

Supplemental Table 4

Results from DESeq2 analysis to identify miRNAs differentially expressed relative to Strain, treatment, or which display a significant interaction between strain and treatment

miRNA	Strain/Treatment					Effect of Strain (D2 vs Ctr)					Effect of Treatment (KD vs Ctr)				
	Mean Expression	log2FoldChange	LFC Standard Error	Wald Statistic	Pvalue	Adj. P	log2FoldChange	LFC Standard Error	Pvalue	Adj. P	log2FoldChange	LFC Standard Error	Pvalue	Adj. P	
mmu.mir.21a.3p	12.4548071	-1.42420418	0.497152001	-2.83176176	0.00165199	0.99979593	0.40694653	0.1420386348	0.3351764184	0.727E-07	0.00163635				
mmu.mir.122a.5p	382.8457603	0.58760181	0.192545134	3.0511971583	0.0022748	0.99979593	-0.17396157	0.133576915	0.7935011	0.82380678	0.69288864	0.13698413	4.22E-07	0.00163635	
mmu.mir.142a.5p	7485.727247	-1.157909114	0.478590564	-2.41958408	0.0152327	0.99979593	0.558450131	0.338508366	0.09899653	0.7041267	1.58780262	0.38940295	2.71E-06	0.00163635	
mmu.mir.142a.3p	374.8757092	-1.574972519	0.53997528	-2.916763884	0.00353683	0.99979593	0.680394349	0.383237549	0.07583427	0.61306627	1.67944873	0.381653501	1.08E-05	0.00121529	
mmu.mir.142	123.7930217	-1.338682567	0.56514258	-2.368723831	0.0174858	0.99979593	0.496636047	0.40362461	0.21855275	0.84914814	1.555276074	0.398627457	9.56E-05	0.00716758	
mmu.mir.32.5p	237.771954	-0.54379439	0.271572671	-2.002389992	0.0452428	0.99979593	0.5859841	0.19937406	0.0203194	0.06348545	1.76348854	0.193347472	9.13E-05	0.00176758	
mmu.mir.431.5p	1876.157001	-0.242868396	0.438268983	-0.553761607	0.57979594	0.99979593	0.121637234	0.31035521	0.69509224	0.96256365	0.78064584	0.309822791	0.0014286	0.00918395	
mmu.mir.376a.5p	2106.947926	0.348678077	0.145215567	2.401106739	0.01634557	0.99979593	0.110313396	0.02387811	0.28129732	0.84972037	-0.342187978	0.102929159	0.00088577	0.04428864	
mmu.mir.52a.3p	118.517117	-0.444969618	0.306223368	-1.453177688	0.14617465	0.99979593	-0.270759389	0.216987777	0.21210086	0.84914814	0.724293164	0.215901865	0.00079442	0.04428864	
mmu.mir.39b3	102.323929	-1.423539529	0.370128645	-3.859194999	0.00011376	0.19020663	0.977302731	0.261942617	0.00018987	0.01326551	0.836614028	0.263565633	0.0014495	0.05383094	
mmu.mir.39a.3p	502.9291709	-0.39303482	0.226267994	-1.738210849	0.08217367	0.99979593	0.041651002	0.160633131	0.79540393	0.97529634	0.508902148	0.195271872	0.0014095	0.05383094	
mmu.mir.29b.3p	3371.619256	0.245745022	0.154904429	1.586429293	0.112841182	0.99979593	-0.096860112	0.109303083	0.37553086	0.90105054	-0.346829016	0.109554686	0.00154212	0.05383094	
mmu.mir.129.5p	2752.688535	-0.17292362	0.28996969	-0.596703552	0.55092784	0.99979593	0.242656889	0.20523602	0.23707091	0.84914814	0.61802364	0.205055959	0.00124908	0.05383094	
mmu.mir.339.5p	571.2159674	-0.448064794	0.221190578	-2.026569664	0.04279598	0.99979593	0.113644518	0.158282044	0.46867039	0.91382899	0.486966487	0.205859838	0.00179638	0.05774079	
mmu.mir.155.5p	133.970402	-2.041034345	0.969703664	-2.104802138	0.03530854	0.99979593	0.467808181	0.688348467	0.49741629	0.91382899	2.007177128	0.684182459	0.0251629	0.06776807	
mmu.mir.3071.3p	6616.654734	0.271624729	0.137689675	1.972731281	0.04826519	0.99979593	-0.110210374	0.09725588	0.25713013	0.84914814	-0.37997869	0.08948836	0.00286132	0.06776807	
mmu.mir.136.5p	19899.35461	0.248102611	0.126428012	1.962396467	0.04971634	0.99979593	-0.096132377	0.089360516	0.28202506	0.84972037	-0.272376626	0.089409098	0.00231367	0.06776807	
mmu.mir.148b.3p	2628.119275	-0.772746377	0.583225589	-1.324893681	0.18517657	0.99979593	-0.282040884	0.412584819	0.94584522	0.99186534	1.234496978	0.412278625	0.00274828	0.06776807	
mmu.mir.218.5p	16805.12197	0.210567112	0.161992858	1.298957999	0.19349664	0.99979593	-0.16194767	0.114450137	0.15725368	0.82380676	-0.344573562	0.114593776	0.00262887	0.06776807	
mmu.mir.27a.3p	7569.258762	-0.458262464	0.309328078	-1.481471089	0.13847948	0.99979593	0.292300061	0.21876997	0.18057053	0.82380676	0.633384472	0.218727436	0.00373884	0.07379675	
mmu.mir.344a.3p	2342.551527	-0.456092347	0.315949298	-1.443561832	0.114686227	0.99979593	0.725679909	0.223537271	0.00116903	0.04600325	0.648878521	0.223609287	0.00371459	0.07379675	
mmu.mir.137.3p	4660.364236	0.219236962	0.190593645	1.152090966	0.25020072	0.99979593	-0.109012315	0.134612672	0.41804244	0.90681321	-0.306929264	0.134776349	0.00375663	0.07379675	
mmu.mir.21a.5p	44066.17442	-0.951022862	0.508432675	-1.870499102	0.06141454	0.99979593	0.578262431	0.359522747	0.11121967	0.75292791	0.3995168	0.05006532	0.08087599		
mmu.mir.223.3p	168.0189712	-0.795400881	0.58648277	-1.356222077	0.17502859	0.99979593	-0.01564879	0.417128184	0.97007395	0.99186534	1.152769048	0.412835529	0.0052313	0.08087599	
mmu.mir.74a.3p	345.2549002	0.202442943	0.154088213	1.161353445	0.04919119	0.99979593	0.3235609315	0.120722147	0.00692925	0.14891145	-0.353398427	0.12567016	0.0048908	0.08087599	
mmu.mir.509.5p	1420.037678	-0.221123029	0.287673303	-1.024318548	0.30584804	0.99979593	0.471866688	0.152220364	0.0201817	0.06330545	0.428179179	0.152961204	0.08075529		
mmu.mir.238.3p	11465.625454	0.130086987	0.176884987	0.735319596	0.460714488	0.99979593	-0.149729731	0.125006963	0.23101621	0.84914814	-0.348821567	0.125063488	0.00528454	0.08087599	
mmu.mir.312.3p	140.1385014	-1.871957112	0.697654323	-2.694129528	0.00251727	0.99979593	1.272214696	0.444669239	0.00115669	0.24013997	1.370915778	0.494547605	0.00557027	0.08952223	
mmu.mir.376a.3p	1207.989912	0.208824742	0.137525644	1.518442204	0.12890296	0.99979593	-0.11738638	0.096681598	0.22471001	0.84914814	-0.26403184	0.097186942	0.00662929	0.09570388	
mmu.mir.744.5p	12047.17895	0.256902767	0.177173616	1.450005774	0.07105691	0.99979593	0.166750632	0.12521597	0.18295741	0.82380676	-0.342192511	0.12533115	0.00632754	0.09570388	
mmu.mir.129b.3p	1097.957971	-0.182094709	0.312578949	-0.5851561	0.56842766	0.99979593	0.243640727	0.221414398	0.27116511	0.84972037	0.6001793589	0.221068877	0.0064849	0.09570388	
mmu.mir.369.5p	3746.553333	0.33125419	0.141963066	2.33382408	0.01962808	0.99979593	-0.11333154	0.102203627	0.25825305	0.84914814	-0.271135432	0.100407539	0.00928627	0.0974063	
mmu.mir.136.3p	55108.57529	0.285909599	0.129742222	2.048486199	0.04044116	0.99979593	-0.126533178	0.091730746	0.16837767	0.82380676	-0.245488273	0.091741558	0.00745361	0.09940463	
mmu.mir.455.5p	197.779392	-0.989428976	0.492670757	-2.006297354	0.04416117	0.99979593	0.465712963	0.349489862	0.15803772	0.82380676	0.529675874	0.348159071	0.0075825	0.09940463	
mmu.mir.132.3p	29880.452681	-0.142241471	0.275764516	-0.524948326	0.30449639	0.99979593	0.405057172	0.256996692	0.10572546	0.74007255	0.687633693	0.195420386	0.00773147	0.09940463	
mmu.mir.370.5p	899.20345	0.318077353	0.157738687	2.016059835	0.04374111	0.99979593	0.048433532	0.110836753	0.66211337	0.96193393	-0.2919086	0.110212332	0.00916001	0.1075124	
mmu.mir.195a.3p	215.9388522	-0.44201793	0.221052178	-1.998090021	0.045425	0.99979593	0.509561072	0.15672994	0.00124557	0.99979593	0.410189843	0.157823583	0.00394848	0.1075124	
mmu.mir.212.3p	6260.303669	-0.308696368	0.359564803	-0.858285191	0.39060609	0.99979593	0.282729524	0.25431074	0.25862755	0.84914814	0.665460474	0.25425537	0.00886259	0.1075124	
mmu.mir.212.5p	2015.214629	-0.325022941	0.379618636	-0.858182786	0.39189668	0.99979593	0.116741172	0.268625832	0.66521441	0.96169393	0.605447816	0.263802049	0.00955666	0.1075124	
mmu.mir.670.3p	103.0779468	-0.135393423	0.388774655	-0.348253653	0.72764767	0.99979593	0.108536435	0.279546981	0.69782489	0.96256365	-0.19406556	0.274114306	0.00914566	0.1075124	
mmu.mir.873a.5p	4429.451545	0.231003414	0.142754926	1.618160018	0.10562812	0.99979593	-0.107943964	0.100798959	0.28422216	0.84972037	-0.26261853	0.100408111	0.0099270	0.1089512	
mmu.mir.307.5p	18736.32768	0.261016485	0.130471999	2.005100055	0.04949115	0.99979593	-0.126408219	0.052226012	0.1704887	0.82380676	-0.236103166	0.092255981	0.01049699	0.11240299	
mmu.mir.218.2p	164.7207878	-0.351076728	0.275764516	-1.430372281	0.1526102	0.99979593	-0.15078472	0.191926891	0.40486398	0.9042162	-0.486630993	0.195420386	0.01101763	0.11530072	
mmu.mir.873b	491.886786	0.205158954	0.157289112	1.304277881	0.09214857	0.99979593	-0.081126726	0.110789983	0.4640118	0.91382899	-0.279199959	0.111244399	0.0105839	0.12230166	
mmu.mir.10a.5p	2531.838108	-1.398098649	0.815091934	-1.704212101	0.08341429	0.99979593	-0.190902205	0.57648129	0.74052515	0.96986215	-0.414377771	0.051781707	0.0123568	0.12264192	
mmu.mir.307.4.2.3p	338.4675559	-0.405098694	0.291919356	-1.544634448	0.12434471	0.99979593	0.300094678	0.207003839	0.14714056	0.82120506	0.515334444	0.206409119	0.01253673	0.12264192	
mmu.mir.24.2.5p	973.9227457	-0.370384606	0.31684979	-1.168959602	0.24241991	0.99979593	0.19856634	0.224325623	0.37605931	0.90109054	0.560180003	0.22369072	0.01042764	0.1343027	
mmu.mir.7d.5p	18574.23726	0.191754129	0.137112194	1.391149882	0.16417995	0.99979593	-0.152463045	0.097343754	0.11729397	0.78808768	-0.235757				

mmu.mR.3099.3p	1137.256165	-0.2166562	0.2940714269	-0.429030299	0.66790118	0.99979593	0.124291571	0.208095794	0.49350783	0.91382899	0.33830505	0.207935232	0.10374284	0.37898765
mmu.mR.29a.3p	106825.1993	0.084045274	0.119462352	0.70352937	0.48172591	0.99979593	-0.002087828	0.084466699	0.97252917	0.99186534	-0.13642302	0.084473032	0.10630997	0.3796778
mmu.mR.32.3p	502.3143164	0.18352925	0.18352925	1.718724208	0.0866646	0.99979593	-0.070381683	0.129133059	0.58572418	0.9247071	-0.20742382	0.129975487	0.11523338	0.40191769
mmu.mR.98.5p	7316.2827	0.17460787	0.140785377	1.260505816	0.20748695	0.99979593	-0.125330768	0.099490373	0.2077693	0.84914814	-0.1057055471	0.099528414	0.11465883	0.40191769
mmu.mR.101e.3p	16850.956196	0.09520068	0.256147039	0.361195055	0.7176905	0.99979593	-0.069192125	0.069192125	0.70240838	0.96256565	-0.069192125	0.181121628	0.11509812	0.40191769
mmu.mR.344.5p	1831.34152	0.09520068	0.256147039	0.189108942	0.51268129	0.99979593	-0.03562664	0.03562664	0.70240838	0.96256565	-0.03562664	0.133752422	0.10222151	0.40375691
mmu.mR.307S.5p	179.954877	0.475909984	0.32628053	1.46298219	0.14175194	0.99979593	-0.81312677	0.20316022	0.0041107	0.02349925	-0.35114973	0.227078535	0.1220175	0.40637697
mmu.mR.40.5p	18099.07646	0.113504955	0.876771547	0.38061074	0.99979593	0.12138118	0.091559119	0.01990905	0.30576736	-0.141267368	-0.195501229	0.12281615	0.12281615	0.40637697
mmu.mR.67e.3p	3689.947371	0.20913462	0.259220642	0.806782364	0.41979188	0.99979593	-0.241492255	0.18319754	0.18754958	0.8314321	-0.28541193	0.183244171	0.11934017	0.40637697
mmu.mR.320.3p	2207.530653	0.148484246	0.148484246	-0.783508634	0.43323834	0.99979593	-0.189750792	0.130177335	0.14660965	0.82120506	-0.206419564	0.130773629	0.12241147	0.40637697
mmu.mR.181a.5p	534642.7519	0.123138833	0.226773477	0.543003681	0.58712277	0.99979593	-0.050618603	0.160352183	0.75252191	0.97526934	-0.28096027	0.160350378	0.1210775	0.40637697
mmu.mR.71.2.3p	796.198244	0.068771213	0.165213343	0.416222623	0.87721813	0.99979593	-0.041134504	0.116112904	0.72314181	0.966222328	-0.489691781	0.116960788	0.12181486	0.40637697
mmu.mR.497a.5p	2794.741447	-0.0440997679	0.29718251	-1.714726557	0.08635957	0.99979593	0.413163393	0.181815598	0.01759564	0.2968183	-0.27524997	0.18190138	0.13029432	0.42090203
mmu.mR.334.5p	18872.62736	0.19264065	0.121097112	1.844896992	0.09986992	0.99979593	-0.1580133	0.085803821	0.06442556	0.54760362	-0.129310182	0.0858143	0.13940474	0.42090203
mmu.mR.199a.5p	78.92056292	0.05828262	-0.071695814	-0.708796889	0.4745053	0.99979593	0.559269042	0.559269042	0.2777314	0.84927031	0.772201496	0.508282366	0.12870729	0.42090203
mmu.mR.430.5p	4327.52009	-0.728320959	0.17039297	-0.678199558	0.497464292	0.99979593	0.722473374	0.75936951	0.3413952	0.89734846	1.19497892	0.759369549	0.13009333	0.42090203
mmu.mR.39d.3p	725.1618187	0.289329814	0.308574404	0.93763839	0.34843259	0.99979593	-0.224804315	0.217768938	0.25323994	0.94814616	-0.323977643	0.217768938	0.12328968	0.42090203
mmu.mR.32e.3p	2662.574264	0.12573815	0.1563752	0.804079887	0.42135014	0.99979593	0.01036947	0.110384089	0.98814864	0.95949713	-0.16500432	0.110607842	0.13695138	0.42090203
mmu.mR.124.5p	139.1434726	0.147816365	0.260431933	0.56785175	0.57039192	0.99979593	0.221230754	0.180737021	0.22093419	0.84914814	0.186769848	0.1354592	0.42090203	0.42090203
mmu.mR.34a.3p	199.8521588	-0.407389691	0.27799802	-1.465478904	0.1427903	0.99979593	0.19718181	0.196428372	0.58517689	0.9247071	0.288128716	0.196576804	0.14069927	0.4388214
mmu.mR.204.5p	172633.1044	-0.922167899	1.180332746	-0.781277903	0.4436906	0.99979593	0.071075462	0.842622823	0.2446517	0.84914814	1.226949738	0.196576804	0.14175981	0.4388214
mmu.mR.740E.19p	167.7408169	0.08292155	0.27440285	0.324776411	0.7453033	0.99979593	-0.2707005	0.19157676	0.91383458	0.991115	0.194687083	0.194687083	0.14232371	0.4388214
mmu.mR.126a.5p	63094.7593	-0.151831423	0.234687001	-0.641327953	0.5213867	0.99979593	-0.109018687	0.16209006	0.51440729	0.91382899	0.24410557	0.167201245	0.1303378	0.44174626
mmu.mR.126a.4p	360.2186599	-1.32591169	0.54203698	-0.85295313	0.39238768	0.99979593	0.101875086	0.167964938	0.32592045	0.9109054	0.198311748	0.09430762	0.14723323	0.4446229
mmu.mR.126b.3p	21170.60625	-0.15986134	0.235429774	-0.678314795	0.49750741	0.99979593	-0.10624324	0.166478905	0.52335756	0.91382899	0.241759437	0.16656141	0.14628923	0.4446229
mmu.mR.296.5p	141.7781995	-0.27811704	0.371338811	-0.750842884	0.45274722	0.99979593	-0.012419167	0.263486911	0.96240651	0.99186534	0.27744093	0.261069922	0.14823871	0.4446229
mmu.mR.192.5p	18053.21107	0.15010756	0.187243953	0.827854536	0.40775289	0.99979593	-0.052428094	0.13237744	0.68206809	0.96265365	-0.18969699	0.132420087	0.151934	0.45278436
mmu.mR.148a.5p	274.4718213	0.235323107	0.914237266	0.36059219	0.99979593	0.195269507	-0.159269507	0.11812834	0.27048812	0.84972037	-0.195269507	0.17688741	0.195269507	0.45402864
