	640	gamma
Ec2_chrUn_68733741_68735482	POL	+	1741	gamma
Ec2_chrUn_68735897_68736313	POL	+	416	gamma
Ec2_chrUn_69012162_69012542	POL	-	380	gamma
Ec2_chrUn_69013034_69013641	POL	-	607	gamma
Ec2_chrUn_74618009_74618510	POL	-	501	beta
Ec2_chrUn_81019429_81019747	POL	+	318	gamma
Ec2_chrUn_81020973_81021387	GAG	+	414	gamma
Ec2_chrUn_83707796_83708153	ENV	-	357	gamma
Ec2_chrUn_83834291_83834990	POL	+	699	epsilon
Ec2_chrUn_87317586_87317943	ENV	+	357	gamma
Ec2_chrUn_97707495_97708282	POL	-	787	epsilon
Ec2_chrUn_100803182_100803704	POL	+	522	beta
Ec2_chrUn_106967420_106967738	POL	+	318	gamma
Ec2_chrUn_106968984_106969402	GAG	+	418	gamma

Representative Sequence	Max RPKM	LTRs?
GAG_gamma_7	0.33	-
POL_gamma_21	0.00	-
POL_gamma_10	0.00	-
epsilon_15	0.00	-
epsilon_5	0.00	-
POL_gamma_14	0.48	-
Ec2_chr1_20306585_20307047	0.57	-
beta_2	0.00	+
epsilon_1~	0.00	-
GAG_gamma_1	0.42	-
POL_gamma_26	0.10	+
POL_gamma_8	0.00	-
GAG_gamma_1	0.00	-
POL_gamma_9~	0.00	-
POL_gamma_25~	0.00	-
Ec2_chr1_33908640_33908943~	0.00	-
POL_gamma_7	0.00	+
Ec2_chr1_34480284_34480902	0.00	-
ENV_gamma_1	1.15	-
POL_gamma_31	0.33	-
epsilon_12	0.82	-
epsilon_12~	0.54	+
POL_gamma_9~	0.46	-
POL_gamma_25~	0.00	-
POL_gamma_23~	0.00	-
GAG_gamma_2	0.00	-
POL_gamma_11	0.00	-
POL_gamma_22	0.09	-
Ec2_chr1_46867645_46869535	0.00	-
Ec2_chr1_46938353_46938866	0.00	-
POL_gamma_23~	0.00	-
epsilon_20~	0.00	-
POL_gamma_33~	0.00	-
beta_2	0.00	-
Ec2_chr1_58369629_58369935~	0.00	-
epsilon_6	0.25	-
epsilon_14~	0.46	-
POL_gamma_4	0.00	-
GAG_gamma_7	0.00	-
POL_gamma_2	0.26	-
epsilon_3	0.77	-
beta_2	0.00	+
POL_gamma_25~	0.00	-
POL_gamma_25~	0.00	-
GAG_gamma_7	0.00	-
epsilon_2	0.00	-
epsilon_6	0.23	-
POL_gamma_29~	0.00	-
epsilon_7~	0.57	-

epsilon_7~	0.00	-
POL_gamma_2	0.23	+
POL_gamma_2	0.00	+
POL_gamma_7~	0.43	-
epsilon_1~	0.00	-
GAG_gamma_6	0.00	-
POL_gamma_2	0.10	+
POL_gamma_33	0.00	-
beta_2	0.00	-
epsilon_13	0.00	-
Ec2_chr1_113045755_113046180	0.00	-
POL_gamma_25	0.00	+
epsilon_12	0.33	-
POL_gamma_31	0.30	-
ENV_gamma_1	0.41	-
epsilon_6	0.10	-
epsilon_2	0.00	-
epsilon_2	0.20	-
Ec2_chr1_144541650_144541985	0.00	-
POL_gamma_25~	0.00	-
POL_gamma_13	1.16	+
POL_gamma_31	0.44	-
POL_gamma_23~	0.00	-
POL_gamma_23~	0.25	-
GAG_gamma_3	0.42	-
GAG_gamma_7	0.00	-
GAG_gamma_6	0.00	-
POL_gamma_29	0.00	-
epsilon_6	0.00	-
epsilon_14~	0.85	-
GAG_gamma_6	0.00	-
POL_gamma_2	0.27	+
epsilon_12	0.00	+
Ec2_chr13_17248079_17248409~	0.00	-
ENV_gamma_2	0.00	-
Ec2_chr2_28750853_28751207	0.00	+
Ec2_chr2_29988749_29989053~	0.00	-
epsilon_10~	0.00	-
epsilon_21~	0.67	-
POL_gamma_8	0.00	-
POL_gamma_26~	0.00	-
POL_gamma_26	0.00	-
epsilon_12~	0.00	-
POL_gamma_31	0.00	-
ENV_gamma_2	0.39	-
epsilon_4~	0.00	-
POL_gamma_31	0.43	-
POL_gamma_23~	0.00	-
POL_gamma_5~	0.00	-
epsilon_6~	0.00	-

