

Supplemental Table 2: CanFam2 satellite bed file

chr	chrS	chrE	bp_span	satelliteName	tile_color	type
chr1	3000005	3001054	1050	CarSat1	red	pericen
chr1	3001070	3002770	1701	CarSat1	red	pericen
chr1	3002797	3003508	712	CarSat1	red	pericen
chr1	3003535	3004246	712	CarSat1	red	pericen
chr1	3004273	3005479	1207	CarSat1	red	pericen
chr1	3005495	3007933	2439	CarSat1	red	pericen
chr1	3007954	3009890	1937	CarSat1	red	pericen
chr1	3009902	3010870	969	CarSat1	red	pericen
chr1	3010887	3011497	611	CarSat1	red	pericen
chr1	3011694	3012393	700	CarSat1	red	pericen
chr1	3021112	3022045	934	CarSat1	red	pericen
chr1	3022058	3022982	925	CarSat1	red	pericen
chr1	3022996	3024025	1030	SAT1_CF	blue	pericen
chr1	3027678	3028314	637	CarSat1	red	pericen
chr1	3028341	3031750	3410	CarSat1	red	pericen
chr1	3031764	3032648	885	CarSat1	red	pericen
chr1	3032845	3032943	99	CarSat1	red	pericen
chr1	3032957	3033555	599	CarSat1	red	pericen
chr1	3037515	3038618	1104	Sat2CF	purple	pericen
chr1	3037580	3038566	987	Sat2CF	purple	pericen
chr1	3038812	3038947	136	SAT1_CF	blue	pericen
chr1	3038979	3040041	1063	SAT1_CF	blue	pericen
chr1	3040070	3040472	403	CarSat1	red	pericen
chr1	3040491	3042272	1782	CarSat1	red	pericen
chr1	3042306	3042713	408	CarSat1	red	pericen
chr1	3051996	3052741	746	CarSat1	red	pericen
chr1	3052762	3054354	1593	CarSat1	red	pericen
chr1	3054375	3054515	141	CarSat1	red	pericen
chr1	3056986	3058237	1252	Sat2CF	purple	pericen
chr1	3073626	3074523	898	Sat2CF	purple	pericen
chr1	3169146	3169999	854	CarSat1	red	pericen
chr1	3170021	3170842	822	CarSat1	red	pericen
chr1	3171028	3171376	349	CarSat1	red	pericen
chr1	3192099	3192869	771	Sat2CF	purple	pericen
chr1	3192188	3192854	667	Sat2CF	purple	pericen
chr1	3212314	3213463	1150	Sat78CF	na	pericen
chr1	3437128	3437263	136	Carsat2	orange	pericen
chr1	3437150	3439750	2601	CarSat1	red	pericen
chr1	3440928	3443291	2364	CarSat1	red	pericen
chr1	3443477	3444367	891	CarSat1	red	pericen

chr1	3449097	3450615	1519	CarSat1	red	pericen
chr1	3450632	3451597	966	CarSat1	red	pericen
chr1	3451610	3452836	1227	CarSat1	red	pericen
chr1	3452868	3453572	705	CarSat1	red	pericen
chr1	3453748	3454615	868	CarSat1	red	pericen
chr1	3454802	3455407	606	CarSat1	red	pericen
chr1	3455420	3456659	1240	CarSat1	red	pericen
chr1	3456852	3457474	623	CarSat1	red	pericen
chr1	3458263	3458780	518	CarSat1	red	pericen
chr1	3458997	3459126	130	Carsat2	orange	pericen
chr1	3459016	3461492	2477	CarSat1	red	pericen
chr1	3461504	3463589	2086	CarSat1	red	pericen
chr1	3465217	3465384	168	CarSat1	red	pericen
chr1	3465572	3466728	1157	CarSat1	red	pericen
chr1	3596351	3596490	140	Sat18CF	na	pericen
chr1	3966489	3966602	114	Sat49CF	na	pericen
chr1	3988513	3988600	88	Sat43CF	na	pericen
chr1	4071468	4072830	1363	Sat140CF	na	pericen
chr1	4072562	4072861	300	Sat140CF	na	pericen
chr1	4266622	4266748	127	Sat5CF	stalk	pericen
chr1	4512957	4513039	83	Sat13CF	na	pericen
chr1	4584372	4584631	260	Sat91CF	na	pericen
chr1	4607419	4607647	229	Sat170CF	na	pericen
chr1	4636446	4636574	129	Sat5CF	stalk	pericen
chr1	5093351	5093421	71	Sat5CF	stalk	na
chr1	5916203	5916475	273	Sat120CF	na	na
chr1	5942342	5942547	206	Sat65CF	na	na
chr1	5942397	5942624	228	Sat86CF	na	na
chr1	5942425	5942719	295	Sat65CF	na	na
chr1	5964203	5964311	109	Carsat3	green	na
chr1	6038235	6038335	101	Carsat3	green	na
chr1	6099492	6099695	204	Sat102CF	na	na
chr1	6222953	6223187	235	Sat5CF	stalk	na
chr1	6223000	6223181	182	Sat93CF	na	na
chr1	6441256	6441325	70	Sat63CF	na	na
chr1	7905859	7906036	178	Sat65CF	na	na
chr1	17884491	17884768	278	Sat17CF	na	na
chr1	20354668	20354711	44	Sat40CF	na	na
chr1	21129007	21129061	55	Sat22CF	na	na
chr1	21956958	21957016	59	Sat88CF	na	na
chr1	23049267	23049440	174	SAT1_CF	blue	na
chr1	23755927	23757348	1422	Sat132CF	na	na