mmu.mR.126a.3p	11689.73705	-0.20062306	0.246819891	-0.1812844951	0.41630696	0.99979593	-0.096375123	0.17453471	0.580823	0.9247071	0.248333281	0.174496111	0.1546941	0.45402864
mmu.mR.34d.3p	801.8831624	-0.794168001	1.186079782	-0.669591214	0.50311842	0.99979593	0.716346035	0.638942748	0.39317835	0.90428162	1.192625059	0.838780322	0.15506797	0.45402864
mmu.mR.369.3p	4590.949573	0.159582057	0.174657981	0.91374042	0.36038526	0.99979593	0.210705047	0.123386778	0.08739696	0.65309812	-0.1734815	0.123386778	0.1605149	0.45402864
mmu.mR.125a.3p	179.0923083	-0.09954044	0.233008236	-0.428971269	0.66794348	0.99979593	0.105520680	0.165304165	0.52325314	0.91382899	0.231542329	0.16455093	0.15953195	0.46302164
mmu.mR.410.3p	68976.26746	0.330570338	0.1739404	1.900480465	0.05733014	0.99979593	-0.197202783	0.12299116	0.1088486	0.75171283	-0.171165143	0.122992462	0.1642018	0.47012818
mmu.mR.379.5p	1677.428092	0.327075835	0.232218661	1.404821313	0.15888835	0.99979593	-0.108977444	0.160432429	0.50646105	0.91382899	-0.227511343	0.164231107	0.16959705	0.47262448
mmu.mR.34b.5p	1541.952722	-0.772646122	1.225523732	-0.633399502	0.52647279	0.99979593	0.688938427	0.866703388	0.42687656	0.91304793	-0.191148483	0.866620223	0.16929403	0.47413406
mmu.mR.677.5p	151.1040963	0.441879683	0.251532822	1.756477602	0.0789064	0.99979593	-0.574363765	0.177440213	0.00120818	0.04600325	-0.238673208	0.174197291	0.1719469	0.481848507
mmu.mR.935	656.472497	0.11504865	0.167408216	0.167408216	0.53915836	0.99979593	-0.130123364	0.131847645	0.34886734	0.89738466	-0.180730719	0.132218005	0.17250816	0.48216566
mmu.mR.34e.3p	357.970859	-0.2468947198	0.2173938137	-1.135461425	0.25611204	0.99979593	0.0355899404	0.15363004	0.72720138	0.96662152	-0.208153528	0.153130841	0.17140458	0.48346506
mmu.mR.34b.3p	4590.949573	0.159582057	0.174657981	0.91374042	0.36038526	0.99979593	0.210705047	0.123386778	0.08739696	0.65309812	-0.1734815	0.123386778	0.1605149	0.48346506
mmu.mR.7b.5p	252.0456635	0.07978085	0.173225191	0.480561505	0.65411324	0.99979593	0.02494469	0.12246844	0.84147419	0.97526934	-0.16482941	0.12292315	0.17842166	0.48346506
mmu.mR.7i.5p	68639.02334	-0.000754837	0.144335508	-0.00529741	0.99527249	0.99979593	-0.04235847	0.102051413	0.67610219	0.96171543	-0.13723466	0.102061365	0.18745511	0.48478666
mmu.mR.30d.5p	117152.8411	0.031563262	0.156759557	-0.201348247	0.84042628	0.99979593	-0.056377603	0.110840599	0.01100886	0.93422403	-0.14849513	0.110840599	0.10835048	0.48478666
mmu.mR.34c.3p	362.1831966	0.08687432	1.185913893	-0.73941914	0.49565225	0.99979593	0.761175717	0.83903129	0.36429731	0.90190954	1.112120703	0.838786542	0.1848477	0.49809259
mmu.mR.7g.3p	242.2459948	0.09083919	0.380169965	0.70381925	0.99979593	0.181110004	0.167031162	0.27823681	0.84972037	0.92756293	-0.223023755	0.107182577	0.1896709	0.50084706
mmu.mR.344.3p	869.413863	-0.143729606	0.143729606	-0.969130289	0.33248019	0.99979593	0.0441150163	0.104752629	0.6944372	0.96256565	0.169396732	0.10462962	0.19157158	0.50191937
mmu.mR.181a.1.3p	8634.405238	0.03948053	0.2220617	0.177414288	0.85918303	0.99979593	0.034986901	0.157332786	0.82460517	0.97526934	-0.204690735	0.157416508	0.19394317	0.50191937
mmu.mR.129.2.3p	4590.949573	0.159582057	0.174657981	0.91374042	0.36038526	0.99979593	0.210705047	0.123386778	0.08739696	0.65309812	-0.1734815	0.123386778	0.1605149	0.50191937
mmu.mR.298.5p	1998.165927	-0.401020707	0.334772942	-1.197889849	0.23060037	0.99979593	0.119348802	0.238716626	0.6143248	0.93422403	0.305431702	0.23664602	0.19681304	0.51000921
mmu.mR.42e.3p	147.143776	-0.20622075	0.242340954	-0.805878819	0.39483667	0.99979593	-0.006249006	0.171533039	0.09393923	0.99186534	-0.16682914	0.166592027	0.19742571	0.51000921
mmu.mR.342.5p	132.9056764	0.10009889	0.245923865	0.406670003	0.68425031	0.99979593	0.048574492	0.17080660	0.77611613	0.97526934	-0.2274226	0.174642969	0.18917593	0.51000921
mmu.mR.1981.3p	308.3053897	-0.050268793	0.323527209	-0.155377328	0.87652386	0.99979593	0.040088449	0.229304046	0.86121588	0.97526934	0.29394761	0.22825107	0.1983692	0.51000921
mmu.mR.44b.3p	902.80165	-1.36739142	1.998007427	-0.68437562	0.49373678	0.99979593	1.665884442	0.141286270	0.23836455	0.84914814	1.806355633	1.412891559	0.2016839	0.51268383
mmu.mR.32a.5p	483.8379617	0.09246266	0.172844223	0.534957163	0.59267948	0.99979593	-0.130686247</							

mmu.mR.27b.3p 296201.2823 -0.070727859 -0.150628056 -0.469552031 0.636744 0.99979593 -0.069070762 0.106509878 0.36259096 0.90109054 0.1010089 0.106508655 0.34294453 0.6025111
mmu.mR.129b.3p 2676.494858 -0.43015995 -0.159680814 -0.375058757 0.7071677 0.99979593 -0.06290826 0.820194122 0.44308125 0.91382899 0.786763063 0.820182188 0.33743046 0.6025111
mmu.mR.306b.3p 441.2031372 0.15215865 0.308612048 0.364106688 0.71577822 0.99979593 -0.185335024 0.217587491 0.39433996 0.90428162 0.127745261 0.217844521 0.33060893 0.6025111
mmu.mR.540.3p 1333.79834 0.075210436 0.258256066 0.291223928 0.70880060 0.99979593 0.0359277674 0.12686960 0.04918075 0.47267267 0.177774609 0.182942062 0.33203893 0.6025111
mmu.mR.33b.5p 1318.569387 0.042109353 0.152949484 0.143594948 0.88554036 0.99979593 -0.18562645 0.206897604 0.37412725 0.90109054 0.191743274 0.22668663 0.33936402 0.6025111
mmu.mR.47a.3p 403.1897285 0.103416996 0.169723659 0.189723659 0.103416996 0.99979593 -0.159278713 0.131195929 0.12944162 0.841484 0.12827313 0.139447695 0.3052287 0.6025111
mmu.mR.451a 1570.43027 -0.11527837 0.335468926 0.343655574 0.7312037 0.99979593 0.012769462 0.237236581 0.59041066 0.9247071 0.221827024 0.237211864 0.34971449 0.6025111
mmu.mR.361.5p 2053.076239 -0.110647128 -0.080747542 0.41193925 0.99979593 0.03983427 0.069798501 0.70278903 0.96263656 0.08968041 0.09680041 0.3541453 0.61059524
mmu.mR.22a.5p 365.7328375 0.10226027 0.228759855 0.919881291 0.35810536 0.99979593 0.00581674 0.161047902 0.97086672 0.99186534 0.147820241 0.16206486 0.3617211 0.61191899
mmu.mR.22b.5p 282.2164695 -0.15988962 0.24942255 0.641067672 0.52144782 0.99979593 0.05920389 0.176168432 0.34628063 0.89738466 0.161139129 0.176486495 0.36122181 0.61191899
mmu.mR.361.3p 1585.47137 -0.08931527 0.151954749 0.06949378 0.56568949 0.99979593 0.027451782 0.107358444 0.79818086 0.97526934 0.008811585 0.107337589 0.36069223 0.61191899
mmu.mR.145a.3p 279.617758 -0.07072782 0.466963378 0.165487752 0.886865009 0.99979593 -0.310766227 0.330728266 0.34754079 0.89738466 0.3906202 0.33201859 0.36078508 0.61191899
mmu.mR.9.5p 2395.107251 -0.02013691 0.136075111 0.147994309 0.86235515 0.99979593 -0.079398773 0.095916228 0.40816787 0.90428162 -0.089352941 0.096203054 0.3584434 0.61191899
mmu.mR.33.3p 78.35477342 -0.3795584 0.48895186 -0.77626303 0.43759226 0.99979593 -0.406839205 0.345272136 0.15849498 0.8230876 0.2256191 0.34959345 0.327674 0.61191899
mmu.mR.221.3p 20550.5642 0.16558912 0.197420609 -0.838763069 0.40168228 0.99979593 0.074241981 0.039819169 0.59354358 0.92470453 -0.12543586 0.13952242 0.36846129 0.61140216
mmu.mR.423.3p 2196.870124 -0.11312822 0.19697106 0.0697106 0.99979593 0.059289102 0.139241749 0.67025377 0.96169393 0.125266553 0.139236672 0.36838305 0.61140216
mmu.mR.467b.3p 118.68979132 0.314720744 -0.27832118 0.78075724 0.99979593 0.734837962 0.222457122 0.00094496 0.04051513 0.07592229 0.23282768 0.36742299 0.61140216
mmu.mR.28a.5p 1030.04636 0.101544766 0.176844887 0.574202441 0.56583802 0.99979593 -0.043897713 0.124971075 0.27539106 0.96622328 -0.11156063 0.124759985 0.37291233 0.61922171
mmu.mR.378a.3p 18772.18865 -0.37612269 0.270359564 -0.226817458 0.82056569 0.99979593 0.052048539 0.191174433 0.78527979 0.97526934 0.169123682 0.091170087 0.3731229 0.62206891
mmu.mR.101a.5p 272.0249173 0.201710462 0.203746893 0.990005098 0.32217163 0.99979593 -0.159546511 0.143346697 0.26570353 0.84920277 -0.122313961 0.143430983 0.39537862 0.63061754
mmu.mR.100.5p 9706.2403 0.129895773 0.149160162 0.864622678 0.38724446 0.99979593 -0.057714042 0.105471042 0.431E-08 8.89E-06 0.009643576 0.12509337 0.39833823 0.63061754
mmu.mR.187.3p 991.3877007 -0.3795584 0.48895186 -0.77626303 0.43759226 0.99979593 -0.406839205 0.345272136 0.15849498 0.8230876 0.2256191 0.34959345 0.327674 0.63061754
mmu.mR.189b 0.30520762 0.30250762 0.394483962 0.73983597 0.43911703 0.99979593 -0.12157875 0.27906252 1.16E-05 0.0214041 0.227816859 0.265290124 0.3904801 0.63061754
mmu.mR.193b.3p 261.0309177 -0.19354149 0.189254055 -0.694014977 0.48776282 0.99979593 0.409491074 0.133170584 0.00210982 0.06385309 0.180222291 0.13757517 0.38364359 0.63061754
mmu.mR.133a.3p 326.2872429 0.202611162 0.445170532 0.455170532 0.64901459 0.99979593 -0.27778231 0.314178229 0.37661155 0.90109054 0.207102689 0.314331065 0.38858866 0.63061754
mmu.mR.125b.2.3p 13547.99126 -0.06789949 0.1684904 0.020661626 0.68967278 0.99979593 -0.038533717 0.119139529 0.67369179 0.97526934 0.102748626 0.119138712 0.38462252 0.63061754
mmu.mR.76d.5p 76.7080032 -0.17068872 0.813051855 -0.209935837 0.83371775 0.99979593 0.347933055 0.576397226 0.5460869 0.91930711 0.490539428 0.57583631 0.3891905 0.63061754
mmu.mR.301a.3p 8970.46612 0.198815756 0.06905610 0.94458217 0.99979593 -0.15488217 0.14054362 0.27176568 0.84972037 0.122301756 0.140549897 0.39231481 0.63061754
mmu.mR.541.5p 42817.83137 0.262831252 0.168249228 1.562154282 0.11825165 0.99979593 0.0446484351 0.18984428 0.70720609 0.96265365 -0.099937401 0.18976862 0.4009225 0.63750935
mmu.mR.308b.2p 2607.183305 0.12909577 0.20885579 0.143999716 0.15243104 0.99979593 -0.087559759 0.147201195 0.55197479 0.92100145 -0.12440225 0.147844314 0.4001000 0.63750935
mmu.mR.66b.3p 2025.197281 0.30861386 0.182311845 0.169277319 0.09049702 0.99979593 0.325045942 0.128983122 0.00654835 0.14542737 -0.105758571 0.128879389 0.41044006 0.63750935
mmu.mR.191.5p 145497.8791 -0.039812397 0.1561845 0.254900602 0.7987557 0.99979593 -0.03230796 0.11043857 0.76929864 0.97526934 0.08954881 0.11043751 0.41745829 0.65914625
mmu.mR.341.5p 272.0897091 0.326946747 0.62798284 0.50301518 0.99979593 -0.025095253 0.228303531 0.91247237 0.991115 -0.18647368 0.23176558 0.42106201 0.62521026
mmu.mR.30a.5p 311030.0103 0.11623826 0.162544831 0.714411064 0.47497303 0.99979593 -0.404360237 0.114935949 0.00043459 0.0235365 -0.091208313 0.114933871 0.4274739 0.66872071
mmu.mR.344b.3p 1202.981027 0.10379616 0.466343363 0.64069954 0.99979593 -0.08582529 0.157106426 0.03365619 0.9311373 0.12583995 0.157514485 0.42798126 0.66872071
mmu.mR.48b.5p 344.1120806 -0.04946471 0.244998828 -0.201896919 0.83999731 0.99979593 -0.1282135 0.172061081 0.45404078 0.91382899 0.136249991 0.173557288 0.43244305 0.67103543
mmu.mR.152.3p 340.3680431 0.035780504 0.166092698 0.888084 0.99979593 -0.22045008 0.237906242 0.33271522 0.89157282 0.188009782 0.236672913 0.43187137 0.67103543
mmu.mR.87b.3p 1020.5681514 -0.16490258 0.262770502 -0.627700052 0.53020045 0.99979593 -0.00324976 0.182225603 0.95959147 0.99186534 -0.14440506 0.184609992 0.43394192 0.6710442
mmu.mR.67b.5p 262.008655 0.192727479 0.192727479 0.192727479 0.192727479 0.99979593 -0.0592702 0.128520271 0.0639413 0.8005151 -0.10570545 0.128520271 0.0639413 0.8005151
mmu.mR.7047.3p 138.333418 0.534319944 0.268088281 0.45047589 0.99979593 -0.188848963 0.188848963 0.00606012 0.11472045 -0.140147234 0.185023276 0.48477593 0.68457345
mmu.mR.329.3p 445.344924 0.26356472 0.29964708 0.977453381 0.32834476 0.99979593 -0.16315045 0.190375782 0.39135446 0.90428162 -0.14429659 0.19046881 0.44669807 0.68457345
mmu.mR.66a.3p 1953.93555 0.168880122 0.208352804 0.810548863 0.41762481 0.99979593 -0.196006038 0.14716024 0.1828865 0.82380676 -0.11828276 0.147118754 0.44718136 0.68457345
mmu.mR.704b.3p 65.3429337 0.18975609 0.379044814 0.50060696 0.6166584 0.99979593 -0.121177665 0.26527951 0.64782027 0.95093731 -0.19300413 0.267204993 0.46803796 0.70890699
mmu.mR.378a.5p 207.784503 0.15964613 0.322994837 -0.370413392 0.7110745 0.99979593 0.178176322 0.228284386 0.4350957 0.91382899 0.166413965 0.22827412 0.46677109 0.70890699
mmu.lfb.7b 300.058692 0.191293229 0.22796883 0.084364314 0.93276479 0.99979593 -0.029464179 0.160989399 0.85478282 0.97526934 -0.115373099 0.161153293 0.46945396 0.70890699
mmu.mR.153.5p 417.8054227 0.054818213 0.262171036 0.207468902 0.93564524 0.99979593 -0.174488884 0.184888887 0.36421614 0.90109054 -0.116708822 0.18910546 0.47201784 0.71039475
mmu.mR.65b.3p 295.312081 0.113458181 0.234559314 0.123455931 0.75882282 0.99979593 -0.059516745 0.164929597 0.43482413 0.98752693 0.163948494 0.163948494 0.163948494 0.71155235
mmu.mR.301b.3p 113.866868 0.25296145 0.344535197 0.734594547 0.46258646 0.99979593 -0.404079194 0.242739568 0.04180771 0.442886 0.17768006 0.239853619 0.47431883 0.71115523
mmu.mR.87a.3p 2092.918446 0.115318264 0.920494269 0.56731563 0.99979593 0.045796471 0.108403871 0.67288814 0.96169393 -0.07579519 0.108403871 0.67288814 0.96169393
mmu.mR.53z.3p 254.073219 0.0921033 0.219535954 0.41953629 0.67482424 0.99979593 -0.296101918 0.15437321 0.0520405 0.5044503 -0.10570224 0.15426595 0.49068589 0.72899356
mmu.mR.106b.3p 386.6872484 0.0329416 0.51767289 0.8793075 0.99979593 -0.007139628 0.15102694 0.96206296 0.99186534 -0.1020385 0.15017951 0.9988018 0.73817807
mmu.mR.210.5p 74.01155471 0.570424857 0.350781602 1.626153861 0.10391693 0.99979593 -0.41369695 0.248724752 0.0962799 0.7008495 -0.164332731 0.245348547 0.50289789 0.73817807
mmu.mR.52.3p 5554.455714 -0.15999864 0.16021271 0.41448746 0.99979593 0.110148669 0.138607343 0.42679889 0.91304793 0.092577442 0.138607343 0.42679889 0.91304793
mmu.mR.99a.3p 1021.742764 -0.15706841 0.205921296 -0.762741953 0.44567131 0.99979593 0.0889913801 0.145447547 0.55473096 0.92194648 0.096866765 0.145536177 0.50567649 0.73817807
mmu.mR.221.5p 450.75135771 -0.058667498 0.131670734 -0.185245855 0.9530362 0.99979593 -0.070023271 0.223946198 0.75421397 0.97526934 0.150997271 0.223884433 0.50115902 0.73817807
mmu.mR.87b.5p 689.8758117 0.21015556 0.175890219 0.75890219 0.0785914 0.99979593 -0.022012547 0.148470145 0.88213565 0.9833498 0.096737952 0.148486515 0.51777374 0.7382022