Ec2_chr17_65474176_65474488~	0.00	-
Ec2_chr17_65474176_65474488~	0.00	-
epsilon_1~	0.00	-
epsilon_16~	0.00	-
ENV_gamma_2	0.00	-
epsilon_12~	0.54	-
POL_gamma_32	0.25	-
POL_gamma_5~	0.00	-
POL_gamma_21	0.00	-
epsilon_2	0.00	-
Ec2_chr17_65474176_65474488~	0.00	-
	0.00	-
POL_gamma_25~	0.13	+
POL_gamma_9~	0.00	+
ENV_gamma_2	0.00	-
epsilon_3~	0.00	-
epsilon_10~	0.00	-
epsilon_6~	0.59	-
epsilon_4~	0.00	-
epsilon_19~	0.00	-
Ec2_chr3_47288107_47288736~	0.83	-
Ec2_chr5_47321217_47321676~	0.00	-
epsilon_20~	0.00	-
Ec2_chr3_49645780_49646131~	0.85	-
epsilon_21~	0.72	-
Ec2_chr16_41948658_41949118~	0.00	-
Ec2_chr4_79135800_79136567~	0.00	-
epsilon_13	0.00	-
Ec2_chr3_58958988_58959390	0.00	-
POL_gamma_6~	0.00	-
epsilon_13	0.00	-
POL_gamma_23~	0.00	-
Ec2_chr3_91161997_91162377~	0.00	-
epsilon_6	0.00	-
epsilon_7~	0.00	-
POL_gamma_9	0.00	-
Ec2_chr3_91391716_91392058~	0.00	-
Ec2_chr3_91392343_91392969	0.31	-
Ec2_chr3_112005963_112006297	0.00	-
POL_gamma_23~	0.00	-
ENV_gamma_2	0.00	-
epsilon_14~	0.00	-
epsilon_10~	0.12	-
epsilon_14~	0.00	-
epsilon_3~	0.00	-
Ec2_chr13_17248079_17248409~	0.00	-
POL_gamma_23	0.30	-
POL_gamma_9~	0.00	-
POL_gamma_27	0.69	-
POL_gamma_3~	0.34	-

GAG_gamma_7	0.00	+
GAG_gamma_1	0.00	-
epsilon_15	0.77	-
POL_gamma_2	0.00	+
epsilon_3~	0.00	+
POL_gamma_16	0.63	+
POL_gamma_2	0.31	-
epsilon_1~	0.00	-
epsilon_10~	0.17	-
epsilon_20~	0.00	-
epsilon_9~	0.00	-
Ec2_chr4_79135800_79136567~	0.00	-
POL_gamma_19~	0.00	-
Ec2_chr5_47321217_47321676~	0.00	-
epsilon_7~	0.00	-
epsilon_3~	0.00	-
epsilon_6	0.00	-
POL_gamma_27	0.00	-
Ec2_chr5_3089502_3089821~	0.00	-
epsilon_14~	0.67	-
epsilon_7~	0.00	-
epsilon_6~	0.27	-
epsilon_1~	0.46	+
epsilon_6~	1.65	+
POL_gamma_15~	0.00	+
epsilon_19~	1.19	-
epsilon_12~	0.53	-
GAG_gamma_7	0.53	-
POL_gamma_27	0.46	-
beta_3	0.00	-
beta_3	0.43	-
beta_3	0.00	-
beta_2	0.00	-
POL_gamma_12~	0.00	-
Ec2_chr5_20052004_20052356	0.00	-
beta_2	0.00	+
ENV_gamma_2	0.00	-
POL_gamma_2	0.00	+
GAG_gamma_6	0.00	-
POL_gamma_5	0.00	-
POL_gamma_21~	0.00	-
POL_gamma_24~	0.00	-
POL_gamma_30~	0.00	-
GAG_gamma_7	0.37	-
POL_gamma_32	0.41	-
POL_gamma_9~	0.00	-
POL_gamma_23~	0.00	-
GAG_gamma_2	0.00	-
POL_gamma_9	0.00	+
POL_gamma_25~	0.00	+