chr1	26880011	26881850	1840 Sat55CF	na	na
chr1	26881923	26881952	30 Sat39CF	na	na
chr1	26882759	26884222	1464 Sat39CF	na	na
chr1	26884292	26884543	252 Sat39CF	na	na
chr1	26884296	26884620	325 Sat38CF	na	na
chr1	26893527	26895268	1742 Sat86CF	na	na
chr1	27657904	27658007	104 Sat169CF	na	na
chr1	27657918	27659065	1148 Sat169CF	na	na
chr1	27659022	27659070	49 Sat169CF	na	na
chr1	27709453	27709630	178 Sat37CF	na	na
chr1	27710265	27710420	156 Sat37CF	na	na
chr1	27738445	27738760	316 Sat34CF	na	na
chr1	30048883	30048937	55 Sat21CF	na	na
chr1	32497340	32497378	39 Sat5CF	stalk	na
chr1	33626633	33626837	205 Sat17CF	na	na
chr1	34751290	34751365	76 Sat46CF	na	na
chr1	40712618	40712659	42 Sat36CF	na	na
chr1	41651010	41651057	48 Sat27CF	na	na
chr1	48803534	48803580	47 Sat41CF	na	na
chr1	49611233	49611277	45 Sat76CF	na	na
chr1	50694257	50694307	51 CarSat1	red	na
chr1	54297071	54297113	43 Sat140CF	na	na
chr1	55040309	55040395	87 Sat102CF	na	na
chr1	56773850	56773977	128 Sat141CF	na	na
chr1	56998588	56998717	130 Sat37CF	na	na
chr1	57064994	57065061	68 Sat18CF	na	na
chr1	57070447	57070639	193 Sat47CF	na	na
chr1	57365368	57365550	183 Sat93CF	na	na
chr1	57399798	57399894	97 Sat181CF	na	na
chr1	57399895	57400956	1062 Sat181CF	na	na
chr1	57400957	57401015	59 Sat181CF	na	na
chr1	57401168	57401373	206 Sat181CF	na	na
chr1	58076304	58076568	265 Sat47CF	na	na
chr1	58076309	58076541	233 Sat85CF	na	na
chr1	58378757	58378912	156 Sat79CF	na	na
chr1	58679694	58679920	227 Sat171CF	na	na
chr1	59738934	59739091	158 Sat146CF	na	na
chr1	70048687	70048745	59 Sat107CF	na	na
chr1	70516005	70516154	150 Sat112CF	na	na
chr1	71383054	71383215	162 Sat5CF	stalk	na
chr1	71646925	71647684	760 Sat96CF	na	na
chr1	72082906	72083073	168 Sat16CF	na	na