mmu.mR.49d.5p 117.555235 0.574344773 0.338210185 1.698189935 0.0847211 0.99979593 -0.34276564 0.239529451 0.15242971 0.82120506 -0.15422374 0.23803119 0.51378876 0.7382022
mmu.mR.16.5p 32312.56891 -0.232698928 0.211486997 0.110549863 0.27065782 0.99979593 -0.054013545 0.149537957 0.7179477 0.96622328 0.098127884 0.149532809 0.51167628 0.7382022
mmu.mR.421.3p 3686.268039 0.195713498 0.184305357 0.16918804 0.28828197 0.99979593 -0.268571019 0.13028795 0.0392683 0.442886 0.086183507 0.13021992 0.5080753 0.7382022
mmu.mR.135b.5p 127.6942566 0.471431502 0.929517463 0.35262098 0.99979593 0.51072733 0.357882489 0.12360552 0.77552744 -0.0510223 0.360020122 0.51011853 0.7382022
mmu.mR.307a.5p 100.873063 0.0628205 0.17899037 0.349786404 0.72648692 0.99979593 -0.11541116 0.126219509 0.36164791 0.90109054 0.08178816 0.126273294 0.5117415 0.7382022
mmu.mR.135a.2.3p 102.4327847 0.091220776 0.334796647 0.272466216 0.78526356 0.99979593 0.035219253 0.234048032 0.03154981 0.40150293 -0.15648082 0.24223044 0.51653467 0.7382022
mmu.mR.697f.5p 97.3816567 -0.292287316 0.448970924 -0.653929149 0.51315745 0.99979593 -0.235846627 0.312250698 0.48006194 0.91382899 -0.202398 0.316869897 0.52151404 0.74059922
mmu.mR.193b.3p 297.661924 0.165544262 0.165544262 0.165544262 0.165544262 0.99979593 -0.287570205 0.287570205 0.165544262 0.91382899 0.165544262 0.287570205 0.165544262 0.74059922
mmu.mR.24.3p 97.2721495 0.153887616 0.153887616 0.153887616 0.153887616 0.99979593 -0.10863507 0.10863507 0.12212958 0.84914814 -0.069038672 0.108698558 0.52529216 0.74059922
mmu.mR.200b.3p 195.485547 -0.138652542 0.565125699 -0.242115076 0.808691 0.99979593 -0.353032115 0.398363812 0.37550692 0.90109054 -0.25216071 0.398214304 0.52658433 0.74059922
mmu.mR.144.3p 505.2511945 -0.03626247 0.31267384 0.107902161 0.99979593 -0.032639085 0.221229561 0.12820435 0.78370732 0.140537003 0.22015737 0.32326653 0.74059922
mmu.mR.425.5p 3521.330072 0.10086451 0.136112099 0.741039997 0.4586919 0.99979593 -0.18284094 0.096172571 0.05727902 0.50814045 -0.060420525 0.096118859 0.52958787 0.74240092
mmu.mR.431.3p 2057.13598 0.370705302 0.235140372 1.57652767 0.11490425 0.99979593 -0.192634592 0.266249859 0.24657633 0.84914814 -0.103152387 0.166224226 0.53488805 0.74487713
mmu.mR.504.5p 84.90460449 -0.393118849 0.40894501 0.961295131 0.3364038 0.99979593 -0.122216769 0.288090774 0.67135529 0.96169393 0.173445697 0.28543477 0.54132715 0.74487713
mmu.mR.65z.3p 1687.036296 0.147240423 0.174438727 0.47495953 0.99979593 -0.009733554 0.100049694 0.41241835 0.90428162 0.066952421 0.100795503 0.54789851 0.74487713
mmu.mR.89b.3p 449.898928 0.149209029 0.149209029 0.149209029 0.149209029 0.99979593 -0.21597034 0.21597034 0.149209029 0.90428162 -0.093288494 0.21597034 0.149209029 0.74487713
mmu.mR.69d 100.109545 -0.25514518 0.442748287 -0.576275928 0.56442869 0.99979593 -0.35300448 0.312492982 0.25563834 0.84914814 0.190623884 0.314373894 0.54427545 0.74487713

mmu.mR.93.5p	5491.551278	-0.044496861	0.23609792	-0.18846312	0.85201347	0.99979593	0.11082641	0.166898502	0.54168498	0.91676619	-0.05636962	0.166903587	0.7534389	0.86409269
mmu.mR.455.3p	167.017812	-0.87074162	0.69614391	-1.25080695	0.2110049	0.99979593	0.408221286	0.4900366	0.4047918	0.90428162	-0.16276235	0.491975683	0.74082511	0.8664889
mmu.mR.411.3p	1699.506671	0.162682645	0.386603875	0.69094949	0.99979593	0.067344449	0.114863239	0.55767336	0.92194548	0.071399274	0.115104225	0.74131236	0.86646899	
mmu.mR.814	78.94060148	1.198037687	0.178612075	1.667154962	0.0945836	0.99979593	-0.584810359	0.595272097	4.79E-23	4.93E-20	0.08007834	0.248730975	0.74471026	0.86623334
mmu.mR.184.5p	256.387154	-0.001891594	0.273107494	-0.006890817	0.9945017	0.99979593	0.933074667	0.19226744	3.71E-05	0.0038172	0.062477256	0.19668602	0.75097101	0.87322211
mmu.mR.152.5p	96.65182359	-0.552195249	0.16720691	-0.582126299	0.06269533	0.99979593	0.873126289	0.67396053	0.14465405	0.9186534	-0.1711463499	0.522322807	0.74153131	0.86924242
mmu.mR.598.3p	304.08512	-0.094103693	0.204333818	-0.460538713	0.64512959	0.99979593	-0.121737448	0.144383971	0.39914357	0.90428162	-0.04207884	0.144371849	0.77069836	0.86962245
mmu.mR.673.5p	2321.736495	0.19196992	0.445259759	0.655806908	0.99979593	0.14319159	0.135693197	0.29130647	0.85401003	0.038555042	0.135845238	0.77655145	0.86982425	
mmu.mR.877.5p	293.7518307	0.08414817	0.237955518	0.342310462	0.73211726	0.99979593	-0.260439754	0.168316003	0.12178462	0.7735877	0.047897602	0.166849091	0.74705765	0.86982425
mmu.mR.674.5p	438.3915974	0.0594731	0.205797587	0.28988326	0.162274055	0.99979593	-0.162274055	0.165126698	0.26350106	0.84920287	-0.043152802	0.166443070	0.76574814	0.86982425
mmu.mR.1485.5p	333.7893957	-0.027288743	0.170359319	-0.16018435	0.87273657	0.99979593	-0.026408363	0.119997525	0.82578152	0.97526934	0.304177331	0.119885249	0.77567818	0.86982425
mmu.mR.485.3p	1108.12089	0.008815836	0.193895179	0.045487022	0.96373506	0.99979593	0.002654027	0.136989149	0.95029031	0.99186534	0.039203235	0.137040975	0.77424894	0.86982425
mmu.mR.1060.5p	501.4452675	-0.174030549	0.21463077	-0.68503947	0.49931802	0.99979593	-0.202893379	0.15134116	0.84822989	0.97526934	0.094175149	0.115268823	0.76258484	0.88989406
mmu.mR.294.5p	275.6946007	0.034939061	0.237650081	0.166143422	0.85201347	0.99979593	0.004420786	0.117458639	0.59463079	0.9247071	0.02598162	0.117481207	0.8252436	0.91499005
mmu.mR.151.3p	48053.0293	-0.0454874	0.178797627	-0.25440178	0.7993101	0.99979593	-0.165106409	0.125425867	0.19156809	0.8314321	-0.03202225	0.128419467	0.79283157	0.89589441
mmu.mR.540.5p	427.3840601	-0.03098485	0.198209095	-0.156346805	0.87579697	0.99979593	-0.189300703	0.139097536	0.17602743	0.82380676	0.03680989	0.130100667	0.79130132	0.89589441
mmu.mR.186.5p	20286.80091	-0.021347279	0.229540683	-0.029994979	0.92503859	0.99979593	-0.018458135	0.162297013	0.90945136	0.991115	-0.042306076	0.162307706	0.79435971	0.89589441
mmu.mR.370.3p	1204.609569	0.207526254	0.202972614	0.98062757	0.32263244	0.99979593	-0.135684741	0.143456431	0.34439689	0.89738466	-0.036236472	0.1433965	0.8004991	0.90056149
mmu.mR.6540.5p	168.5346217	0.251760983	0.445172873	0.565419166	0.57178889	0.99979593	-0.284907209	0.315354031	0.36628609	0.90109054	0.046235459	0.313663462	0.8118441	0.9110919
mmu.mR.687.3p	3037.004143	0.172025849	0.214581328	0.393536434	0.42720719	0.99979593	0.01280502	0.151689141	0.93248968	0.99186534	-0.03461366	0.151757919	0.82645933	0.91499005
mmu.mR.671.5p	217.276891	0.12858472	0.314680208	0.086255443	0.86288796	0.99979593	-0.15534173	0.222590685	0.48525194	0.91382899	-0.049749608	0.221880144	0.82258738	0.91499005
mmu.mR.140.3p	10788.86709	0.033096122	0.166143422	-0.21124022	0.85201347	0.99979593	0.009420786	0.117458639	0.59463079	0.9247071	0.02598162	0.117481207	0.8252436	0.91499005
mmu.mR.71.1.3p	198.359683	0.030096555	0.20509656	0.15113147	0.87897187	0.99979593	-0.090379337	0.14408606	0.53048803	0.91406262	-0.032692517	0.143987395	0.8203603	0.91499005
mmu.mR.3108.1.3p	104.3757119	-0.05148686	0.16128296	-0.089512126	0.92687485	0.99979593	-1.393874821	0.145415851	0.00136833	0.0485521	-0.007314316	0.426455398	0.8194585	0.91499005
mmu.mR.183.5p	107.0477865	0.074926705	0.782426245	-0.990461031	0.32194883	0.99979593	0.859773107	0.550478135	0.11831955	0.76808768	-0.117846279	0.555108648	0.83218006	0.91782139
mmu.mR.3544.3p	350.6530674	0.228323466	-0.119400414	0.90498511	0.99979593	0.150534036	-0.161844224	0.22554839	0.84914814	0.03890044	0.600316352	0.83214121	0.91782139	
mmu.mR.1460.5p	7637.367203	-0.110638342	0.276158179	-0.400634673	0.68888911	0.99979593	0.46684274	0.195241523	0.01688132	0.29442172	0.040353434	0.195335121	0.83633436	0.91963081
mmu.mR.354.5p	99.75104164	-0.06433374	0.325158556	-0.019785424	0.98421461	0.99979593	0.182564676	0.228997669	0.42531527	0.91304793	0.03701223	0.3211905	0.8378885	0.91963081
mmu.mR.409.3p	1177.721902	0.400711578	0.247149204	1.621334693	0.10494588	0.99979593	-0.008063075	0.174762955	0.96320089	0.99186534	-0.033066423	0.174779784	0.84994463	0.91869919
mmu.mR.381.3p	63814.76727	0.174262447	0.197028997	0.884450765	0.37645293	0.99979593	0.191478285	0.139317599	0.16931705	0.82380676	-0.02599574	0.139326973	0.84861488	0.91869919
mmu.mR.260.3p	152.8690944	0.03693781	0.268931741	-0.62589082	0.5313877	0.99979593	0.05595104	0.186483753	0.7841253	0.97526934	-0.03695295	0.187781452	0.8454803	0.91869919
mmu.mR.7d.3p	4953.688737	-0.06611144	0.116867903	-0.56571659	0.57158466	0.99979593	-0.075615848	0.082549021	0.35960899	0.90109054	-0.015527789	0.082549828	0.85036797	0.91869919
mmu.mR.2194.5p	392.9386575	-0.252803462	0.46496461	-0.543704474	0.58646647	0.99979593	-0.228827462	0.328509389	0.48607636	0.91382899	-0.054049826	0.32801211	0.83218006	0.91869919
mmu.mR.2994.5p	115.315635	-0.125887395	0.313596377	-0.401431281	0.68810262	0.99979593	0.338219536	0.21938585	0.12315451	0.77552744	-0.042824503	0.223957203	0.8483523	0.91869919
mmu.mR.340.3p	456.528871	0.003273663	0.17765387	0.206715246	0.83623225	0.99979593	-0.079541063	0.125178541	0.52515393	0.91382899	-0.02820161	0.125153589	0.80543093	0.92091847
mmu.mR.322.3p	287.826994	0.006149424	0.37036313	0.16063707	0.98675272	0.99979593	-0.18452394	0.261773641	0.48087318	0.91382899	-0.047598928	0.261117224	0.8535354	0.92091847
mmu.mR.327b.3p	138.0088488	0.12468787	0.477998807	-1.281257065	0.20010339	0.99979593	0.499462573	0.335375167	0.13641753	0.80213508	-0.059846933	0.337892909	0.86256427	0.924176
mmu.mR.134.5p	896.3539479	0.095712888	0.233045705	0.410712623	0.58128312	0.99979593	-0.174532818	0.16466131	0.28916887	0.8529189	0.02859973	0.165026506	0.86218973	0.924176
mmu.mR.780.5p	152.8690944	-0.05679705	0.20509656	-0.06262322	0.92687485	0.99979593	0.005493582	0.207182959	0.94582645	0.99186534	-0.020716028	0.187781452	0.8454803	0.91869919
mmu.mR.338.3p	102.722369	-0.195272639	0.34187813	-0.571223699	0.56784584	0.99979593	-0.268441346	0.241737115	0.26879738	0.84208227	-0.0589973	0.241721921	0.8719639	0.9281889
mmu.mR.467e.5p	70.1654918	0.221090279	0.302284862	0.731364173	0.46456574	0.99979593	0.80139343	0.21902429	0.00014498	0.0124325	-0.01210982	0.227650143	0.9017243	0.9506108
mmu.mR.496a.3p	765.3775968	-0.110422427	0.237748161	-0.464450478	0.64232503	0.99979593	0.228254394	0.16778399	0.171393	0.82380676	0.020530303	0.168361825	0.90294657	0.9506108
mmu.mR.34a.5p	653.0269997	-0.187907643	0.416367655	-0.449356814	0.65317428	0.99979593	-0.041705339	0.294210856	0.96013648	0.99186534	0.036517908	0.294244841	0.9012588	0.9506108
mmu.mR.3065.5p	6282.076049	-0.165375899	0.341328735	-0.48450568	0.6208283	0.99979593	-0.284318345	0.241334879	0.2387539	0.84914814	-0.02545963	0.24128884	0.9195674	0.96757082
mmu.mR.350.3p	161.1825348	-0.262455898	0.252759656	-1.04666181	0.29526555	0.99979593	-0.121246272	0.177012884	0.49337085	0.91382899	-0.01693876	0.17618874	0.9258439	0.9698095
mmu.mR.7.3p	349.4813658	0.20296515	0.245594502	0.826505287	0.84981752	0.99979593	-0.161301953	0.17240466	0.35069511	0.89767479	-0.01688807	0.172435904	0.92326715	0.9698095
mmu.mR.760.5p	2963.72673	-0.036677812	0.268931741	-0.96262322	0.92687485	0.99979593	0.005493582	0.207182959	0.94582645	0.99186534	-0.020716028	0.187781452	0.8454803	0.91869919
mmu.mR.151.5p	29633.72673	-0.06669315	0.208577502	-0.319774486	0.74913329	0.99979593	-0.217997174	0.147480639	0.13937005	0.81483968	-0.014509009	0.147469557	0.92404875	0.9898025
mmu.mR.219b.3p	160.5196342	-0.23063454	0.404611866	-0.570013816	0.56868633	0.99979593	-0.133016677	0.28569368	0.64150722	0.94989897	0.025374613	0.285440173	0.92914627	0.99102506
mmu.mR.674.3p	802.045422	-0.16395641	0.19697428	-0.083274471	0.93366272	0.99979593	-0.144669017	0.13907467	0.29823516	0.86532855	-0.01090701	0.138879795	0.937402	0.97646042
mmu.mR.380.3p	3226.604261	0.14165821	0.702549109	0.48233679	0.99979593	0.180498448	-0.10498448	0.142564622	0.20548386	0.84914814	-0.00912612	0.142842825	0.94892977	0.9771588
mmu.mR.323.3p	1327.433246	0.21036375	0.353900001	0.592027606	0.99979593	-0.294930868	0.148743551	0.04738816	0.464404	0.00990303	0.148380692	0.9463194	0.9771588	
mmu.mR.823b.3p	6862.68572	-0.097732319	0.187835086	-0.425762944	0.67028059	0.99979593	-0.132086429	0.13278						

mmu.mr.690.5p	6.332423279	1.311878941	1.003839367	1.306772506	0.19269892	0.99979593	-0.631415386	0.689367761	0.3597015	0.9019054	-0.919008217	0.714233398	0.89720088	0.19271218
mmu.mr.1934.3p	3.400015978	1.906276313	1.467432418	1.290560609	0.19320485	0.99979593	-0.748550082	1.043189808	0.47303234	0.91382899	-0.714380634	1.03744921	0.49369923	NA
mmu.mr.690.5p	1.147468099	-2.232045031	2.486718119	-1.296096575	0.19492415	0.99979593	0.233025093	1.597954287	0.88404416	0.9833498	0.60907206	1.630701347	0.9958071	NA
mmu.mr.1251.3p	0.957661771	-4.586864024	3.540649879	-1.29032515	0.19692842	0.99979593	1.914251487	2.427877172	0.42396147	0.91267019	0.951124748	2.200393946	0.704626004	NA
mmu.mr.466i.5p	0.966630374	-3.563910388	2.775413386	-1.284100735	0.19910671	0.99979593	1.998008266	1.939313421	0.17218769	0.78370732	1.669461594	2.065876242	0.419833304	NA
mmu.mr.174i.5p	-3.317428176	1.742851561	2.592931176	-1.290017397	0.20007416	0.99979593	1.656521907	0.658121439	0.52677978	0.86532859	0.284633313	1.804343002	NA	
mmu.mr.3069.5p	23.0473826	0.652418174	0.153927877	1.262474164	0.20427199	0.99979593	-0.398165887	0.374638353	0.28786978	0.85120115	0.139354071	0.356655471	0.69600782	NA
mmu.mr.8111.4p	17.94410585	-1.271404655	0.88884759	1.26350636	0.20467027	0.99979593	-5.017060812	0.70985535	1.68E-12	5.76E-10	-0.245674354	0.321997196	0.445481	NA
mmu.mr.3059.3p	2.651565842	-2.174661349	1.729405729	-1.257461631	0.20858652	0.99979593	2.634575477	1.277939129	0.03924761	0.442886	0.413073233	1.35852696	0.29245893	NA
mmu.mr.296.3p	23.74278496	-0.071625392	0.490898959	-1.255373037	0.2093412	0.99979593	0.258328655	0.352984261	0.46426526	0.91382899	0.62004807	0.34486335	0.7070589	NA
mmu.mr.41b.3p	0.643117604	0.91260773	1.340470112	1.249568922	0.21145706	0.99979593	-1.775393827	2.183046717	0.41606658	NA	-2.683714336	2.187838088	2.199537	NA