epsilon_13	0.00	+
GAG_gamma_4	0.00	-
beta_2	0.00	+
Ec2_chr5_47321217_47321676~	0.00	-
POL_gamma_2	0.00	-
GAG_gamma_1	0.00	-
POL_gamma_8	0.00	+
POL_gamma_25~	0.00	+
ENV_gamma_2	1.09	-
epsilon_20~	0.54	-
Ec2_chr11_29663040_29663409~	0.00	-
epsilon_12	0.00	-
POL_gamma_29	0.00	-
POL_gamma_17~	0.00	-
ENV_gamma_2	1.33	-
POL_gamma_23~	0.00	-
epsilon_20~	0.00	-
GAG_gamma_3	0.00	-
POL_gamma_14~	0.63	-
POL_gamma_23~	0.18	-
POL_gamma_12~	0.00	-
	0.00	-
	0.00	-
	0.00	-
beta_2	0.00	+
Ec2_chr7_1610520_1611171	0.40	-
POL_gamma_34	0.00	-
POL_gamma_33~	0.00	-
POL_gamma_34	0.00	-
epsilon_20~	0.33	-
ENV_gamma_2	0.48	-
POL_gamma_2~	0.00	-
epsilon_15	0.00	-
epsilon_18	0.00	-
epsilon_7~	0.00	-
epsilon_19~	0.53	-
POL_gamma_1~	0.00	-
epsilon_22~	0.00	+
POL_gamma_17~	0.00	-
Ec2_chr7_34286956_34287592	0.55	-
POL_gamma_21~	0.10	-
POL_gamma_33~	0.00	-
epsilon_4~	0.18	-
epsilon_14~	0.00	-
epsilon_6	0.00	-
POL_gamma_9	0.00	-
epsilon_15	0.00	-
GAG_gamma_6	0.00	-
GAG_gamma_7	0.00	-
Ec2_chr13_17248079_17248409~	0.00	-

epsilon_1~	0.61	-
epsilon_22~	0.00	-
epsilon_20~	0.57	-
epsilon_19	0.61	-
GAG_gamma_6	0.00	-
POL_gamma_2	0.10	-
epsilon_1~	0.37	-
POL_gamma_33	0.26	-
POL_gamma_2	0.10	+
GAG_gamma_6	0.00	-
POL_gamma_33	0.00	-
epsilon_1	0.00	-
epsilon_1	0.43	-
POL_gamma_17	0.00	-
epsilon_3~	0.00	-
epsilon_2	0.00	-
epsilon_15	0.37	-
ENV_gamma_2	0.00	-
ENV_gamma_2	0.00	-
Ec2_chr7_57914212_57914552	0.00	-
POL_gamma_24~	0.43	-
GAG_gamma_2	0.00	-
ENV_gamma_2	0.00	-
Ec2_chr7_79057056_79057729	0.00	-
POL_gamma_33~	0.00	-
POL_gamma_5~	0.00	-
Ec2_chr7_83494954_83495742~	0.00	-
epsilon_1~	0.30	-
epsilon_16~	0.00	-
beta_2	0.00	+
POL_gamma_31	0.41	-
POL_gamma_31~	0.00	-
epsilon_10~	0.81	-
epsilon_11~	0.68	-
POL_gamma_31	0.00	-
epsilon_11	3.73	-
epsilon_17	0.00	-
POL_gamma_32~	0.00	-
epsilon_17	0.49	-
epsilon_22~	0.00	-
epsilon_17	0.00	-
epsilon_11~	0.71	-
epsilon_1~	0.00	-
POL_gamma_31	0.00	-
Ec2_chr8_18283376_18284137~	0.00	-
ENV_gamma_2	0.42	-
epsilon_10~	0.00	-
epsilon_2	0.37	-
GAG_gamma_7	0.66	-
epsilon_14	0.00	-

POL_gamma_17	0.00	-
beta_2	0.00	+
GAG_gamma_3	0.00	-
POL_gamma_23~	0.00	+
POL_gamma_12~	0.00	-
epsilon_7~	0.00	-
epsilon_18~	0.00	-
POL_gamma_19~	0.00	-
epsilon_12~	0.00	-
epsilon_12	0.37	-
epsilon_8~	0.00	-
POL_gamma_19~	0.00	-
POL_gamma_11	0.26	-
ENV_gamma_2	0.00	-
epsilon_2	0.51	-
epsilon_18~	0.00	-
	0.00	-
Ec2_chr9_34334528_34334849~	0.00	-
epsilon_1~	0.00	-
POL_gamma_30~	0.00	-
POL_gamma_31	0.00	+
POL_gamma_2	0.12	+
GAG_gamma_6	0.32	-
beta_2	0.00	+
POL_gamma_34	0.00	-
Ec2_chr9_67037493_67037795	0.00	+
POL_gamma_31	0.00	-
epsilon_7~	0.74	-
POL_gamma_6	1.04	-
epsilon_15	0.59	-
epsilon_6	0.00	-
epsilon_1~	0.00	-
POL_gamma_15~	0.00	-
epsilon_21~	0.00	-
POL_gamma_32	0.69	-
POL_gamma_29~	0.58	-
POL_gamma_11~	0.74	-
POL_gamma_23~	0.00	-
POL_gamma_14	0.88	-
POL_gamma_14	0.00	-
epsilon_16~	0.00	-
GAG_gamma_6	0.00	-
POL_gamma_33~	0.00	-
epsilon_19	0.00	-
ENV_gamma_2	0.00	-
POL_gamma_27~	1.42	-
POL_gamma_9~	0.00	-
POL_gamma_25~	0.15	-
GAG_gamma_3	0.41	-
POL_gamma_12	0.00	-