mmu.mr.212.3p	29.01359419	0.599458935	0.483536188	1.239739552	0.2107741	0.99979593	-0.3417827	0.348989739	0.32728149	0.86624382	0.075244662	0.37648734	0.82365308	NA
mmu.mr.6911.3p	15.38449742	0.849106679	0.695699691	1.220507463	0.22222756	0.99979593	0.432624947	0.505808058	0.38557557	0.90325715	0.064249838	0.48672572	0.89475441	NA
mmu.mr.3070.3p	0.946137077	1.195859914	1.686204985	1.183780758	0.22649782	0.99979593	-1.270891695	2.007951904	0.52677978	0.91382899	3.014695238	1.919009071	0.09762879	NA
mmu.mr.6020.3p	0.69203734	-0.528037734	0.379381073	-1.210984617	0.22590121	0.99979593	0.37583444	2.465456965	0.17120592	NA	2.09759449	0.87461505	0.457081	NA
mmu.mr.667.5p	32.09120402	0.61390073	0.508405529	1.207502075	0.22723885	0.99979593	-0.299942439	0.356877503	0.40080575	0.90428162	-0.33016657	1.358934952	0.40521531	NA
mmu.mr.6902.5p	1.987418001	2.257623396	1.870771713	1.207235417	0.2273415	0.99979593	-0.879903125	1.301402061	0.49936009	0.91382899	-1.12391707	0.356893229	0.40761068	NA
mmu.mr.5113	0.411801390	-1.586641729	1.320560433	-1.201491192	0.22966072	0.99979593	0.334135735	0.865105937	0.69932131	0.96236365	0.030090841	0.866233807	0.96489034	NA
mmu.mr.27a.5p	25.45009146	-0.754198491	0.635418827	-1.186931294	0.23525472	0.99979593	0.517237516	0.460366651	0.26124191	0.84914814	0.105703444	0.45079153	0.02343218	NA
mmu.mr.135a.1.3p	11.34713308	1.24853664	1.05420993	1.18540475	0.23600129	0.99979593	0.950757123	0.107117243	0.17508004	0.82380676	-1.106011229	0.606228076	0.7101893	NA
mmu.mr.6913.3p	9.46513694	1.03501157	0.870003948	1.18447599	0.232247	0.99979593	-1.187582696	0.599462745	0.19229962	0.8314321	0.228581827	0.606244092	0.15637043	NA
mmu.mr.470.5p	2.201272978	1.959689616	1.686204985	1.183780758	0.23649782	0.99979593	-1.589880253	1.347247919	0.23920456	0.84914814	0.919856999	1.04785869	0.92712018	NA
mmu.mr.3112.5p	0.72437653	-8.280285335	3.230737298	-1.182656709	0.23984562	0.99979593	1.877996055	0.296471953	0.41311973	NA	1.242110621	2.274427863	0.25028947	NA
mmu.mr.3106.5p	11.34724988	-1.0066848	0.88416672	-1.164159907	0.2435922	0.99979593	0.44564477	0.593078758	0.45258941	0.91382899	0.124318959	0.6009338	0.8362089	NA
mmu.mr.18a.5p	33.68616058	-0.5603234	0.48444709	-1.15615293	0.24761861	0.99979593	0.353629624	0.342599344	0.30198038	0.86548937	0.790167177	0.347920283	2.5503299	NA
mmu.mr.802.5p	0.444875116	-1.494256933	0.29439022	-1.154006535	0.24849749	0.99979593	0.591848258	0.904085815	0.51267569	0.91382899	0.117995342	0.899220059	0.42460006	NA
mmu.mr.702a.3p	0.707508935	3.997697338	3.478877461	1.149132243	0.25050104	0.99979593	-1.94568412	2.419188995	0.42126422	NA	-2.88406494	2.425479698	0.23432399	NA
mmu.mr.6965.5p	3.639353181	1.474260363	1.286522993	1.145928626	0.25182484	0.99979593	-1.246015872	0.950842287	0.19004913	0.8314321	-0.86768424	0.851093384	0.7006813	NA
mmu.mr.20b.5p	6.183213002	-1.47194125	1.290346855	-1.140618989	0.25402851	0.99979593	0.022006478	0.945682957	0.83080389	0.97529694	1.604483254	0.886269921	0.07023724	NA
mmu.mr.701.75i.4p	44.7566984	0.43161616	1.379043417	1.136226117	0.25406886	0.99979593	-0.337064152	2.08108174	0.20869317	0.84914814	-0.138099261	0.264281733	0.60126568	NA
mmu.mr.765b.3p	0.508232646	-4.228970723	3.719308144	-1.136224954	0.25582464	0.99979593	0.278726574	2.610014122	0.26667263	NA	2.581789397	2.843828687	0.5973373	NA
mmu.mr.37b	-0.403009076	0.373412204	-1.07947175	-1.208037481	0.25979593	0.99979593	-0.094662769	0.262400582	0.19826213	0.96622328	0.718221156	2.25618107	0.45548863	NA
mmu.mr.344f.5p	9.912718701	-0.876351644	0.814963896	-0.703525727	0.26222892	0.99979593	0.819551766	0.595314503	0.13068943	0.79105541	0.995269219	0.592306635	0.9339149	NA
mmu.mr.3072.5p	0.926251304	-2.926040545	-1.073580439	-1.073580439	0.28301077	0.99979593	2.011553942	2.024474861	0.29603125	0.8629533	2.421119032	1.993888028	0.2952222	NA
mmu.mr.1929.5p	1.490834193	2.298613323	1.241292421	1.073470069	0.28306206	0.99979593	-1.414454253	1.394386291	0.31039573	0.86980201	-2.129877177	1.523617767	0.16214075	NA
mmu.mr.1968.3p	0.517557813	4.59233261	1.065007982	-1.00607982	0.2867232	0.99979593	0.303917386	0.43493692	NA	NA	0.330717474	0.330713856	0.44313465	NA
mmu.mr.700b.3p	2.735636741	-1.903285712	1.10876057	-1.051146451	0.29319113	0.99979593	0.327429662	1.319836136	0.80407133	0.92562934	1.685696497	1.23247953	0.71135382	NA
mmu.mr.699b.3p	12.75896291	-0.77507187	0.739389687	-1.048272846	0.29451292	0.99979593	1.61346307	0.528846895	0.0230598	0.06348545	0.63398384	0.56824201	0.26470993	NA
mmu.mr.699b.3p	0.349356722	-0.45520322	0.349356722	-0.45520322	0.29451292	0.99979593	2.33022215	2.33022215	0.84197169	NA	2.655130789	2.655130789	0.35937074	NA
mmu.mr.7036a.5p	1.266353453	-2.60757552	2.480915291	-1.047254712	0.29482112	0.99979593	-0.086013474	1.651076606	0.95845269	0.99186534	0.645062091	1.580837988	0.86326238	NA
mmu.mr.302b.3p	-0.90083245	-2.804613621	2.685679513	-1.0428456	0.29635376	0.99979593	3.458991974	1.942888881	0.07505493	NA	0.263399951	2.071916437	0.25601679	NA
mmu.mr.6952.5p	0.544682218	3.446017045	3.300207935	1.044181195	0.29640129	0.99979593	-1.025444336	2.345414582	0.66195732	NA	-1.933158547	2.349824914	0.41088978	NA
mmu.mr.1187	1.025281859	2.964196713	1.03921213	1.03112757	0.29979593	0.99979593	-0.968809744	1.99596186	0.62740926	0.939744	-1.707695999	2.064887778	0.28687786	NA
mmu.mr.653.7.3p	3.362013871	-1.997975282	1.941846808	-1.028903296	0.30352512	0.99979593	1.351639546	1.427292361	0.34364104	0.89738466	1.972282914	1.400909142	0.15917277	NA
mmu.mr.7659.5p	0.478041677	3.773969104	1.072711942	1.3040835	0.30895953	0.99979593	1.825258624	2.64072568	0.48945018	NA	1.278249633	2.69616013	0.63875424	NA
mmu.mr.362.5p	0.301297274	-0.533418759	0.61942888	-1.026931192	0.30445004	0.99979593	1.63422562	0.365452167	0.69714527	0.96265365	0.278646004	0.35675	0.44447158	NA
mmu.mr.286i	0.642661504	-4.99848168	4.010532154	-1.026931192	0.30677095	0.99979593	2.821410154	2.74632555	0.30462392	NA	0.496699377	2.92077209	0.86489436	NA
mmu.mr.467a.3p	1.363061419	-2.256965907	2.256965907	-1.00882458	0.31395979	0.99979593	-1.100530348	1.430744424	0.94376073	0.99186534	0.078339333	1.414814402	0.9566877	NA
mmu.mr.1198.3p	17.51489163	0.645813572	0.840458842	1.00630771	0.3132813	0.99979593	0.835629134	0.437935997	0.05637277	0.50445043	-0.379632547	0.49898217	0.43849447	NA
mmu.mr.6936.5p	2.934971702	1.560155494	1.004012781	0.3130243	0.319979593	0.99979593	0.694162523	1.129032644	0.53866736	0.91676619	-0.294604973	1.088202402	0.78660157	NA
mmu.mr.150.3p	17.82505856	0.669596910	0.669360517	1.000312924	0.31715909	0.99979593	-0.435866739	0.474967842	0.35878835	0.90190504	-0.205713068			

mmu.mr.503.3p	10.12283645	0.881517213	0.817805521	0.41346825	0.99979593	-0.237801526	0.634557825	0.70784525	0.96256365	0.047317305	0.622474986	0.9394311 NA	
mmu.mr.511.3p	3.891315024	1.10618782	1.352839893	0.81762226	0.41357005	0.99979593	0.233675249	0.896887582	0.79444713	0.97526934	1.10841352	0.31027899	
mmu.mr.512.3p	0.523718264	-2.33196264	4.333465669	-0.21619668	0.41667882	0.99979593	0.429452284	3.124946402	0.87478191 NA	NA	2.246727536	3.002306249	0.45452922 NA
mmu.mr.1256.3p	4.408788588	1.765714248	7.167514977	-0.80481587	0.41862491	0.99979593	4.577114328	3.167115915	0.00091983	0.04051513	1.881963689	1.590240167	0.24170447 NA
mmu.mr.1982.3p	0.674564663	2.582216373	3.204494399	0.80581086	0.42035192	0.99979593	-0.987800345	2.165715126	0.6483122 NA	NA	2.297070582	2.23049493	0.22723948 NA
mmu.mr.3060.5p	3.498281761	-1.021934564	1.150252841	-0.12387693	0.42141731	0.99979593	0.183201731	0.81520441	0.771407	0.8491481 NA	0.930115427	0.85040922	0.9223704 NA
mmu.mr.31.3p	29.58968168	-0.428138283	0.533351963	-0.80273142	0.4213009	0.99979593	-0.261814089	0.3632813	0.47109876	0.91382899	-0.308041379	0.38542913	0.39933235 NA
mmu.mr.499.3p	0.993899777	1.62241385	2.271365022	0.80236399	0.42234247	0.99979593	-0.275797162	1.478636906	0.85203604	0.97526934	-1.714040582	1.690836701	0.31071748 NA
mmu.mr.34a.3p	4.123875338	1.017015836	1.262636923	0.80040183	0.42334264	0.99979593	-0.54706804	0.920367409	0.55224285	0.92100145	-0.027307306	0.877226186	0.97516654 NA
mmu.mr.542.5p	0.998305217	-0.98603349	1.746630137	-0.79912438	0.42421829	0.99979593	-0.15241313	0.530013001	0.77368801	0.97526934	0.441578283	0.503303567	0.38029128 NA
mmu.mr.701a.3p	5.62690961	-1.07820895	1.351138811	-0.79900002	0.42487044	0.99979593	-2.13160603	0.91163378	0.01937552	0.30208189	0.322033709	0.726323399	0.96530246 NA
mmu.mr.363.3p	25.36022425	-0.678708846	0.850077732	-0.797349606	0.42524802	0.99979593	-0.445102717	0.614083032	0.48686011	0.91382899	-1.15413173	0.585152334	0.608663820 NA
mmu.mr.976.3p	6.780959583	-0.784150655	0.984882439	-0.796187061	0.42635232	0.99979593	-0.205455899	0.710044167	0.77420777	0.97526934	0.7648694	0.659233261	0.24611933 NA
mmu.mr.360.5p	1.117044483	-1.980963983	2.513432359	-0.788153091	0.43000716	0.99979593	0.524862497	1.598904466	0.87342994	0.97904063	-0.288706073	1.672409673	0.86294321 NA
mmu.mr.691a.5p	2.500831401	-1.375011414	1.745165416	-0.787896896	0.43075702	0.99979593	-0.289084474	0.181370412	0.80079498	0.97526934	0.315900731	1.183970257	0.781131378 NA
mmu.mr.7045.3p	0.810677221	2.22923396	2.824975831	0.78688227	0.43135079	0.99979593	-0.56124855	1.958810658	0.73588335 NA	NA	1.055034464	2.031410805	0.48289527 NA
mmu.mr.6691	0.807689778	-2.090637865	2.661228634	-0.785591226	0.43210701	0.99979593	-1.864300334	1.968189816	0.33837683 NA	NA	-1.896574447	1.975390333	0.3439064 NA
mmu.mr.704.3p	2.344499382	1.347211965	1.715069695	0.785313944	0.43226652	0.99979593	-0.191929563	1.219940497	0.11898831	0.76808768	-0.021548225	1.081448602	0.904313782 NA
mmu.mr.4094.3p	6.86371226	-0.98599557	1.259345507	-0.78293544	0.43366603	0.99979593	0.989196637	0.862536027	0.25144497	0.84914814	-0.962506250	0.907385502	0.9400427 NA
mmu.mr.6926.5p	1.019914936	1.98730317	2.538594450	0.78283606	0.43372324	0.99979593	-1.154814943	1.76248916	0.51971058	0.91382899	-0.288237905	1.776901778	0.547939704 NA
mmu.mr.6379	0.828206202	-2.587112567	3.282044796	-0.782186886	0.43411546	0.99979593	-0.388297149	2.293762026	0.51895007 NA	NA	2.196845973	2.331931961	0.348376704 NA
mmu.mr.196.3p	56.47580947	0.487510639	0.487510639	-0.779815621	0.43449839	0.99979593	0.085086978	0.344918407	0.80519106	0.97526934	0.342577979	0.972578254	0.34625256 NA
mmu.mr.491.491.3p	20.78835825	0.397800778	0.511702515	-0.77599927	0.43774942	0.99979593	-0.021188152	0.365652715	0.95379156	0.99186534	0.6523211	0.364325899	0.88535271 NA
mmu.mr.1291.3p	3.86106345	-0.902537826	1.164158355	-0.775270669	0.43817974	0.99979593	0.70607128	0.830074303	0.3949484	0.90428162	0.644287547	0.837530984	0.44173282 NA
mmu.mr.7029.5p	0.852874202	-0.272565401	2.683716386	-0.772274377	0.43995194	0.99979593	0.959573978	1.725028791	0.57795806 NA	NA	-0.202217176	1.877646165	0.91423692 NA
mmu.mr.328.5p	0.559299555	-2.92205652	3.790302522	-0.770989667	0.44072533	0.99979593	0.236653956	2.700179742	0.34752254 NA	NA	2.372156287	2.716853111	0.38259432 NA
mmu.mr.223.5p	3.784634823	-1.162843435	1.509858213	-0.770167309	0.44120065	0.99979593	-0.572881164	1.146352191	0.6174404	0.93244203	1.775194194	0.970362226	0.067375513 NA
mmu.mr.143.5p	23.14527694	0.668154414	-0.766732918	0.434203403	0.99979593	-0.08008699	0.466917767	0.85049378	0.97526934	0.11133984	0.467511717	0.81176637 NA	
mmu.mr.7690.5p	0.460236992	-3.327928101	4.352023174	-0.76468529	0.44445897	0.99979593	0.492504639	3.131065899	0.87501145 NA	NA	2.054879826	3.022704881	0.49660155 NA
mmu.mr.190.190.3p	8.460844149	-0.674874795	0.862779038	-0.764479063	0.44458179	0.99979593	0.530034488	0.629871795	0.40007022	0.90428162	0.572929799	0.629849102	0.36018638 NA
mmu.mr.3070.5p	0.545084454	2.83249818	3.719113112	-0.76162859	0.44529723	0.99979593	0.133175149	2.638983019	0.95071985 NA	NA	0.992504711	2.551623978	0.69727361 NA
mmu.mr.1291.3p	3.86106345	-0.902537826	1.164158355	-0.775270669	0.43817974	0.99979593	0.70607128	0.830074303	0.3949484	0.90428162	0.644287547	0.837530984	0.44173282 NA
mmu.mr.7029.5p	0.852874202	-0.272565401	2.683716386	-0.772274377	0.43995194	0.99979593	0.959573978	1.725028791	0.57795806 NA	NA	-0.202217176	1.877646165	0.91423692 NA
mmu.mr.328.5p	0.559299555	-2.92205652	3.790302522	-0.770989667	0.44072533	0.99979593	0.236653956	2.700179742	0.34752254 NA	NA	2.372156287	2.716853111	0.38259432 NA
mmu.mr.223.5p	3.784634823	-1.162843435	1.509858213	-0.770167309	0.44120065	0.99979593	-0.572881164	1.146352191	0.6174404	0.93244203	1.775194194	0.970362226	0.067375513 NA
mmu.mr.143.5p	23.14527694	0.668154414	-0.766732918	0.434203403	0.99979593	-0.08008699	0.466917767	0.85049378	0.97526934	0.11133984	0.467511717	0.81176637 NA	
mmu.mr.7690.5p	0.460236992	-3.327928101	4.352023174	-0.76468529	0.44445897	0.99979593	0.492504639	3.131065899	0.87501145 NA	NA	2.054879826	3.022704881	0.49660155 NA
mmu.mr.190.190.3p	8.460844149	-0.674874795	0.862779038	-0.764479063	0.44458179	0.99979593	0.530034488	0.629871795	0.40007022	0.90428162	0.572929799	0.629849102	0.36018638 NA
mmu.mr.3070.5p	0.545084454	2.83249818	3.719113112	-0.76162859	0.44529723	0.99979593	0.133175149	2.638983019	0.95071985 NA	NA	0.992504711	2.551623978	0.69727361 NA
mmu.mr.1291.3p	3.86106345	-0.902537826	1.164158355	-0.775270669	0.43817974	0.99979593	0.70607128	0.830074303	0.3949484	0.90428162	0.644287547	0.837530984	0.44173282 NA
mmu.mr.7029.5p	0.852874202	-0.272565401	2.683716386	-0.772274377	0.43995194	0.99979593	0.959573978	1.725028791	0.57795806 NA	NA	-0.202217176	1.877646165	0.91423692 NA
mmu.mr.328.5p	0.559299555	-2.92205652	3.790302522	-0.770989667	0.44072533	0.99979593	0.236653956	2.700179742	0.34752254 NA	NA	2.372156287	2.716853111	0.38259432 NA
mmu.mr.223.5p	3.784634823	-1.162843435	1.509858213	-0.770167309	0.44120065	0.99979593	-0.572881164	1.146352191	0.6174404	0.93244203	1.775194194	0.970362226	0.067375513 NA
mmu.mr.143.5p	23.14527694	0.668154414	-0.766732918	0.434203403	0.99979593	-0.08008699	0.466917767	0.85049378	0.97526934	0.11133984	0.467511717	0.81176637 NA	
mmu.mr.7690.5p	0.460236992	-3.327928101	4.352023174	-0.76468529	0.44445897	0.99979593	0.492504639	3.131065899	0.87501145 NA	NA	2.054879826	3.022704881	0.49660155 NA
mmu.mr.190.190.3p	8.460844149	-0.674874795	0.862779038	-0.764479063	0.44458179	0.99979593	0.530034488	0.629871795	0.40007022	0.90428162	0.572929799	0.629849102	0.36018638 NA
mmu.mr.3070.5p	0.545084454	2.83249818	3.719113112	-0.76162859	0.44529723	0.99979593	0.133175149	2.638983019	0.95071985 NA	NA	0.992504711	2.551623978	0.69727361 NA
mmu.mr.1291.3p	3.86106345	-0.902537826	1.164158355	-0.775270669	0.43817974	0.99979593	0.70607128	0.830074303	0.3949484	0.90428162	0.644287547	0.837530984	0.44173282 NA
mmu.mr.7029.5p	0.852874202	-0.272565401	2.683716386	-0.772274377	0.43995194	0.99979593	0.959573978	1.725028791	0.57795806 NA	NA	-0.202217176	1.877646165	0.91423692 NA
mmu.mr.328.5p	0.559299555	-2.92205652	3.790302522	-0.770989667	0.44072533	0.99979593	0.236653956	2.700179742	0.34752254 NA	NA	2.372156287	2.716853111	0.38259432 NA
mmu.mr.223.5p	3.784634823	-1.162843435	1.509858213	-0.770167309	0.44120065	0.99979593	-0.572881164	1.146352191	0.6174404	0.93244203	1.775194194	0.970362226	0.067375513 NA
mmu.mr.143.5p	23.14527694	0.668154414	-0.766732918	0.434203403	0.99979593	-0.08008699	0.466917767	0.85049378	0.97526934	0.11133984	0.467511717	0.81176637 NA	
mmu.mr.7690.5p	0.460236992	-3.327928101	4.352023174	-0.76468529	0.44445897	0.99979593	0.492504639	3.131065899	0.87501145 NA	NA	2.054879826	3.022704881	0.49660155 NA
mmu.mr.190.190.3p	8.460844149	-0.674874795	0.862779038	-0.764479063	0.44458179	0.99979593	0.530034488	0.629871795	0.40007022	0.90428162	0.572929799	0.629849102	0.36018638 NA
mmu.mr.3070.5p	0.545084454	2.83249818	3.719113112	-0.76162859	0.44529723	0.99979593	0.133175149	2.638983019	0.95071985 NA	NA	0.992504711	2.551623978	0.69727361 NA
mmu.mr.1291.3p	3.86106345	-0.902537826	1.164158355	-0.775270669	0.43817974	0.99979593	0.70607128	0.830074303	0.3949484	0.90428162	0.644287547	0.837530984	0.44173282 NA
mmu.mr.7029.5p	0.852874202	-0.272565401	2.683716386	-0.772274377	0.43995194	0.99979593							

mmu.mr.6360	0.264592762	-3.685198776	6.201321197	-0.594260265	0.55233805	0.99979593	2.241003841	4.364747349	0.58078146	NA	1.014810351	4.402525739	0.74099046
mmu.mr.186.3p	28.32994132	-0.34292802	0.57827608	-0.593019548	0.55316807	0.99979593	-0.06934194	4.00325141	0.86248309	0.97526934	3.141619347	4.04304299	0.72615939
mmu.mr.7966.3p	0.284063945	-3.65366543	6.20055693	-0.58924168	0.55596614	0.99979593	1.46076994	4.403473824	0.74009227	NA	2.374191497	4.365495914	0.586599628
mmu.mr.8094	4.64051448	0.913303769	1.551004398	0.588846668	0.55956414	0.99979593	-1.65322337	1.15467244	0.15221014	0.82120506	0.280129319	1.007613773	0.78100269
mmu.mr.689.3p	7.726108499	-0.503141865	0.856551751	-0.58740393	0.55695246	0.99979593	0.506674086	0.624415712	0.4171132	0.90681321	0.744091873	0.614265204	0.22576022
mmu.mr.721.5p	1.695247148	-1.46960114	2.118901142	-0.58961142	0.55432289	0.99979593	1.914566363	1.424375249	0.1739523	0.8280678	1.107380495	1.21709808	0.826682
mmu.mr.669.3p	1.568046256	0.162719455	2.326022487	-0.58855246	0.55797078	0.99979593	1.196959034	1.386526544	0.38798801	0.90325715	-1.223744208	1.668313397	0.46324095
mmu.mr.878.3p	0.601522893	1.142731147	3.65923147	0.58557142	0.55816357	0.99979593	-1.95134278	2.621759055	0.45605874	NA	-0.050266585	2.54820338	0.98426201
mmu.mr.6970.3p	3.208888861	-0.829750666	1.1471697818	-0.585279972	0.55835948	0.99979593	0.70234311	1.021952	0.94286469	0.99186534	0.791179206	0.971022523	0.41519267
mmu.mr.421.5p	13.13806867	0.668225336	-0.581839787	0.5606746	0.55700676	0.99979593	0.179607952	0.459034224	0.69559505	0.96225653	-0.04803187	0.470035097	0.91860536
mmu.mr.7023.3p	0.622657361	-1.86290492	3.220724293	-0.578407293	0.56289917	0.99979593	1.446373778	2.241878533	0.54985547	NA	2.982750584	2.277377203	0.19028699
mmu.mr.32.3p	11.73452677	-0.434127035	0.752529068	-0.576893786	0.56401121	0.99979593	0.715866897	0.525136126	0.15221361	0.82120506	0.178804021	0.55035966	0.74255677
mmu.mr.7022.3p	2.95633883	0.862052778	1.495264101	0.576510382	0.56420725	0.99979593	-0.181764649	0.981819591	0.85312636	0.97526934	-1.145772564	1.090330952	0.22532821
mmu.mr.669.5p	3.572712953	-0.801406292	1.391332599	-0.570637355	0.56457209	0.99979593	0.49178833	0.933445585	0.59829587	0.92098483	-0.17309065	0.984938405	0.8605011
mmu.mr.669.3p	1.190579002	2.31567544	1.00579002	0.57536806	0.56025203	0.99979593	-1.03258021	1.805800111	0.5574007	0.92194548	0.58280386	0.58937620	0.6091224
mmu.mr.701.5p	1.574193988	-1.229432933	2.13846056	-0.574914934	0.56538483	0.99979593	-0.08078258	1.457696338	0.54114063	0.91676819	0.404740459	1.94073706	0.72947184
mmu.mr.7085.5p	2.744961724	1.385582376	1.385582376	-0.57266717	0.56689698	0.99979593	0.102288544	0.929635439	0.91238494	0.991115	-0.02548782	1.300591461	0.97848474
mmu.mr.3083	2.773378124	0.892688459	1.568986249	-0.572608296	0.56690904	0.99979593	-0.594786215	1.070220664	0.57834769	0.9240701	-0.787119653	1.09450288	0.47204409
mmu.mr.1899.3p	10.1875004	0.821382242	0.57233943	0.56729025	0.99979593	0.99979593	-0.19123354	0.573748239	0.73890356	0.96981092	-0.29526443	0.581157071	0.61140914
mmu.mr.452.3p	0.3605374	-3.52998189	6.16889217	-0.57222925	0.56717096	0.99979593	0.46795233	4.047292116	0.91544205	NA	3.243372029	4.316486065	0.45241989
mmu.mr.302.3p	0.065252081	-0.238113178	3.560474819	-0.571865631	0.56741301	0.99979593	0.726995593	2.372468186	0.7593061	NA	-0.908690524	2.525022976	0.71859222
mmu.mr.344.3p	3.305137722	-3.305137722	3.305137722	-0.571545044	0.56732139	0.99979593	0.467974531	1.413193713	0.90982060	NA	3.018400351	4.047128194	0.54576829
mmu.mr.5127	0.25529749	-3.192419566	6.162888823	-0.571037901	0.56779395	0.99979593	2.19553831	3.444041767	0.61261933	NA	1.50069785	4.371655074	0.71337076
mmu.mr.689.5p	0.430798911	-0.430798911	5.443317858	-0.568591316	0.56963352	0.99979593	0.182884932	3.813202709	0.472596824	NA	1.950982584	3.884532384	0.69933034
mmu.mr.3093.3p	0.578349989	-0.466103564	0.820561394	-0.56803002	0.57001458	0.99979593	0.69766021	0.569247075	0.22035479	0.84914814	0.113295243	0.5974743	0.84960407
mmu.mr.5626.5p	3.27400117	0.328843656	5.759672249	-0.567539873	0.57034745	0.99979593	0.123295195	0.404395636	0.63430899	NA	-1.881466261	0.404395636	0.6417968
mmu.mr.126.5p	3.17525500	0.242773994	0.436264966	0.566797691	0.57085164	0.99979593	-0.114710454	0.308447468	0.70970111	0.96263565	-0.023836421	0.307085785	0.93812924
mmu.mr.196.3p	8.39311476	0.962628186	0.925241616	0.566285856	0.57119899	0.99979593	0.063386585	0.63964664	0.32513528	0.88470203	0.586383427	0.63833128	0.37665152
mmu.mr.6368	0.348231497	-2.69582531	4.766230827	-0.565585836	0.57169392	0.99979593	0.45275254	3.397872758	0.8939983	NA	1.462379566	3.342414148	0.66173286
mmu.mr.694.5p	0.348231497	-2.69582531	4.766230827	-0.565585836	0.57169392	0.99979593	0.45275254	3.397872758	0.8939983	NA	1.462379566	3.342414148	0.66173286
mmu.mr.669.3p	0.348917632	-2.683532341	4.745338211	-0.565522039	0.57171874	0.99979593	1.3682541	3.33252559	0.86873882	NA	0.534918121	3.870230062	0.78419348
mmu.mr.7011.3p	1.074117983	-1.700217538	3.012944157	-0.564304365	0.57254201	0.99979593	1.878561142	2.263289262	0.40653103	0.90428162	-2.314032471	2.225166247	0.29836922
mmu.mr.7235.5p	0.301023925	0.301023925	0.563718349	0.563718349	0.57294853	0.99979593	-0.141355082	0.367750652	0.70068866	0.96256365	-0.370828367	0.37741021	0.92837025
mmu.mr.295.3p	0.94848335	1.621123625	2.879211655	0.56304427	0.57340474	0.99979593	1.120658929	2.147875831	0.60184279	0.9311373	0.50105899	2.198011277	0.81967831
mmu.mr.507.5p	0.58886887	1.86260049	3.315948103	0.56170971	0.57431382	0.99979593	-1.448003751	2.287570902	0.57127269	NA	-1.370757619	2.27985838	0.54716576
mmu.mr.1964.5p	0.447463208	-0.19369217	3.907009922	-0.561466946	0.57447926	0.99979593	1.250606618	2.758765501	0.65031754	NA	1.1244044	2.766600591	0.68433338
mmu.mr.3970	3.10858392	-0.758911686	1.358418896	-0.55852568	0.57484855	0.99979593	-0.254238154	0.91226744	0.78048413	0.97526934	-0.104136239	0.89905178	0.54552526
mmu.mr.7087.3p	0.432012829	-2.192032729	3.93906905	-0.558462637	0.57709696	0.99979593	1.250249145	2.781434537	0.85307248	NA	1.123128258	2.789271202	0.68788228
mmu.mr.708.3p	0.348917632	-2.683532341	4.745338211	-0.565522039	0.57171874	0.99979593	1.3682541	3.33252559	0.86873882	NA	0.534918121	3.870230062	0.78419348
mmu.mr.703.5p	0.73906187	0.624704775	2.943380042	-0.556309149	0.57799053	0.99979593	-0.52994823	2.01879411	0.92330304	NA	-1.365570328	2.90753838	0.51426979
mmu.mr.6941.3p	0.395989833	-2.59294827	4.608331584	-0.5563266	0.5786467	0.99979593	2.206406794	3.23926703	0.94577965	NA	1.496023047	3.273825565	0.64509851
mmu.mr.4964.5p	1.39043149	0.766713503	1.382442133	0.554608206	0.5791628	0.99979593	-0.391815343	0.882967599	0.65722458	0.95790948	-1.364295593	0.993312944	0.169690313
mmu.mr.699.5p	1.353361384	-0.762322428	2.215802051	-0.554035162	0.57958478	0.99979593	1.361074728	1.6927357	0.42136698	0.90889662	1.70177978	1.661472768	0.30579137
mmu.mr.192.3p	2.979173017	-0.866501821	1.577199753	-0.549392567	0.58273607	0.99979593	0.328574167	1.142404861	0.77351991	0.97526934	0.913933015	1.02494165	0.40712181
mmu.mr.214.3p	0.33395632	-0.603719616	1.105646054	-0.546033348	0.58503202	0.99979593	0.384710724	0.785735733	0.62443091	0.93906111	0.83906618	0.78179229	0.2831546
mmu.mr.205.3p	3.222737864	-2.845710219	4.852498079	-0.543226538	0.58659772	0.99979593	1.398619941	3.4078928	0.88778094	NA	0.495642649	3.45437878	0.8890919
mmu.mr.3091.5p	1.574391158	-0.449795161	1.711961289	-0.544967325	0.58726934	0.99979593	0.583695234	1.41073296	0.74908679	0.97526934	1.19034759	1.837925638	0.59126922
mmu.mr.7016.3p	1.428497466	1.245131918	2.290021016	0.543510486	0.58677837	0.99979593	-2.659213369	1.691169445	0.12871384	0.78370732	-0.161753305	1.370603846	0.90065491
mmu.mr.698.3p	1.624812135	0.83319592	0.53493437	0.54391467	0.58679147	0.99979593	-1.578751332	1.17733302	0.17993637	0.82380676	0.38235078	0.939560203	0.71772114
mmu.mr.208.5p	49.34731587	-0.210265721	0.390546907	-0.542963238	0.58715511	0.99979593	0.344417229	0.27359147	0.20807625	0.84918414	0.090414098	0.27931823	0.74616846
mmu.mr.505.5p	24.66441872	-0.209627269	0.497564324	-0.54258886	0.58741304	0.99979593	0.079673855	0.360332448	0.82050517	0.97526934	0.547634092	0.34764173	0.11519115
mmu.mr.6932.5p	2.3883608	-0.875087927	1.617067101	-0.541157461	0.5883906	0.99979593	0.20266675	1.131508189	0.85327225	0.97526934	0.542222208	1.116529324	0.70251489
mmu.mr.3081.3p	13.00689725	-0.390896858	0.738442365	-0.53908995	0.58824979	0.99979593	-0.224864828	0.53046957	0.67188847	0.96169933	0.410092206	1.050776515	0.36704718
mmu.mr.217.5p	0.104528407	-0.39252768	0.730669983	-0.537761142	0.59074196	0.99979593	0.890311391	0.518814308	0.08615286	0.6514436	0.388925303	3.85812658	0.47448652
mmu.mr.5619.5p	0.286637036	-3.320062388	6.212712756	-0.534401389	0.59330635	0.99979593	1.460798709	4.403473046	0.78029721	NA	2.040590387	4.38271021	0.94150712
mmu.mr.7216.3p	1.361254263	-1.444314273	2.735187848	-0.529051281	0.59374674	0.99979593	1.420129968	2.197458872	0.51811272	0.91382899	0.096621593	1.945690314	0.35105887
mmu.mr.500.5p	2.620121528	0.854084966	1.621835975	0.526616116	0.59846202	0.99979593	-1.107103395	1.081301069	0.36839757	0.89738466	-1.19758034	1.10	

mmu.mR.6960.3p	0.191778815	-2.780619227	6.227529191	-0.446504407	0.655239309	0.999795953	1.460816874	4.403472783	0.74008408 NA	1.501117228	4.403689991	0.73319607 NA	
mmu.mR.7654.3p	0.246959508	-2.780619227	6.227529191	-0.446504407	0.655239309	0.999795953	1.460816874	4.403472783	0.74008408 NA	1.501117228	4.403689991	0.73319607 NA	
mmu.mR.8120	0.50440105	-2.780619227	6.227529191	-0.446504407	0.655239309	0.999795953	1.460816874	4.403472783	0.74008408 NA	1.501117228	4.403689991	0.73319607 NA	
mmu.mR.7003.5p	0.198987369	-2.739216608	6.202767332	-0.441941202	0.65876999	0.999795953	0.959883855	2.671366003	0.82232117 NA	0.436635228	2.682610968	0.87070102 NA	
mmu.mR.713	0.19677131	-2.734478272	6.202357343	-0.441941202	0.65876999	0.999795953	2.14041293	4.364746625	0.90577709 NA	0.510100655	4.407292116	0.80785848 NA	
mmu.mR.3029.5p	0.213071217	-2.734049721	6.200933435	-0.44009381	0.65927868	0.999795953	0.624691415	4.24684478	0.72189131 NA	0.510100655	4.407292116	0.80785848 NA	
mmu.mR.5639	0.203947678	-2.734049721	6.200933435	-0.44009381	0.65927868	0.999795953	0.467957522	4.407292116	0.91543738 NA	2.447389579	4.362139867	0.54761713 NA	
mmu.mR.3091.5p	0.557081203	-2.734049721	6.200933435	-0.44009381	0.65927868	0.999795953	0.719199308	1.246118615	0.56383707	0.92194548	2.466024259	0.84694113 NA	
mmu.mR.7001.3p	0.195031643	-2.734049721	6.200933435	-0.44009381	0.65927868	0.999795953	-1.225384779	2.883160306	0.67082614 NA	2.175526876	2.914221705	0.35143012 NA	
mmu.mR.6357	0.155803813	-2.73285273	6.228701234	-0.438751616	0.66084152	0.999795953	1.460816874	4.403472783	0.74008408 NA	1.501118859	4.403689991	0.73319607 NA	
mmu.mR.8090	0.155803813	-2.73285273	6.228701234	-0.438751616	0.66084152	0.999795953	1.460816874	4.403472783	0.74008408 NA	1.501118859	4.403689991	0.73319607 NA	
mmu.mR.1304.5p	4.907585013	-0.487239815	0.112533972	-0.437825769	0.6614401	0.999795953	0.003039568	0.790433346	0.96935194	0.99186534	0.411535881	0.769027103	0.5929773 NA
mmu.mR.182.3p	0.220852976	-0.476792361	0.667791073	-0.437073953	0.662057172	0.999795953	0.006778222	0.474474115	0.988602	0.9959471 NA	0.082742362	0.473671002	0.96132908 NA
mmu.mR.409.5p	6.107816768	-0.278561956	0.637629186	-0.437284666	0.66517121	0.999795953	-0.534514057	0.450482938	0.23545296	0.84914814	-0.146885911	0.446885911	0.7244068 NA
mmu.mR.1194	14.4827088	-0.271431327	0.628056573	-0.432176557	0.6656131	0.999795953	-0.341173004	0.451800249	0.45016424	0.91382899	0.136466584	0.432641794	0.25743803 NA
mmu.mR.182.3p	0.129124076	-0.622808605	-0.431451914	0.66613981	0.999795953	1.460816874	4.40350346	4.40513031	0.74838182 NA	1.451628087	4.402555447	0.740988491	0.90431442 NA