POL_gamma_12	0.00	+
POL_gamma_13	0.00	-
POL_gamma_9~	0.00	-
POL_gamma_13	0.00	-
POL_gamma_33	0.40	+
POL_gamma_1~	0.17	-
epsilon_13	0.00	-
POL_gamma_19~	0.00	-
epsilon_20~	0.20	-
Ec2_chr10_22530361_22531129~	0.00	-
POL_gamma_15	0.00	-
Ec2_chr10_26561309_26561922	0.00	-
POL_gamma_25~	0.00	-
epsilon_20~	0.00	-
POL_gamma_7	0.00	-
POL_gamma_33	0.55	-
POL_gamma_2	0.59	-
POL_gamma_2	0.31	-
POL_gamma_7~	1.56	-
POL_gamma_29~	0.51	-
epsilon_12	0.00	-
POL_gamma_31	0.00	-
epsilon_11~	0.15	+
POL_gamma_31	0.40	-
POL_gamma_23~	0.00	-
POL_gamma_12~	0.35	-
Ec2_chr24_6735612_6736027~	0.00	-
epsilon_16~	0.40	-
epsilon_10~	0.00	-
epsilon_15	0.26	-
epsilon_15	0.00	-
epsilon_6	0.29	-
POL_gamma_3~	0.38	-
POL_gamma_21~	0.00	-
POL_gamma_31	0.00	-
POL_gamma_12~	0.00	-
epsilon_5~	0.00	+
epsilon_10~	0.00	-
POL_gamma_16	0.00	-
Ec2_chr10_60267332_60267959	0.00	-
epsilon_5~	0.62	-
POL_gamma_21~	0.63	+
POL_gamma_24	0.29	+
epsilon_12	0.40	-
epsilon_13~	0.00	-
POL_gamma_2	0.14	+
POL_gamma_16	0.00	-
POL_gamma_22~	0.00	-
Ec2_chr11_29663040_29663409~	0.00	-
epsilon_7~	0.00	-

POL_gamma_21	0.00	-
epsilon_19	0.40	-
epsilon_5~	0.00	-
epsilon_5~	0.00	-
ENV_gamma_2	0.51	-
GAG_gamma_6	0.00	-
GAG_gamma_6	0.42	-
POL_gamma_33	0.00	-
POL_gamma_34~	0.26	-
POL_gamma_2	0.11	-
GAG_gamma_6	0.00	-
epsilon_20~	0.00	-
epsilon_11	0.20	+
epsilon_20	1.24	-
	0.00	+
ENV_gamma_2	0.00	-
beta_2	0.34	+
POL_gamma_25~	0.20	-
epsilon_20~	0.00	-
epsilon_5~	0.00	-
POL_gamma_21~	0.15	-
POL_gamma_11~	0.00	-
POL_gamma_24~	0.00	-
epsilon_19	0.00	-
epsilon_21~	0.00	-
epsilon_14~	0.00	-
beta_1	0.26	+
ENV_gamma_2	0.00	-
ENV_gamma_2	0.00	-
POL_gamma_8	0.00	-
POL_gamma_26	0.09	+
GAG_gamma_1	0.00	+
epsilon_13	1.22	-
Ec2_chr4_79135800_79136567~	0.52	-
Ec2_chr13_17248079_17248409~	0.00	-
Ec2_chr24_6735612_6736027~	0.00	-
POL_gamma_24	0.72	-
GAG_gamma_7	0.52	-
epsilon_16	0.00	-
epsilon_15	0.59	-
POL_gamma_1	0.37	-
POL_gamma_31	0.56	-
Ec2_chr16_41948658_41949118~	0.00	-
POL_gamma_14~	0.00	-
epsilon_5~	0.00	-
	0.48	-
epsilon_1~	0.00	-
epsilon_2	0.00	-
epsilon_22~	0.34	-
beta_2	0.00	+