mmu.mR.5621.5p	1.101400427	-1.087261151	2.522015472	-0.431332549	0.666226989	0.999795953	1.649804264	1.573185821	0.2940154	0.860622629	-0.97843607	1.8789139	0.60254403 NA
mmu.mR.7670.3p	0.586904004	-1.331661198	3.089991598	-0.430985707	0.6664984	0.999795953	1.968018915	2.152012816	0.3604534 NA	0.90168379	2.303250824	0.82805854 NA	
mmu.mR.3084	0.27995832	-0.194260014	4.030832744	-0.430932744	0.66685899	0.999795953	-1.143614044	0.320033636	0.003052335	0.02132761	-0.078158874	0.303444886	0.79673732 NA
mmu.mR.8118	1.625806423	-0.872500761	2.027225584	-0.430391585	0.66691084	0.999795953	1.968018915	2.152012816	0.3604534 NA	0.90168379	2.303250824	0.82805854 NA	
mmu.mR.182.3p	0.129124076	-0.622808605	-0.431451914	0.66613981	0.999795953	1.460816874	4.40350346	4.40513031	0.74838182 NA	1.451628087	4.402555447	0.740988491	0.90431442 NA
mmu.mR.7039.3p	0.18457026	-2.668689479	6.203269051	-0.428846328	0.66796229	0.999795953	0.467797854	4.407292116	0.91543749 NA	2.342079196	4.365459647	0.58653839 NA	
mmu.mR.7077.3p	0.18457026	-2.668689479	6.203269051	-0.428846328	0.66796229	0.999795953	0.467797854	4.407292116	0.91543749 NA	2.342079196	4.365459647	0.58653839 NA	
mmu.mR.3110.5p	0.438119529	-1.913318538	4.466729024	-0.428439633	0.66836965	0.999795953	-0.493695554	3.22492009	0.87832913 NA	0.539130639	3.222028334	0.68834141 NA	
mmu.mR.3473.5p	2.104368003	-1.745217088	1.745217088	-0.42666434	0.66962383	0.999795953	0.914358247	1.253197092	0.46562221	0.91382899	0.860034639	1.72769093	0.59023532 NA
mmu.mR.1948.3p	25.20309849	-0.25372173	0.595728657	-0.425910562	0.67013702	0.999795953	0.289304164	0.421871072	0.49283675	0.91382899	0.075981374	0.428802736	0.85935671 NA
mmu.mR.1306.3p	5.149729684	-0.50159957	1.175039355	-0.425653767	0.67036014	0.999795953	0.486394912	0.8032202	0.56390574	0.92194548	0.608203996	0.428074557	0.4156848 NA
mmu.mR.298.3p	2.873008888	-0.588776194	1.385837682	-0.424852204	0.67094442	0.999795953	-0.164510295	0.947018011	0.86209023	0.97526934	-0.54196929	0.991863166	0.5805762 NA
mmu.mR.347.3p	0.186942877	-0.283271316	0.671216982	-0.422026557	0.67300563	0.999795953	0.286736033	0.473269869	0.54436775	0.91828592	0.477255049	0.65981885 NA	
mmu.mR.3105.5p	0.477869614	-1.892735079	4.486293155	-0.421892267	0.67310322	0.999795953	0.57839099	3.119135677	0.85288824 NA	0.991963963	3.174183446	0.91726521 NA	
mmu.mR.6696.5p	3.172247753	-0.557806782	1.322957634	-0.421636164	0.67329061	0.999795953	0.65127032	0.955213782	0.49536174	0.91382899	0.64014836	0.995934	0.50461287 NA
mmu.mR.201.3p	1.451531681	-0.395012254	0.420409474	-0.418409474	0.67418639	0.999795953	-0.059619574	1.584907517	0.569993	0.99186534	-1.017362684	1.722199097	0.55469823 NA
mmu.mR.1897.5p	1.806882072	-0.896629296	2.13997443	-0.418995357	0.675219523	0.999795953	3.29350404	1.582011888	0.07335972	0.436854	1.240980641	1.813134389	0.49369773 NA
mmu.mR.1a.3p	18.5755571	-0.256201428	0.615364428	-0.416340701	0.67716071	0.999795953	-0.337694835	0.418453532	0.41966258	0.90721176	-0.060274261	1.012052461	0.81262779 NA
mmu.mR.4660.3p	4.0236302	-0.540042363	1.297205989	-0.416312167	0.67711819	0.999795953	1.17121685	0.871444319	0.04956669	0.4726776	-0.111431038	1.021079582	0.91332256 NA
mmu.mR.6970.5p	2.448159685	-0.625242493	1.50200843	-0.41628311	0.677221	0.999795953	0.172278958	1.101486524	0.89867831	0.98481176	0.848103681	1.039454845	0.41455047 NA
mmu.mR.1930.3p	0.524709413	-1.545337341	3.718412884	-0.415599627	0.67700599	0.999795953	-1.070543964	2.615943519	0.6823534 NA	0.310121442	2.500392946	0.90143133 NA	
mmu.mR.3105.5p	0.4965396	-1.892735079	4.486293155	-0.415297261	0.67700599	0.999795953	0.473269869	3.119135677	0.85288824 NA	0.991963963	3.174183446	0.91726521 NA	
mmu.mR.6904.16p	0.360044361	-2.331355224	5.64798255	-0.412776634	0.67970727	0.999795953	1.974702659	3.985153359	0.6023357 NA	1.499751792	0.230206568	0.70877109 NA	
mmu.mR.7662.3p	0.660897887	-1.450768066	3.514824439	-0.412755466	0.67978577	0.999795953	1.12192296	2.31579569	0.62805573 NA	-1.933323304	2.509463564	0.44105494 NA	
mmu.mR.6922.5p	1.47614155	-0.810915308	1.965464908	-0.412583559	0.67917155	0.999795953	0.181470551	1.264375351	0.8858749	0.9833498	-1.13233005	1.476096431	0.44035161 NA
mmu.mR.6374	0.543847368	-0.451578805	3.412442304	-0.411788062	0.68005005	0.999795953	0.30759144	2.375749037	0.8970121 NA	0.33006997	2.369925323	0.8892334 NA	
mmu.mR.190a.3p	20.4915009	-0.249553029	0.606763094	-0.411285774	0.680683	0.999795953	0.514436365	0.416238428	0.31949514	0.88470203	-0.204510166	0.43608669	0.6390331 NA
mmu.mR.450.3p	1.67931028	-0.99105877	0.409572268	-0.409572268	0.68319974	0.999795953	-0.292377443	1.634662614	0.8904682	0.97526934	-1.144634606	1.744221207	0.51160738 NA
mmu.mR.7048.5p	0.160312367	-2.52854356	6.210902655	-0.40705688	0.68395974	0.999795953	-1.199455936	3.376309698	0.51527525 NA	0.510106803	4.407292116	0.80785848 NA	
mmu.mR.3501.3p	0.46934078	-1.652709353	2.421090255	-0.40705688	0.68395974	0.999795953	2.199455936	3.376309698	0.51527525 NA	0.510106803	4.407292116	0.80785848 NA	
mmu.mR.6418.3p	29.63712919	-0.215052595	0.530114018	-0.405672341	0.68498337	0.999795953	-0.404064651	0.3796944	0.28635511	0.84972037	0.354028106	0.361542636	0.32747351 NA
mmu.mR.7653.5p	0.821940582	-1.340105892	-0.405604405	-0.405604405	0.68503566	0.999795953	1.098047142	2.306600867	0.63404191 NA	0.920131529	0.375017809	0.8342089 NA	
mmu.mR.5611.7p	4.561397989	-0.481627088	1.193059519	-0.403690747	0.68644015	0.999795953	1.155705497	0.783522961	0.14020941	0.81511573	-0.599289924	0.945559824	0.52621537 NA
mmu.mR.6244	0.157890523	-2.503781871	6.208669566	-0.403271878	0.68674823	0.999795953	0.469822322	4.407292116	0.91543667 NA	2.217117256	4.373131043	0.61216448 NA	
mmu.mR.6546.5p	0.157890523	-2.503781871	6.208669566	-0.403271878	0.68674823	0.999795953	0.469822322	4.407292116	0.91543667 NA	2.217117256	4.373131043	0.61216448 NA	
mmu.mR.1192	0.298433353	-2.305781871	5.928443778	-0.398174969	0.69050122	0.999795953	0.86938195	4.203079377	0.90561451 NA	1.018713466	4.11068622	0.79584971 NA	
mmu.mR.7093.5p	0.406887088	-1.579522818	3.879268873	-0.397317103	0.69124085	0.999795953	0.469849657	2.837425189	0.86293538 NA	1.271023224	2.78696106	0.64830118 NA	
mmu.mR.7014.5p	0.546624711	-1.525629654	3.84669641	-0.395052628	0.69172114	0.999795953	-0.993486336	2.68622494	0.71151776 NA	0.959229279	2.686754721	0.7291548 NA	
mmu.mR.3473.5p	-0.580536306	-1.484353752	1.484353752	-0.395169919	0.69197968	0.999795953	0.980450302	1.2435571	0.77552744	-0.188722671	1.983719375	0.80301694 NA	
mmu.mR.1224.3p	23.64540888	-0.2210392	0.560545215	-0.394328235	0.69333872	0.999795953	-0.319121806	0.384771463	0.40688934	0.90428162	-0.256026624	0.384206274	0.50517808 NA
mmu.mR.4676.5p	13.89887916	-0.279144491	0.708945292	-0.393746176	0.69376846	0.999795953	0.72463135	0.50165076	0.14859915	0.82120506	0.176802265	0.52856722	0.82514125 NA
mmu.mR.7652.3p	0.402610689	-1.03692952	4.630703										

mmu.mR.3076.3p	21.39736571	-0.171072958	0.533392844	-0.32073493	0.74841227	0.99979593	0.25690444	0.371439269	0.49053058	0.91382889	0.01414029	0.380625792	0.9703653
mmu.mR.702.3p	29.14919594	0.1588846	0.49500519	0.20309611	0.74866807	0.99979593	-0.16821269	0.34665784	0.62606408	0.93098111	-0.10146729	0.34042268	0.6403377
mmu.mR.705.3p	0.495994804	-1.65732898	5.193080413	-0.31941393	0.7496193	0.99979593	-1.392018131	3.702016729	0.70690488	NA	0.10262629	3.593863661	0.70292323
mmu.mR.691.2p	0.64468587	-1.05356121	3.317736059	-0.317551243	0.75026356	0.99979593	0.08730105	2.25023048	0.96905249	NA	-0.313106462	2.293523931	0.89141209
mmu.mR.596.5p	0.532470681	-1.816612305	5.175718906	-0.315082181	0.75269926	0.99979593	1.458581696	4.07676348	0.72030653	NA	1.500051506	0.674996221	0.71252526
mmu.mR.638.2p	0.81630422	-1.87344522	4.279734422	-0.315082181	0.75269926	0.99979593	1.458581696	4.07676348	0.72030653	NA	2.047182453	0.81630422	0.71252526
mmu.mR.669.5p	10.25146314	0.342890247	1.040344477	-0.312291029	0.75481936	0.99979593	0.80987352	0.73422921	0.27001611	0.84972037	0.228918207	0.75425752	0.7068107
mmu.mR.7655.5p	0.57893865	1.050569154	3.365319804	0.312175132	0.75407843	0.99979593	-0.467481973	2.441550689	0.84815794	NA	0.263119571	2.391869282	0.92815994
mmu.mR.7035.5p	7.662026665	0.108321616	0.983241714	0.311076263	0.75574265	0.99979593	-0.47012403	0.68177765	0.49074733	0.91382899	-0.390651009	0.67996658	0.96129618
mmu.mR.7240.5p	60.89124068	0.548631853	0.477131061	0.310861868	0.75590563	0.99979593	0.201843957	0.332657331	0.54400861	0.91828592	-0.311565382	0.34059801	0.36030757
mmu.mR.6962.3p	1.426471655	0.753727162	2.435954629	0.30941572	0.75700391	0.99979593	-0.235990098	1.73342406	0.8900631	0.98481176	-0.137695277	1.726031275	0.93641569
mmu.mR.7036b.5p	0.97890125	0.759290092	2.581517059	-0.3081483	0.75796649	0.99979593	-0.746299953	1.834178736	0.68409257	0.96250365	0.639421995	1.647188793	0.96787553
mmu.mR.7082.3p	2.375986222	0.505247763	1.655369683	0.30521799	0.76020014	0.99979593	-0.746699076	1.277586962	0.557348	0.92194548	0.87770831	1.089510809	0.42047437
mmu.mR.6916.5p	0.492207096	-1.817970306	3.809625127	-0.30489811	0.76045197	0.99979593	-0.149123971	2.589115544	0.95422897	NA	-0.973602296	2.658914327	0.71418825
mmu.mR.297.5p	0.905007252	0.768375504	2.521768361	0.30469709	0.76059686	0.99979593	-1.298484523	1.634706394	0.47027655	NA	-1.932589354	1.914230795	0.71256665
mmu.mR.7064.3p	0.293352977	-1.817717627	5.969414284	-0.304055109	0.76073430	0.99979593	0.498464758	4.2209474	0.90589389	NA	0.538801358	4.221173049	0.89438184
mmu.mR.539.3p	35.29098455	0.144436142	0.474860722	0.304165274	0.76100198	0.99979593	-0.345895245	0.33766648	0.30571109	0.86667611	0.08148541	0.32860747	0.80415223
mmu.mR.7004.5p	1.843279838	0.560174108	1.84298092	0.303950036	0.76116596	0.99979593	0.16055615	1.151118983	0.95830304	0.92819969	1.148686169	0.37966143	0.8191028
mmu.mR.721.3p	2.536103837	0.253623455	1.529974672	-0.30322552	0.76171915	0.99979593	-0.448802111	1.069584198	0.67477456	0.96169393	-0.22647276	1.014408816	0.86477156
mmu.mR.1932	4.818596597	1.562371374	5.16622815	0.30269102	0.76220156	0.99979593	0.468024218	3.72247602	0.8999356	NA	0.147017222	3.722002869	0.69530133
mmu.mR.1350	17.94304012	-0.235110158	0.772217775	-0.30244243	0.76252888	0.99979593	-0.002602285	0.572369953	0.99712518	0.99751925	1.225507166	0.538176265	0.0277728
mmu.mR.6909.5p	0.285399179	-1.817970306	3.809625127	-0.301933699	0.76240737	0.99979593	0.49859444	4.257491788	0.90677292	NA	0.538232679	2.57175698	0.89827617
mmu.mR.7061.5p	0.277299888	-1.818032715	6.044705266	-0.300764403	0.76354909	0.99979593	1.460410976	4.274189228	0.73256908	NA	1.500736517	4.27441235	0.72551901
mmu.mR.7013.1p	0.360540089	-1.413127245	4.740398616	-0.298114749	0.76561559	0.99979593	0.049256721	3.366732785	0.88238511	NA	1.100277871	3.337184521	0.74162497
mmu.mR.7079.3p	0.200025038	1.835318347	6.216914162	0.295213718	0.76738062	0.99979593	-0.493676227	4.07292116	0.9108127	NA	-0.451550943	4.07292116	0.9183952
mmu.mR.7115.5p	0.284712814	-1.76999132	6.002457841	-0.29487906	0.76808627	0.99979593	-0.493761531	4.267669226	0.90789175	NA	0.483309076	4.221054375	0.7522828
mmu.mR.676.3p	0.259507697	-1.818680825	6.17338974	-0.294600034	0.76829944	0.99979593	0.498595959	3.65188171	0.90899654	NA	0.5392676	3.65407097	0.90168881
mmu.mR.830	0.259507697	-1.818680825	6.17338974	-0.294600034	0.76829944	0.99979593	0.498595959	3.65188171	0.90899654	NA	0.5392676	3.65407097	0.90168881
mmu.mR.7062.5p	0.259507697	-1.818680825	6.17338974	-0.294600034	0.76829944	0.99979593	0.498595959	3.65188171	0.90899654	NA	0.5392676	3.65407097	0.90168881
mmu.mR.466b.3p	22.7025984	0.10600826	0.613739752	0.294262878	0.76855704	0.99979593	0.517604725	0.431952608	0.23080393	0.84914814	0.031150063	0.447301855	0.94480227
mmu.mR.155.3p	0.27678756	-1.770285945	6.056553194	-0.292354313	0.77001574	0.99979593	0.403724699	4.303719615	0.90870198	NA	1.483369903	4.259512315	0.72754759
mmu.mR.7083.3p	0.27678756	-1.770285945	6.056553194	-0.292354313	0.77001574	0.99979593	0.403724699	4.303719615	0.90870198	NA	1.483369903	4.259512315	0.72754759
mmu.mR.709	6.542774891	0.312479814	1.073611144	0.291054846	0.77100937	0.99979593	-0.245928097	0.707232133	0.7273717	0.96622328	-0.928340699	0.758261232	0.7219164
mmu.mR.5118	0.577862972	-0.100398163	3.446809636	-0.290528977	0.77141159	0.99979593	0.655679036	2.356049934	0.78078522	NA	-0.368615571	2.446061456	0.88021427
mmu.mR.302a.3p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.196a.5p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.133b.5p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.471.5p	0.129426249	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.302a.5p	0.129426249	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.695	0.129426249	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.69j	0.129426249	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.1894.3p	0.129426249	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.3967	0.129426249	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.5104	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.6347	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.6355	0.129426249	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.637a.5p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.6410	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.695e.5p	0.129426249	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.6965.5p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.7011.5p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.7059.3p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.7076.3p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.7086.3p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.7216.5p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.7223.5p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.7670.5p	0.099493685	-1.789653419	6.230076368	-0.28726027	0.77391304	0.99979593	1.460849647	4.40347232	0.74007844	NA	0.510128324	4.07292116	0.90785351