epsilon_15	0.00	-
POL_gamma_21~	0.36	-
POL_gamma_23~	0.00	-
ENV_gamma_2	0.59	+
Ec2_chr14_47911767_47912271	0.00	+
beta_4	0.70	+
epsilon_1~	0.00	-
POL_gamma_19~	0.00	-
POL_gamma_25~	0.00	-
GAG_gamma_6	0.00	+
ENV_gamma_2	0.00	+
POL_gamma_29	0.00	-
epsilon_10~	0.00	-
epsilon_5~	0.00	-
epsilon_15	0.00	-
POL_gamma_21~	0.00	-
epsilon_3~	0.43	-
Ec2_chr15_10162150_10162472~	0.00	-
POL_gamma_33~	2.13	-
POL_gamma_23~	1.45	-
ENV_gamma_2	0.00	-
epsilon_11~	0.00	-
POL_gamma_31~	0.33	-
Ec2_chr5_47321217_47321676~	0.00	-
epsilon_4~	0.00	-
epsilon_13	0.58	-
ENV_gamma_2	0.84	-
Ec2_chr15_44560037_44560345~	0.85	-
POL_gamma_22~	0.20	+
GAG_gamma_5	0.33	-
POL_gamma_17~	0.00	-
epsilon_10~	0.00	-
epsilon_6~	0.00	-
ENV_gamma_2	0.00	-
epsilon_7~	0.00	-
epsilon_6~	0.00	-
epsilon_20~	0.51	-
POL_gamma_9	0.00	-
POL_gamma_25~	0.00	+
Ec2_chr16_31132738_31133357	0.00	-
epsilon_12	0.27	-
epsilon_15	0.00	-
epsilon_5	0.00	-
epsilon_10	0.00	-
POL_gamma_14	0.00	-
Ec2_chr16_41948658_41949118~	0.00	-
Ec2_chr4_79135800_79136567~	0.00	-
Ec2_chr5_47321217_47321676~	0.00	-
epsilon_20	0.00	-
epsilon_20~	0.00	-

Ec2_chr5_47321217_47321676~	0.00	-
	0.66	-
epsilon_18~	0.00	-
epsilon_10~	0.00	-
epsilon_6~	0.00	-
epsilon_16~	0.00	-
epsilon_5~	0.00	-
epsilon_21~	0.00	-
epsilon_21~	0.00	-
ENV_gamma_2	0.82	-
GAG_gamma_7	0.00	-
epsilon_3~	0.00	-
epsilon_2	1.00	-
epsilon_2	0.00	-
Ec2_chr11_29663040_29663409~	0.00	-
GAG_gamma_3	0.00	-
epsilon_14~	0.00	-
epsilon_2	0.00	-
ENV_gamma_2	0.00	-
POL_gamma_33	0.00	-
GAG_gamma_6	0.00	-
POL_gamma_9~	0.00	-
epsilon_8~	0.00	-
epsilon_10~	0.00	-
Ec2_chr17_54522659_54523085~	0.00	-
POL_gamma_23~	0.00	-
POL_gamma_9	0.00	-
epsilon_10~	0.36	-
epsilon_16~	0.00	-
Ec2_chr17_65474176_65474488~	0.00	-
beta_2	0.00	+
POL_gamma_8	0.38	+
POL_gamma_26	0.42	+
GAG_gamma_1	0.00	-
epsilon_6	0.00	-
epsilon_2	0.43	-
epsilon_18~	0.59	-
epsilon_2	0.00	-
epsilon_10~	0.00	-
epsilon_14~	0.00	-
epsilon_5~	0.00	-
POL_gamma_19~	0.00	-
epsilon_6	0.60	-
epsilon_4~	0.48	-
epsilon_6	0.00	-
POL_gamma_9~	0.52	-
epsilon_2~	0.00	-
Ec2_chr18_37113075_37113406~	0.53	-
epsilon_2	0.00	-
epsilon_6~	0.47	-

epsilon_2	0.34	-
Ec2_chr18_52452662_52453000~	0.00	-
epsilon_6~	0.31	-
epsilon_2	0.32	-
epsilon_14~	0.00	-
epsilon_6	0.00	-
POL_gamma_31	0.00	-
POL_gamma_1~	0.00	-
epsilon_1~	0.00	-
epsilon_6~	0.00	-
epsilon_2	0.00	-
epsilon_6	0.00	-
epsilon_1~	0.00	-
epsilon_10~	0.00	-
POL_gamma_6~	0.00	-
epsilon_20~	0.00	-
GAG_gamma_5	0.29	-
epsilon_12	0.00	-
POL_gamma_9	0.00	-
POL_gamma_25~	0.00	-
POL_gamma_29	0.00	-
POL_gamma_20	0.00	-
POL_gamma_34	0.00	-
epsilon_10~	0.00	-
epsilon_2	0.36	-
epsilon_14~	0.73	-
epsilon_6	0.00	-
epsilon_18	0.38	-
epsilon_7~	0.00	-
epsilon_3	0.37	-
beta_4	0.46	+
GAG_gamma_1	0.00	+
Ec2_chr20_24650593_24650896~	0.00	+
POL_gamma_26	0.00	+
POL_gamma_8	0.25	-
epsilon_1~	0.00	-
epsilon_15	0.00	-
epsilon_5~	0.00	-
GAG_gamma_3	0.58	-
POL_gamma_14~	0.00	-
POL_gamma_9	2.69	-
Ec2_chr18_37113075_37113406~	0.72	-
POL_gamma_9~	0.36	-
POL_gamma_2	0.36	-
GAG_gamma_6	0.34	-
ENV_gamma_2	0.00	-
epsilon_1~	0.00	-
POL_gamma_9	0.00	+
POL_gamma_25~	0.00	+
Ec2_chr20_42728345_42728972	0.24	-

epsilon_10~	0.00	-
POL_gamma_29	0.51	-
epsilon_5~	0.00	-
GAG_gamma_6	0.00	-
POL_gamma_2	0.48	-
POL_gamma_33	0.30	-
epsilon_18~	0.64	-
Ec2_chr21_10897904_10898243~	0.62	-
ENV_gamma_2	0.45	+
epsilon_6~	0.26	-
POL_gamma_9	0.00	-
POL_gamma_25~	1.05	-
epsilon_21~	0.00	-
Ec2_chr16_41948658_41949118~	0.00	-
epsilon_21~	1.09	-
POL_gamma_10~	0.00	-
POL_gamma_20	0.00	-
POL_gamma_21	0.16	-
GAG_gamma_7	0.00	-
POL_gamma_2	0.00	+
epsilon_12~	0.49	-
POL_gamma_25	0.00	+
POL_gamma_9	0.34	+
POL_gamma_9	0.00	-
POL_gamma_23~	0.00	-
POL_gamma_9	0.00	+
GAG_gamma_2	0.00	+
epsilon_21~	0.82	-
ENV_gamma_2	0.59	-
epsilon_7~	0.18	-
epsilon_14~	0.40	-
POL_gamma_24~	1.74	-
POL_gamma_29~	1.60	-
POL_gamma_21~	0.94	-
epsilon_5~	0.00	+
epsilon_15	0.00	+
epsilon_9~	0.00	-
epsilon_14~	0.62	-
epsilon_1~	0.49	-
GAG_gamma_7	0.00	+
epsilon_6~	0.00	-
POL_gamma_19	0.00	-
POL_gamma_24~	1.14	-
Ec2_chr24_6735612_6736027~	0.47	-
epsilon_6~	0.00	-
	0.00	-
POL_gamma_25~	0.00	-
POL_gamma_25~	0.31	+
POL_gamma_9	0.00	+
POL_gamma_32~	0.00	-

epsilon_18~	0.78	-
epsilon_6	0.36	-
epsilon_15	0.00	-
POL_gamma_9~	0.00	-
Ec2_chr25_7719287_7719647~	0.00	-
epsilon_12	0.00	-
epsilon_8~	0.00	-
Ec2_chr18_37113075_37113406~	0.00	-
Ec2_chr25_16615720_16616055~	0.00	-
POL_gamma_23~	0.00	-
epsilon_10~	0.00	-
epsilon_19~	0.00	-
GAG_gamma_3	0.00	-
POL_gamma_9	0.00	-
	0.64	-
epsilon_14	0.00	+
epsilon_8~	0.00	+
POL_gamma_11	0.38	+
POL_gamma_23~	1.82	-
epsilon_2	0.00	-
epsilon_20~	0.00	-
Ec2_chr26_9280282_9280684	0.00	-
epsilon_20~	0.00	-
POL_gamma_11~	0.00	-
ENV_gamma_2	0.00	-
ENV_gamma_2	0.00	-
epsilon_15	0.00	-
POL_gamma_33	0.38	-
POL_gamma_2	0.00	-
GAG_gamma_6	0.00	-
POL_gamma_19	0.00	-
ENV_gamma_2	0.00	-
epsilon_4	0.89	-
epsilon_13~	0.52	-
epsilon_16~	0.00	+
epsilon_21~	0.47	-
POL_gamma_6	0.00	-
POL_gamma_22~	0.11	-
Ec2_chr27_4835193_4835609	0.00	-
POL_gamma_19~	0.00	-
epsilon_19~	0.00	-
Ec2_chr5_47321217_47321676~	0.00	-
Ec2_chr5_47321217_47321676~	0.00	-
POL_gamma_1~	0.00	-
epsilon_19~	0.00	-
POL_gamma_2	0.16	+
POL_gamma_34~	0.45	+
POL_gamma_21	0.00	-
Ec2_chr5_47321217_47321676~	0.00	-
POL_gamma_29	0.56	-