mmu.mR.3110.3p	0.147465824	-1.787828634	6.230229881	-0.2869603	0.77414272	0.99979593	0.468003094	4.07292116	0.91543291	NA	1.50115011	4.036895	

mmu.mR.719	0.41026253	3.57977631	0.27090571	0.78646351	0.99979593	-0.44022425	2.5274558	0.86172087	NA	-0.39739038	2.52760238	0.87705554	NA
mmu.mR.15b.3p	44.32083798	0.12264366	0.45224734	0.70790649	0.78655205	0.99979593	-0.13389605	0.32144216	0.6770091	0.96171543	0.12904479	0.31715091	0.68049048
mmu.mR.692b.5p	8.80529402	0.69209044	2.57645784	0.26893487	0.78779793	0.99979593	-0.47807798	2.00323858	0.83488162	NA	1.80074952	0.84803809	NA
mmu.mR.46b1	0.44817475	0.946772621	3.52107751	0.26888724	0.78802415	0.99979593	-0.38275689	2.48952361	0.8778092	NA	-0.37027258	2.49169804	0.8817241
mmu.mR.701.5p	0.94620324	0.963315574	2.58762849	-0.26791405	0.7876549	0.99979593	0.01317582	1.86831631	0.99437618	0.99713165	0.74058119	1.15323652	0.6706808
mmu.mR.768b.1p	-0.57429378	1.85802298	2.17022178	-0.26838581	0.78833051	0.99979593	-0.33740478	1.53037497	0.87833616	0.10956505	-0.04017828	0.34569321	0.90747382
mmu.mR.713.3p	0.58039191	0.81950906	3.070633715	0.26885983	0.78955605	0.99979593	-1.04194544	2.16501309	0.60332804	NA	-0.21688153	2.09118636	0.9182902
mmu.mR.46b.3p	0.20318664	1.648117942	1.67684851	0.26882181	0.78906036	0.99979593	-1.977012245	4.327828114	0.64780478	NA	-1.93488661	4.327828114	0.6484701
mmu.mR.46b.6p	2.95746847	-0.36805451	1.381283452	-0.26678368	0.78963586	0.99979593	1.117019546	1.0035928	0.26587408	0.84920827	0.651357139	1.048015476	0.53426095
mmu.mR.615.3p	1.041168344	-0.734005411	2.755203953	-0.26640692	0.78929583	0.99979593	-0.314890208	2.042240906	0.87749233	0.98252405	1.285748875	1.085653389	0.48859489
mmu.mR.703a.3p	2.013472244	0.45803444	1.71258664	0.266151927	0.79012221	0.99979593	-0.22657725	1.152718506	0.84412762	0.97526934	-0.860773662	1.215376767	0.91149031
mmu.mR.6931.5p	0.424066522	1.06850374	0.026835415	0.26533244	0.79073735	0.99979593	-0.503477492	2.842390764	0.85940482	NA	-0.460511716	2.842564791	0.87129163
mmu.mR.6931.3p	2.798052637	-0.46024628	1.536387688	-0.264727282	0.79150170	0.99979593	1.097026474	1.064486403	0.30291519	0.86548987	0.108789836	1.15323698	0.92445245
mmu.mR.450a.5p	27.8677539	0.191062619	0.56533029	0.180118625	0.79202205	0.99979593	-0.0994066	0.348141255	0.77366006	0.97526934	-0.04017828	0.34569321	0.90747382
mmu.mR.696.5p	0.57746783	0.87055651	3.33398469	0.261172669	0.79390406	0.99979593	-0.55459865	2.346150381	0.68382747	NA	-0.29347617	2.29602347	0.98929367
mmu.mR.3474	0.530015859	0.874441201	3.42089057	-0.25080494	0.79866003	0.99979593	0.48567115	2.492182737	0.84548735	NA	1.418742334	2.41901623	0.55742523
mmu.mR.5624.5p	0.685451867	0.625373512	3.231355912	-0.25486329	0.79862403	0.99979593	1.329027269	2.201259294	0.54600474	NA	-0.318289026	2.366325406	0.89300509
mmu.mR.491.5p	49.18066931	0.092371548	0.362670264	0.25468434	0.79896503	0.99979593	0.06299735	0.257224139	0.80651717	0.97526934	0.11283679	0.257045792	0.66067119
mmu.mR.691	0.217807329	0.572340233	1.254420031	0.79917108	0.99979593	0.99979593	0.468077992	4.407292116	0.91541943	NA	0.510203276	4.407292116	0.90784003
mmu.mR.7025.7p	0.730780797	0.811909196	3.195926165	0.25440562	0.79946076	0.99979593	0.484139016	2.391485925	0.83955163	NA	1.156696901	2.34093772	0.62123186
mmu.mR.5627.5p	0.335691225	1.468950454	5.793792581	0.253530901	0.79956759	0.99979593	-0.49309446	4.133878099	0.94039749	NA	0.944716816	4.131693987	0.90489193
mmu.mR.5134.3p	0.191062619	0.56533029	6.180118625	0.180118625	0.79922025	0.99979593	-0.88524449	4.332494611	0.68178584	NA	1.853119665	4.332494611	0.68859701
mmu.mR.10b.3p	0.24852354	-1.56648319	6.210902399	-0.252215124	0.80087479	0.99979593	2.199472106	4.376300605	0.61525462	NA	0.510125248	4.407292116	0.90785402
mmu.mR.3475.5p	0.24852354	-1.56648319	6.210902399	-0.252215124	0.80087479	0.99979593	2.199472106	4.376300605	0.61525462	NA	0.510125248	4.407292116	0.90785402
mmu.mR.450a.2.3p	0.409118836	1.116098938	4.436361135	0.251570996	0.80137268	0.99979593	-0.468072997	3.208670737	0.88401806	NA	1.495656329	3.20960746	0.6460531
mmu.mR.876.5p	1.692827742	0.503213646	2.009561113	0.250409712	0.80227051	0.99979593	0.9007187318	1.364783106	0.50952166	0.91382899	-0.79500004	1.356198662	0.57274252
mmu.mR.3112.3p	0.229532121	-1.542065441	6.208669118	-0.248372946	0.80384586	0.99979593	-0.493758414	4.407292116	0.91079792	NA	1.255372802	4.373130279	0.74062525
mmu.mR.6973a.5p	0.221578063	-1.542065441	6.208669118	-0.248372946	0.80384586	0.99979593	-0.493758414	4.407292116	0.91079792	NA	1.255372802	4.373130279	0.74062525
mmu.mR.7018.3p	0.237551806	-1.542065441	6.208669118	-0.248372946	0.80384586	0.99979593	0.468000914	4.407292116	0.9154333	NA	2.217134034	4.373130681	0.61216175
mmu.mR.7679.3p	0.237551806	-1.542065441	6.208669118	-0.248372946	0.80384586	0.99979593	0.468000914	4.407292116	0.9154333	NA	2.217134034	4.373130681	0.61216175
mmu.mR.7032.3p	0.520391001	-0.26538994	1.078568989	-0.24685829	0.80433894	0.99979593	0.633697493	0.75396298	0.93282725	0.99186534	1.093838791	1.745023095	0.90022066
mmu.mR.483.3p	49.91247996	0.338419745	1.377914079	0.246502937	0.80598962	0.99979593	0.032221046	0.97603968	0.97284799	0.99186534	0.31054145	4.97466989	0.75002009
mmu.mR.6964.4p	1.170601427	0.750570137	3.244308046	0.806992262	0.99979593	0.99979593	-0.208747104	2.065357534	0.91949435	0.99186534	-1.355694091	2.198282848	0.93736868
mmu.mR.7655.3p	0.97389441	0.677650266	2.775751498	0.244204233	0.80707265	0.99979593	-1.363792394	1.909547669	0.47510564	0.91382899	-0.758363318	1.82632463	0.67796641
mmu.mR.344	0.50268102	0.841685609	3.448995197	-0.244034794	0.80720387	0.99979593	1.344551595	2.438677183	0.85139744	NA	0.856807938	2.50174184	0.83191996
mmu.mR.1191b.5p	21.53841496	0.140844735	0.808229119	0.242713507	0.80622734	0.99979593	-0.263157106	4.03110249	0.51387364	0.91382899	-0.263097402	4.040466296	0.51538253
mmu.mR.7047.5p	1.514472802	0.493848262	2.044511678	0.241548271	0.80913021	0.99979593	-0.449098904	4.132156429	0.7321551	0.96734583	-1.03063959	4.130783485	0.47295736
mmu.mR.698c.3p	4.592629499	0.28579713	1.187812457	0.24105062	0.80935908	0.99979593	-0.865929087	8.05041517	0.2832405	0.84972037	-0.860231772	7.09398405	0.30015906
mmu.mR.217.3p	0.17361259	1.172631841	1.230386569	-0.248895629	0.81083207	0.99979593	0.23141142	0.79449184	0.93467772	0.84918414	1.46824413	0.718622445	0.90020026
mmu.mR.193.5p	0.756901189	0.849747575	2.88772833	0.23701205	0.81255044	0.99979593	-0.16783958	1.900824057	0.9689966	NA	-1.41053273	2.05452431	0.49237553
mmu.mR.46b1.3p	3.452157072	0.362912569	1.535622547	0.236329279	0.81317717	0.99979593	0.071569354	1.041765496	0.94551037	0.99186534	-0.59017712	1.10487756	0.98564727
mmu.mR.3081.5p	1.042171824	-1.089489838	4.619162145	-0.235863806	0.81535891	0.99979593	-0.954412228	3.237990832	0.76818146	NA	-0.143098622	3.19309491	0.67614545
mmu.mR.669e.3p	1.560410328	-0.496825246	2.128192224	-0.233449423	0.81541244	0.99979593	1.045890211	1.49331756	0.48368782	0.91382899	0.28274277	1.577624035	0.85772223
mmu.mR.7663.3p	0.292378673	1.16617528	0.323314502	0.81551127	0.99979593	0.99979593	0.452481004	3.561582801	0.88909485	NA	-0.451576493	3.56431282	0.89186721
mmu.mR.677.5p	1.464846253	-0.36083823	1.552274786	-0.23257102	0.81618254	0.99979593	-0.373096997	1.062280319	0.72544034	0.96622328	-1.489289091	1.04253019	0.86602401
mmu.mR.671.7p	2.228181077	-0.535929621	2.307342382	-0.234271389	0.81623279	0.99979593	0.884846748	1.47903108	0.98755974	0.92194548	-0.98509706	1.692599782	0.61212991
mmu.mR.191.5p	7.12743962	0.62458982	0.123038656	0.231020235	0.81644256	0.99979593	0.863952028	0.73099294	0.93467772	0.84918414	1.052362245	0.718622445	0.90020026
mmu.mR.676b.9p	4.989021935	0.281285654	1.23794707	0.22751078	0.82020599	0.99979593	-0.161785921	0.843680074	0.8472851	0.97526934	-0.58639267	0.875756218	0.50312281
mmu.mR.9062.5p	-0.883691107	0.760067213	0.072821078	0.22827008	0.82077837	0.99979593	1.578571062	2.755740938	0.56675981	NA	0.42532183	2.836672015	0.86082478
mmu.mR.871.3p	5.112649071	-0.273964458	1.21194779	-0.22605302	0.82116018	0.99979593	-0.527049972	0.921032068	0.56719568	0.92194548	1.23597639	0.802812607	0.12366173
mmu.mR.5101	1.85664167	0.43240081	1.92836914	0.22484526	0.82209686	0.99979593	-0.887488587	1.407721242	0.52840452	0.91382899	0.208976994	1.28076434	0.90378786
mmu.mR.8107	0.415786179	-1.20598211	5.383423728	-0.224007653	0.82275135	0.99979593	2.783045631	3.791718457	0.46296091	NA	0.510146277	3.870594635	0.89514201
mmu.mR.6356	7.455240703	0.20759678	0.221431851	0.82475619	0.99979593	0.99979593	-0.967429451	6.673074764	1.05624711	0.82120506	0.083240799	6.09566144	0.89138061
mmu.mR.761.7e.3p	0.512456708	0.751003137	-0.220751636	0.8252882	0.99979593	0.99979593	-1.997974678	2.616011685	0.44501716	NA	0.530289595	2.429877076	0.8055738
mmu.mR.1951	0.202852384	-1.365572709	6.215413085	-0.219707229	0.82609917	0.99979593	-0.493753271	4.407292116	0.9179894	NA	1.078764339	4.38270886	0.83663538
mmu.mR.1a.1.5p	0.216721959	-1.365527519	6.215413085	-0.21969998	0.82610482	0.99979593	0.468006057	4.407292116	0.91543328	NA	2.040637484	4.38270886	0.83663538
mmu.mR.6903.3p	0.216721959	-1.365527519	6.215413085	-0.21969998	0.82610482	0.99979593	0.468006057	4.407292116	0.91543328	NA	2.040637484	4.38270886	0.83663538
mmu.mR.5615.3p	0.820037333	-0.328101918	1.498653002	-0.218931212	0.82670363								

mmu.mr.1896	0.139370479	1.09602992	6.202741036	0.177276932	0.85929087	0.99979593	-1.428481221	4.36470759	0.74345617	NA	-1.38635927	4.36470759	0.7507668	NA
mmu.mr.7086.5p	0.343081695	-0.487983454	4.785484232	-0.177199091	0.85925021	0.99979593	0.494303093	3.383735748	0.88383857	NA	-0.53495727	3.38400226	0.7439071	NA
mmu.mr.5130	1.294809771	-0.327356831	1.862771213	-0.175843627	0.86041676	0.99979593	0.291080973	1.27613349	0.81957159	0.97526934	-1.03707348	1.3251574	0.88829747	NA
mmu.mr.7448.3p	0.272328642	0.40013666	2.283085493	0.175261356	0.86067428	0.99979593	-1.545497258	1.69487808	0.36183588	0.90109054	0.404715041	1.439480245	0.778592	NA
mmu.mr.741	1.56711235	1.078933023	6.197282678	0.174282069	0.86164579	0.99979593	-1.32036597	4.358688993	0.74944586	NA	-0.40388849	4.35662875	0.82613861	NA
mmu.mr.294.3p	0.85333294	-0.83402111	4.835051131	-0.173491391	0.86239072	0.99979593	-0.34621829	3.36914399	0.83837041	NA	-0.29439605	3.36939639	0.7439071	NA
mmu.mr.26a.1.3p	8.534739196	0.152316028	0.877853648	-0.17332911	0.86239683	0.99979593	-0.155365033	6.02701799	0.80235116	0.97526934	0.150762897	6.07428535	0.7956259	NA
mmu.mr.1964.4p	55.65882545	0.063182091	0.365508678	0.172860715	0.86276901	0.99979593	-0.030450059	0.260338663	0.90688917	0.991115	-0.185117724	0.25075059	0.4701582	NA
mmu.mr.224.3p	0.135457764	1.063151378	6.204830998	0.17134252	0.86395445	0.99979593	-1.392028635	4.367677498	0.74994537	NA	-1.349093351	4.367677498	0.75277085	NA
mmu.mr.291.5p	0.135457764	1.063151378	6.204830998	0.17134252	0.86395445	0.99979593	-1.392028635	4.367677498	0.74994537	NA	-1.349093351	4.367677498	0.75277085	NA
mmu.mr.5110	0.135457764	1.063151378	6.204830998	0.17134252	0.86395445	0.99979593	-1.392028635	4.367677498	0.74994537	NA	-1.349093351	4.367677498	0.75277085	NA
mmu.mr.300.3p	0.057880067	-0.057205954	0.352221899	-0.170651072	0.86449819	0.99979593	-0.268079247	0.235237118	0.25444762	0.84914814	-0.002420982	0.2309697229	0.59172609	NA
mmu.mr.306.3p	1.021967072	0.519411591	3.045697131	0.170252446	0.86459778	0.99979593	0.690250419	2.131025674	0.74600976	0.97416757	-0.268992854	2.24309699	0.9045407	NA
mmu.mr.307.3a.5p	0.362287386	-0.80268394	4.786929945	-0.169155862	0.86565705	0.99979593	0.45283078	3.371560651	0.89315656	NA	-0.53470139	3.36939639	0.7439071	NA
mmu.mr.7092.5p	0.96352075	0.385026705	5.681947365	0.16886194	0.86604338	0.99979593	-1.315307174	4.00160362	0.42386222	NA	-0.283412354	3.96767403	0.94348167	NA
mmu.mr.654.6p	0.151659251	0.054172644	6.206186139	0.168480201	0.86622616	0.99979593	0.468067151	4.072922116	0.91542127	NA	0.510193035	4.072922116	0.90784187	NA
mmu.mr.7037.5p	0.473838228	3.888348575	0.168307134	0.866304126	0.99979593	-0.970515825	0.268552029	0.71780981	NA	-0.962696538	2.687773077	0.7201892	NA	
mmu.mr.3104.3p	4.979328478	-0.17969449	1.068180223	-0.168224881	0.86640637	0.99979593	-0.008778381	0.762779519	0.99081782	0.96594713	0.302233063	0.743802215	0.68451604	NA
mmu.mr.215.5p	43.01907529	-0.064934994	0.387772654	-0.167456353	0.86710109	0.99979593	-0.288414229	0.270216998	0.28581697	0.84972037	-0.093699879	0.26667238	0.72542574	NA
mmu.mr.7893.3p	0.36426211	0.956018903	5.782275822	0.165337549	0.86869792	0.99979593	-0.32090653	0.068871254	0.93671013	NA	-1.272764474	4.072971942	0.7646789	NA
mmu.mr.6416.3p	0.131416421	1.024224588	6.207121133	0.165007991	0.86893769	0.99979593	-1.353100711	4.370930689	0.75688942	NA	-1.310795427	4.370930689	0.76423017	NA
mmu.mr.6919.5p	0.131416421	1.024224588	6.207121133	0.165007991	0.86893769	0.99979593	-1.353100711	4.370930689	0.75688942	NA	-1.310795427	4.370930689	0.76423017	NA
mmu.mr.6950.5p	0.131416421	1.024224588	6.207121133	0.165007991	0.86893769	0.99979593	-1.353100711	4.370930689	0.75688942	NA	-1.310795427	4.370930689	0.76423017	NA
mmu.mr.6965.5p	0.131416421	1.024224588	6.207121133	0.165007991	0.86893769	0.99979593	-1.353100711	4.370930689	0.75688942	NA	-1.310795427	4.370930689	0.76423017	NA
mmu.mr.7002.5p	0.131416421	1.024224588	6.207121133	0.165007991	0.86893769	0.99979593	-1.353100711	4.370930689	0.75688942	NA	-1.310795427	4.370930689	0.76423017	NA
mmu.mr.7089.5p	0.131416421	1.024224588	6.207121133	0.165007991	0.86893769	0.99979593	-1.353100711	4.370930689	0.75688942	NA	-1.310795427	4.370930689	0.76423017	NA
mmu.mr.7649.3p	0.131416421	1.024224588	6.207121133	0.165007991	0.86893769	0.99979593	-1.353100711	4.370930689	0.75688942	NA	-1.310795427	4.370930689	0.76423017	NA
mmu.mr.701.3p	2.470537622	0.260948361	1.64094487	0.86695676	0.99979593	0.327140163	0.104246104	0.76703415	0.97526934	NA	-0.17543514	1.161072058	0.8798727	NA
mmu.mr.1191a	41.74780472	0.059950955	0.36920293	0.162379412	0.87100708	0.99979593	0.025431576	0.251828358	0.91956019	0.99186534	-0.334279412	0.261941875	0.20189941	NA