POL_gamma_25~	0.00	-
epsilon_3~	0.00	-
POL_gamma_31	0.00	-
POL_gamma_16	0.00	-
POL_gamma_12~	0.30	-
POL_gamma_23~	0.00	-
	0.00	-
	0.00	-
	3.49	-
epsilon_9	0.00	-
epsilon_3~	0.26	-
POL_gamma_19~	1.19	-
POL_gamma_31	0.43	-
epsilon_2	0.23	-
POL_gamma_32	0.00	+
Ec2_chr29_25497354_25497726~	0.00	+
POL_gamma_9	0.57	-
POL_gamma_25~	0.00	-
ENV_gamma_2	0.00	-
ENV_gamma_2	0.00	-
ENV_gamma_2	0.49	-
POL_gamma_21~	0.00	-
epsilon_6	0.00	-
epsilon_2	0.00	-
epsilon_15	0.44	-
POL_gamma_21	0.00	-
POL_gamma_21	0.00	-
POL_gamma_23~	0.00	-
ENV_gamma_2	0.00	-
POL_gamma_29	0.00	-
ENV_gamma_2	0.00	-
ENV_gamma_2	1.03	-
POL_gamma_23	0.21	-
POL_gamma_9	0.00	-
epsilon_15	0.00	-
epsilon_5~	0.00	-
POL_gamma_31	0.00	-
POL_gamma_9	0.00	+
Ec2_chrX_18607368_18607713~	0.57	+
GAG_gamma_2	0.00	-
epsilon_1~	0.37	+
epsilon_14	0.00	+
Ec2_chrX_27187830_27188139~	0.00	-
epsilon_2	0.00	-
epsilon_6	0.46	-
Ec2_chrX_27705460_27705844~	1.43	-
Ec2_chrX_27187830_27188139~	0.00	-
GAG_gamma_2	0.00	-
POL_gamma_9~	0.00	+
POL_gamma_15	0.00	+

epsilon_1~	0.00	+
POL_gamma_5	0.00	-
POL_gamma_21	0.20	-
POL_gamma_24~	0.00	-
POL_gamma_29	0.00	-
GAG_gamma_7	0.00	-
beta_2	0.00	+
POL_gamma_9~	0.00	-
epsilon_5	0.87	-
epsilon_10~	0.00	-
POL_gamma_10~	0.00	-
POL_gamma_4	0.00	-
POL_gamma_4	0.00	-
POL_gamma_21	0.39	-
GAG_gamma_7	0.00	-
POL_gamma_23~	0.00	-
epsilon_5~	0.00	-
GAG_gamma_7	0.00	-
epsilon_15	0.42	-
beta_2	0.00	+
Ec2_chrX_51656946_51657500	0.00	-
GAG_gamma_3	0.00	-
POL_gamma_12~	0.36	-
epsilon_14~	0.00	-
epsilon_6	0.18	-
epsilon_12~	0.00	-
Ec2_chr5_47321217_47321676~	0.00	-
epsilon_18~	0.00	-
epsilon_4~	0.61	-
epsilon_15	0.46	-
epsilon_5~	0.00	-
POL_gamma_25~	0.00	-
POL_gamma_9	0.00	-
epsilon_3~	0.98	-
epsilon_1~	0.00	-
epsilon_18~	0.00	-
POL_gamma_25~	0.13	-
GAG_gamma_4	0.00	-
epsilon_7~	0.00	-
POL_gamma_16	0.00	-
epsilon_7~	0.00	-
epsilon_4~	0.00	-
Ec2_chrX_65765220_65765711~	0.00	-
epsilon_3~	0.00	-
epsilon_18~	0.00	-
epsilon_6	0.00	-
POL_gamma_25~	0.00	-
epsilon_10~	0.00	-
	0.00	-
Ec2_chrX_68308790_68309279~	0.00	-

epsilon_7~	0.00	-
beta_1	0.00	-
Ec2_chrX_69033440_69033809	0.00	-
POL_gamma_22	0.10	-
POL_gamma_7~	0.00	+
GAG_gamma_4	0.00	+
epsilon_6	0.00	-
epsilon_7~	0.00	-
POL_gamma_31	0.00	-
epsilon_11~	0.30	-
epsilon_4~	0.00	-
GAG_gamma_6	0.49	-
ENV_gamma_2	0.00	-
epsilon_2	0.14	+
epsilon_13	0.00	-
POL_gamma_34	0.00	-
POL_gamma_2	0.21	-
epsilon_7~	0.00	-
epsilon_10~	0.14	-
epsilon_14~	0.41	-
Ec2_chrX_85391436_85391998~	0.00	-
POL_gamma_1	1.01	-
POL_gamma_31	1.07	-
POL_gamma_16	0.59	-
epsilon_2	0.49	-
GAG_gamma_3	0.00	-
Ec2_chr11_29663040_29663409~	0.00	-
POL_gamma_12~	0.25	-
epsilon_13	0.00	-
Ec2_chr5_47321217_47321676~	0.32	-
Ec2_chrX_96885824_96886231~	0.48	-
epsilon_18~	0.00	-
epsilon_7~	0.00	-
epsilon_6	0.00	-
Ec2_chrX_100406817_100407234~	0.00	-
epsilon_15	0.00	-
epsilon_8~	0.00	-
epsilon_10	0.00	-
epsilon_5~	0.34	-
epsilon_7~	0.00	-
epsilon_6~	0.00	-
epsilon_21	0.45	-
epsilon_21	0.45	-
GAG_gamma_8	-	-
POL_gamma_21	-	-
POL_gamma_10	-	-
Ec2_chrUn_3257756_3258530~	-	-
epsilon_9	-	-
POL_gamma_18	-	-
epsilon_7	-	-