mmu.mr.308.3p	5.302426701	1.078506594	1.9225258184	0.161912867	0.87137447	0.99979593	0.761004771	0.778853047	0.32852762	0.88728326	-0.242473505	0.864884901	0.947160801	NA
mmu.mr.7097.5p	0.147930664	3.853869793	0.983896793	0.161680922	0.87204542	0.99979593	0.599574279	2.66160189	0.71564709	NA	0.928698547	2.66160189	0.72717863	NA
mmu.mr.7667.5p	0.299321492	0.956660733	5.958155676	0.160553232	0.8724342	0.99979593	-1.314211003	4.197374717	0.75422274	NA	-0.28167045	4.19366199	0.9466499	NA
mmu.mr.7034.5p	0.340735288	0.98748627	6.162474074	0.160439737	0.87253467	0.99979593	-2.308676599	4.311325275	0.59231258	NA	-1.275080758	4.307666773	0.76715231	NA
mmu.mr.718	0.145809361	0.99598639	6.209134363	0.160406641	0.87256076	0.99979593	0.468066796	4.072922116	0.91542144	NA	0.51019208	4.072922116	0.90784204	NA
mmu.mr.6917.3p	0.145809361	0.99598639	6.209134363	0.160406641	0.87256076	0.99979593	0.468066796	4.072922116	0.91542144	NA	0.51019208	4.072922116	0.90784204	NA
mmu.mr.7878.3p	0.145809361	0.99598639	6.209134363	0.160406641	0.87256076	0.99979593	0.468066796	4.072922116	0.91542144	NA	0.51019208	4.072922116	0.90784204	NA
mmu.mr.652.5p	7.862738435	-0.192898588	0.953398213	-0.160153004	0.87276005	0.99979593	-0.51291714	0.655280209	0.63040595	0.94149161	-0.20563005	0.683587816	0.7635888	NA
mmu.mr.7038.5p	0.500435433	0.178590576	3.846504858	0.159502509	0.87327298	0.99979593	0.454564503	2.780710695	0.87012238	NA	0.530131545	2.779094894	0.848716051	NA
mmu.mr.1941.3p	1.562919654	0.230119528	2.30119528	0.158781141	0.87425162	0.99979593	-0.14974405	1.730930689	0.39057696	0.9762634	0.14974405	1.963300547	0.5315938	NA
mmu.mr.5709.5p	3.54798323	0.240770977	5.15938871	0.158467754	0.87402883	0.99979593	-0.45499201	1.084359761	0.68085255	0.96256365	0.078354737	1.07410084	0.90434984	NA
mmu.mr.6899.3p	8.325788883	-0.137432925	0.867906801	-0.158349865	0.87418112	0.99979593	-0.082648278	0.573063929	0.88532537	0.9833498	-0.64730477	0.60667465	0.2859589	NA
mmu.mr.7681.1p	4.96237705	1.26069915	0.158180109	0.87430857	0.99979593	0.598976176	0.903030769	0.50714137	0.91382899	NA	0.311186408	0.924813782	0.7365048	NA
mmu.mr.6690.5p	12.06123008	-0.12241627	0.784349821	-0.156068904	0.87597871	0.99979593	-0.188114489	0.524828277	0.0003166	0.02036109	-0.23934607	0.632784002	0.7052521	NA
mmu.mr.141.5p	0.607513998	-0.574576636	3.705518722	-0.155935997	0.87677425	0.99979593	2.226281339	2.501443292	0.92792143	NA	-0.953430698	2.60372651	0.7142313	NA
mmu.la.7.2a	0.455104788	-0.069764342	0.455104788	-0.069764342	0.99979593	-0.87767599	0.316328071	0.00552845	0.1322975	NA	-0.188995649	0.29028654	0.5275759	NA
mmu.mr.3547.5p	7.202012452	0.2280297	1.489571016	0.152065699	0.87834667	0.99979593	-0.70957994	0.954181933	0.45708787	0.91382899	-1.121665479	1.004573328	0.26439887	NA
mmu.mr.7095.5p	1.354689954	2.20119528	2.30119528	0.1520119528	0.87834667	0.99979593	0.14978195	1.03289696	0.9762634	NA	0.963306984	1.03289696	0.9762634	NA
mmu.mr.224.5p	4.92467692	0.336212088	2.207104843	0.152317125	0.8789253	0.99979593	-0.640460674	1.579547595	0.68513136	0.96256365	0.40449611	1.539216129	0.7923239	NA
mmu.mr.6941.5p	0.2823413	0.768540923	5.048190254	0.151844868	0.87930943	0.99979593	0.452437852	3.569559143	0.9913911	NA	0.49690061	3.56971637	0.88961277	NA
mmu.mr.7653.3p	0.346387498	-0.238754416	1.57494444	-0.151595356	0.8795061	0.99979593	-0.009544692	1.226137006	0.94113303	0.99186534	1.610046927	1.307255237	0.1382299	NA
mmu.mr.7237.5p	0.803699175	-0.495167152	3.280357743	-0.150949314	0.8800157	0.99979593	0.233252314	2.272662624	0.91825351	NA	-0.0326074	2.07568054	0.9571968	NA
mmu.mr.1193.5p	5.169823911	-0.159408021	1.056859031	-0.150825124	0.88011367	0.99979593	0.146855777	0.761083071	0.84699319	0.97526934	0.51068084	0.74507839	0.5777709	NA
mmu.mr.3106.3p	0.72409089	0.324212109	1.50027938	0.88072457	0.99979593	-1.071746389	2.205011082	0.43880534	NA	-0.785400854	2.122685276	0.7113993	NA	
mmu.mr.7647.5p	0.094494782	-0.478487727	5.670293069	-0.478487727	0.99979593	-0.47095732	3.984579699	0.90591317	NA	-0.831677825	3.984817562	0.91395219	NA	
mmu.mr.3115.5p	0.284296531	-0.742711404	4.997321747	-0.742711404	0.99979593	1.414236941	3.555167809	0.90077912	NA	1.45725518	3.55525917	0.88189436	NA	
mmu.mr.6916.7a	0.878516714	-0.469574826	3.178438426	-0.474783065	0.88247646	0.99979593	0.55594272	2.10940917	0.16826277	NA	-0.934749072	2.30828208	0.8850021	NA
mmu.mr.682	0.338357848	-0												

mmu.mR.6998.3p	0.137246991	-0.781116504	6.231336197	-0.125352971	9.00024412	0.99979593	-0.493736241	4.407292116	0.9108019 NA	0.494490083	4.405254696	0.91063972 NA	
mmu.mR.7053.3p	0.137246991	-0.781116504	6.231336197	-0.125352971	9.00024412	0.99979593	-0.493736241	4.407292116	0.9108019 NA	0.494490083	4.405254696	0.91063972 NA	
mmu.mR.7222.5p	0.137246991	-0.781116504	6.231336197	-0.125352971	9.00024412	0.99979593	-0.493736241	4.407292116	0.9108019 NA	0.494490083	4.405254696	0.91063972 NA	
mmu.mR.784.8p	0.137246991	-0.781116504	6.231336197	-0.125352971	9.00024412	0.99979593	-0.493736241	4.407292116	0.9108019 NA	0.494490083	4.405254696	0.91063972 NA	
mmu.mR.2914.5p	0.151116566	-0.781071774	6.231336381	-0.125345789	9.0002498	0.99979593	0.468620307	4.407292116	0.91542931 NA	1.456170388	4.405254956	0.74098213 NA	
mmu.mR.4654.5p	0.151116566	-0.781071774	6.231336381	-0.125345789	9.0002498	0.99979593	0.468620307	4.407292116	0.91542931 NA	1.456170388	4.405254956	0.74098213 NA	
mmu.mR.6980.3p	0.131753471	-0.781071774	6.231336381	-0.125345789	9.0002498	0.99979593	0.468620307	4.407292116	0.91542931 NA	1.456170388	4.405254956	0.74098213 NA	
mmu.mR.6981.3p	0.151116566	-0.781071774	6.231336381	-0.125345789	9.0002498	0.99979593	0.468620307	4.407292116	0.91542931 NA	1.456170388	4.405254956	0.74098213 NA	
mmu.mR.7017.3p	0.131753471	-0.781071774	6.231336381	-0.125345789	9.0002498	0.99979593	0.468620307	4.407292116	0.91542931 NA	1.456170388	4.405254956	0.74098213 NA	
mmu.mR.7068.5p	0.131753471	-0.781071774	6.231336381	-0.125345789	9.0002498	0.99979593	0.468620307	4.407292116	0.91542931 NA	1.456170388	4.405254956	0.74098213 NA	
mmu.mR.7235.5p	0.131753471	-0.781071774	6.231336381	-0.125345789	9.0002498	0.99979593	0.468620307	4.407292116	0.91542931 NA	1.456170388	4.405254956	0.74098213 NA	
mmu.mR.184.5p	0.131247564	-0.78016411	6.231247223	-0.125201909	9.00036371	0.99979593	0.451331387	4.405129537	0.91839484 NA	-0.451019029	4.407292116	0.9183844 NA	
mmu.mR.721	0.13516028	-0.78016411	6.231247223	-0.125201909	9.00036371	0.99979593	0.451331387	4.405129537	0.91839484 NA	-0.451019029	4.407292116	0.9183844 NA	
mmu.mR.1898	0.127206222	-0.78016411	6.231247223	-0.125201909	9.00036371	0.99979593	0.451331387	4.405129537	0.91839484 NA	-0.451019029	4.407292116	0.9183844 NA	
mmu.mR.5124b	0.13516028	-0.78016411	6.231247223	-0.125201909	9.00036371	0.99979593	0.451331387	4.405129537	0.91839484 NA	-0.451019029	4.407292116	0.9183844 NA	
mmu.mR.6392.3p	0.127206222	-0.78016411	6.231247223	-0.125201909	9.00036371	0.99979593	0.451331387	4.405129537	0.91839484 NA	-0.451019029	4.407292116	0.9183844 NA	
mmu.mR.6406	0.127206222	-0.78016411	6.231247223	-0.125201909	9.00036371	0.99979593	0.451331387	4.405129537	0.91839484 NA	-0.451019029	4.407292116	0.9183844 NA	
mmu.mR.6416.5p	0.13516028	-0.78016411	6.231247223	-0.125201909	9.00036371	0.99979593	0.451331387	4.405129537	0.91839484 NA	-0.451019029	4.407292116	0.9183844 NA	
mmu.mR.6944.5p	0.13516028	-0.78016411	6.231247223	-0.125201909	9.00036371	0.99979593	0.451331387	4.405129537	0.91839484 NA	-0.451019029	4.407292116	0.9183844 NA	
mmu.mR.7061.3p	0.13516028	-0.78016411	6.231247223	-0.125201909	9.00036371	0.99979593	0.451331387	4.405129537	0.91839484 NA	-0.451019029	4.407292116	0.9183844 NA	
mmu.mR.7074.3p	0.13516028	-0.78016411	6.231247223	-0.125201909	9.00036371	0.99979593	0.451331387	4.405129537	0.91839484 NA	-0.451019029	4.407292116	0.9183844 NA	
mmu.mR.1963	0.143179965	-0.780119374	6.231247907	-0.125194726	9.00036939	0.99979593	1.413092885	4.405129796	0.74837451 NA	0.510148399	4.407292116	0.9078498 NA	
mmu.mR.787	0.143179965	-0.780119374	6.231247907	-0.125194726	9.00036939	0.99979593	1.413092885	4.405129796	0.74837451 NA	0.510148399	4.407292116	0.9078498 NA	
mmu.mR.3101.3p	0.129666761	-0.780119374	6.231247907	-0.125194726	9.00036939	0.99979593	1.413092885	4.405129796	0.74837451 NA	0.510148399	4.407292116	0.9078498 NA	
mmu.mR.3073b.3p	0.143179965	-0.780119374	6.231247907	-0.125194726	9.00036939	0.99979593	1.413092885	4.405129796	0.74837451 NA	0.510148399	4.407292116	0.9078498 NA	
mmu.mR.106a.3p	0.274530759	0.753201194	6.074040692	0.124003317	9.0131265	0.99979593	-1.082077537	4.251932193	0.79911643 NA	-1.980581384	4.254176253	0.64077271 NA	
mmu.mR.6920.5p	1.03136717	0.31176278	2.522181737	0.123608373	9.0162636	0.99979593	1.014694909	1.662360643	0.94701691 NA	0.991902452	1.818346509	0.58841709 NA	
mmu.mR.466b.5p	0.646991296	0.456896981	3.686606981	-0.12305857	9.0206072	0.99979593	1.70799073	2.628415523	0.51536772 NA	0.596951087	2.726099207	0.84590739 NA	
mmu.mR.128.2.5p	1.284454992	0.376605092	3.067459494	0.122793927	9.0220736	0.99979593	1.248704956	1.96446393	0.5252018	0.91382899	-2.6526716	2.23492759	0.23463872 NA
mmu.mR.698.5p	0.34892825	-0.75324659	6.17275116	-0.122027694	9.05287709	0.99979593	0.468614711	4.407292116	0.91543062 NA	2.37422084	4.365488979	0.58653115 NA	
mmu.mR.1955.5p	4.922051392	0.13083814	1.074961036	0.121756171	9.03029213	0.99979593	-0.78925981	1.126787604	0.70889056	0.96255365	0.264692514	0.7380765	0.72014126 NA
mmu.mR.6985.5p	4.588156652	-0.141927437	1.166962644	-0.121621234	9.03198	0.99979593	-0.090452319	0.821653289	0.91234137	0.991115	0.10386898	0.01777507	0.98794659 NA
mmu.mR.7661.3p	0.354565185	0.68306019	1.020852931	0.90307851	9.09979593	0.99979593	-2.019232949	3.955362439	0.61276612 NA	-0.97000696	3.951388292	0.80680104 NA	
mmu.mR.5710	0.674054661	0.422028662	3.492544051	0.120837033	9.03082012	0.99979593	-2.423678539	2.457746886	0.32406521 NA	0.25038986	2.297489218	0.9123006 NA	
mmu.mR.7227.3p	0.362390616	0.732050647	1.118619184	0.105771357	9.0557707	0.99979593	-2.05196912	4.323772895	0.63308752 NA	-1.01802598	4.320098237	0.81356567 NA	
mmu.mR.767.3p	1.029468485	0.287718041	2.446328915	0.117612116	9.0637497	0.99979593	-0.58062185	1.702537538	0.73307858	0.96734583	0.322103652	1.667815011	0.84685785 NA
mmu.mR.712.3p	1.098616336	-0.148067643	1.260541526	-0.117463559	9.04964275	0.99979593	0.024641212	0.910538668	0.82062108	0.97526934	0.478935136	0.99313962	0.91033203 NA
mmu.mR.721.5p	0.299250965	0.681785477	5.903474842	0.115486840	9.08057796	0.99979593	-0.100187723	4.133866902	0.628335	0.91382899	-0.986853249	4.130041593	0.81458968 NA
mmu.mR.1955.5p	2.86514596	-0.152109816	1.611008912	-0.108112894	9.03029213	0.99979593	-0.29002568	1.126787604	0.70889056	0.96255365	0.264692514	0.7380765	0.72014126 NA
mmu.mR.7307.5p	55.42490242	-0.038684256	0.345882186	-0.111748448	9.0109643	0.99979593	-0.186289811	0.241773108	0.44009403	0.91382899	-0.058614529	0.240048053	0.8070298 NA
mmu.mR.193a.5p	4.222631425	0.140659878	1.261928001	0.111442646	9.0112482	0.99979593	-0.14481262	0.876282567	0.8693801	0.9786494	-0.271452881	0.084713908	0.75961462 NA
mmu.mR.6962.3p	3.224088262	-0.164377361	1.480928477	-0.110996153	9.0116194	0.99979593	0.107522372	1.062144783	0.9193668	0.99186534	0.401101981	1.042546643	0.70041066 NA
mmu.mR.8106	0.328571553	0.629861438	5.756730934	0.109413041	9.13287489	0.99979593	-0.958717447	4.026528662	0.81180059	NA	-1.908429524	4.030673424	0.63587319 NA
mmu.mR.467	0.8214772	0.536137227	1.081793648	0.913361166	9.09979593	0.99979593	0.859064269	2.185135303	0.69421602 NA	0.91949634	2.361727002	0.69876834 NA	
mmu.mR.154.3p	0.234838361	-0.044859122	0.412716494	-0.107866238	9.0134465	0.99979593	0.184054627	0.286776237	0.52071214	0.91382899	-0.118801011	0.29423908	0.6863094 NA
mmu.mR.764.5p	41.70541626	-0.359256208	3.2735346	-0.10995305	9.01428877	0.99979593	-0.385334513	2.392094516	0.87202515 NA	1.04400404	2.260779378	0.64423348 NA	
mmu.mR.7000.3p	9.0319284	0.10329484	1.41328484	0.10329484	9.0319284	0.99979593	-0.20305691	0.584037175	0.72631123	0.96770036	-0.001691697	0.53029228	0.53702995 NA
mmu.mR.379a	34.66032355	-0.053719215	0.155340782	-0.104240178	9.01897875	0.99979593	-0.22133427	0.362552312	0.54155775	0.91676619	0.007280047	0.35857212	0.98379981 NA
mmu.mR.7092.2p	1.170459232	0.282558083	2.07582837	0.291576225	9.01750078	0.99979593	-2.917776255	1.850799111	0.10834601	0.75171283	-1.543017705	1.674921262	0.39629107 NA
mmu.mR.7069.3p	1.661113984	-0.216536811	2.08695259	-0.103177003	9.01782249	0.99979593	-0.864049011	1.516895853	0.54163762	0.91676619	-0.493371519	1.377550549	0.72023009 NA
mmu.mR.6907.6p	0.664379066	-1.177209278	2.851097465	-0.102143598	9.01682427	0.99979593	-1.77209278	2.851097465	0.53423939 NA	-0.852189398	2.789934368	0.76020264 NA	
mmu.mR.3061.5p	31.30472464	0.051552023	0.505022717	0.102075176	9.01869701	0.99979593	-0.122868053	0.357135293	0.73141173	0.96734583	0.06603504	0.35365382	0.80820245 NA
mmu.mR.7066.5p	2.180806539	-0.176303885	1.730144725	-0.101901062	9.01883231	0.99979593	-0.174973239	1.165758	0.8060905	0.9833498	-0.441599549	1.017698064	0.7123462 NA
mmu.mR.6516.3p	3.28421712	-0.15937033	1.574076318	-0.101246922	9.01935445	0.99979593	0.533773415	1.172550515	0.64650328	0.95035982	0.953814212	1.05067080	0.36597852 NA
mmu.mR.467a.5p	12.73095192	-0.068740881	0.681043638	-0.100934324	9.0196026	0.99979593	0.650553811	0.468169578	0.16268598	0.82300676	-0.174031679	0.50401832	0.72935553 NA
mmu.mR.571.5p	0.256698012	0.256698012	0.256698012	-0.100512655	9.0199371	0.99979593	-0.134525514	1.74645695	0.5380162	0.99186534	0.174546843	0.6656985	0.6656985 NA
mmu.mR.697b.3p	0.256698012	0.256698012	0.256698012	0.10047035	9.02002094	0.99979593	-1.895271168	4.332493612	0.66178138 NA	-0.907131606	4.33042022	0.83407442 NA	
mmu.mR.7023.5p	0.620383345	0.620383345	0.620383345	0.10047035	9.02002094	0.99979593	-1.895271168	4.332493612	0.661781				