beta_2	-	-
beta_2	-	-
POL_gamma_20	-	-
POL_gamma_24	-	-
GAG_gamma_7	-	-
beta_2	-	-
POL_gamma_17	-	-
epsilon_22	-	-
epsilon_10~	-	-
epsilon_15	-	-
beta_2	-	-
epsilon_12~	-	-
epsilon_16	-	-
epsilon_9	-	-
beta_3	-	-
epsilon_8	-	-
beta_3	-	-
POL_gamma_18	-	-
epsilon_9	-	-
POL_gamma_19	-	-
ENV_gamma_2	-	-
epsilon_9	-	-
beta_3	-	-
epsilon_7	-	-
GAG_gamma_7	-	-
epsilon_9	-	-
beta_3	-	-
ENV_gamma_2	-	-
epsilon_8	-	-
GAG_gamma_1	-	-
POL_gamma_17	-	-
POL_gamma_19	-	-
POL_gamma_32	-	-
beta_2	-	-
epsilon_16~	-	-
epsilon_1	-	-
epsilon_1	-	-
POL_gamma_18	-	-
POL_gamma_4	-	-
epsilon_8	-	-
ENV_gamma_2	-	-
beta_2	-	-
GAG_gamma_7	-	-
epsilon_9	-	-
beta_3	-	-
beta_2	-	-
ENV_gamma_2	-	-
ENV_gamma_2	-	-
POL_gamma_27	-	-
POL_gamma_21	-	-

epsilon_10~	-	-
GAG_gamma_8	-	-
POL_gamma_10	-	-
POL_gamma_3	-	-
POL_gamma_20	-	-
POL_gamma_21~	-	-
POL_gamma_24	-	-
GAG_gamma_7	-	-
POL_gamma_31~	-	-
POL_gamma_4	-	-
POL_gamma_28	-	-
GAG_gamma_7	-	-
POL_gamma_28	-	-
POL_gamma_30	-	-
GAG_gamma_7	-	-
POL_gamma_28	-	-
POL_gamma_30	-	-
GAG_gamma_7	-	-
POL_gamma_28	-	-
POL_gamma_30	-	-
GAG_gamma_7	-	-
GAG_gamma_7	-	-
POL_gamma_30	-	-
POL_gamma_4	-	-
POL_gamma_27	-	-
	-	-
beta_3	-	-
epsilon_9	-	-
GAG_gamma_7	-	-
POL_gamma_20	-	-
POL_gamma_3	-	-
POL_gamma_4	-	-
POL_gamma_27	-	-
POL_gamma_29~	-	-
GAG_gamma_7	-	-
POL_gamma_21	-	-
POL_gamma_27	-	-
POL_gamma_4	-	-
epsilon_11~	-	-
epsilon_9	-	-
beta_2	-	-
epsilon_12	-	-
epsilon_13~	-	-
POL_gamma_27	-	-
POL_gamma_21	-	-
epsilon_9	-	-
ENV_gamma_2	-	-
POL_gamma_4	-	-
POL_gamma_27	-	-
POL_gamma_4	-	-

POL_gamma_27	-	-
epsilon_4	-	-
epsilon_16	-	-
GAG_gamma_7	-	-
POL_gamma_28	-	-
POL_gamma_30	-	-
GAG_gamma_7	-	-
POL_gamma_28	-	-
POL_gamma_30	-	-
GAG_gamma_7	-	-
POL_gamma_28	-	-
beta_3	-	-
epsilon_9	-	-
epsilon_15	-	-
Ec2_chrUn_68732047_68732687	-	-
POL_gamma_22~	-	-
POL_gamma_11~	-	-
POL_gamma_4	-	-
POL_gamma_27	-	-
beta_2	-	-
POL_gamma_28	-	-
GAG_gamma_7	-	-
ENV_gamma_2	-	-
epsilon_22	-	-
ENV_gamma_2	-	-
Ec2_chrX_27187830_27188139~	-	-
beta_2	-	-
POL_gamma_28	-	-
GAG_gamma_7	-	-