chr1	72131928	72132085	158 Sat150CF	na	na
chr1	72319446	72319491	46 Sat52CF	na	na
chr1	72442735	72442912	178 Sat130CF	na	na
chr1	72598755	72601699	2945 SAT1_CF	blue	na
chr1	72601744	72602478	735 SAT1_CF	blue	na
chr1	72602491	72603795	1305 CarSat1	red	na
chr1	72610096	72610224	129 CarSat1	red	na
chr1	72643333	72644823	1491 CarSat1	red	na
chr1	72644844	72646701	1858 CarSat1	red	na
chr1	72646731	72648530	1800 CarSat1	red	na
chr1	72648551	72648792	242 CarSat1	red	na
chr1	72648973	72649532	560 CarSat1	red	na
chr1	72649546	72649749	204 CarSat1	red	na
chr1	72649933	72651773	1841 CarSat1	red	na
chr1	72651808	72654910	3103 CarSat1	red	na
chr1	72654968	72656243	1276 CarSat1	red	na
chr1	72656275	72656983	709 CarSat1	red	na
chr1	72657018	72657708	691 CarSat1	red	na
chr1	72657719	72658444	726 CarSat1	red	na
chr1	72658456	72659185	730 CarSat1	red	na
chr1	72659198	72660142	945 CarSat1	red	na
chr1	72666424	72667248	825 CarSat1	red	na
chr1	72667274	72669679	2406 CarSat1	red	na
chr1	72669692	72670928	1237 CarSat1	red	na
chr1	72671101	72674244	3144 CarSat1	red	na
chr1	72674266	72674855	590 CarSat1	red	na
chr1	72675017	72675410	394 CarSat1	red	na
chr1	72678438	72678565	128 Carsat2	orange	na
chr1	72678454	72680037	1584 CarSat1	red	na
chr1	72692981	72694139	1159 Carsat2	orange	na
chr1	72694139	72694255	117 CarSat1	red	na
chr1	72694435	72694792	358 CarSat1	red	na
chr1	72694825	72696407	1583 Carsat2	orange	na
chr1	72703532	72706848	3317 Carsat2	orange	na
chr1	72743751	72743873	123 Carsat3	green	na
chr1	72744048	72744198	151 Carsat3	green	na
chr1	72744218	72746321	2104 Carsat3	green	na
chr1	72746737	72746817	81 Carsat3	green	na
chr1	72790024	72790065	42 Sat91CF	na	na
chr1	73016153	73016221	69 Sat33CF	na	na
chr1	73161879	73162014	136 Carsat3	green	na
chr1	73162228	73163545	1318 Carsat3	green	na

chr1	73231371	73232918	1548	Carsat3	green	na
chr1	73535114	73535220	107	Carsat3	green	na
chr1	73674731	73675016	286	Sat47CF	na	na
chr1	74394507	74394864	358	Sat8CF	dgreen	na
chr1	74396636	74396755	120	Sat8CF	dgreen	na
chr1	74396815	74397000	186	Sat8CF	dgreen	na
chr1	75386635	75386671	37	Sat45CF	na	na
chr1	77185775	77185867	93	Sat63CF	na	na
chr1	77796299	77796348	50	Sat18CF	na	na
chr1	79634562	79634797	236	Carsat3	green	na
chr1	80117048	80117092	45	Sat22CF	na	na
chr1	80493201	80493295	95	Sat88CF	na	na
chr1	92117334	92117495	162	SUBTEL_sa	na	na
chr1	96683677	96683897	221	Sat17CF	na	na
chr1	97057527	97057806	280	Carsat3	green	na
chr1	97057821	97058776	956	Carsat3	green	na
chr1	97280789	97280871	83	Sat16CF	na	na
chr1	98434580	98434971	392	Sat30CF	na	na
chr1	99600496	99600683	188	Sat5CF	stalk	na
chr1	99600579	99600682	104	Sat5CF	stalk	na
chr1	99919695	99919846	152	Sat57CF	na	na
chr1	100047620	100049392	1773	Sat89CF	na	na
chr1	100049249	100049418	170	Sat89CF	na	na
chr1	100207475	100207526	52	Sat43CF	na	na
chr1	100524675	100524749	75	Sat27CF	na	na
chr1	100880304	100880453	150	Carsat3	green	na
chr1	100880625	100880873	249	Carsat3	green	na
chr1	100880965	100881348	384	Carsat3	green	na
chr1	101335915	101336167	253	Sat106CF	na	na
chr1	101467699	101467868	170	Sat89CF	na	na
chr1	101467725	101468696	972	Sat89CF	na	na
chr1	101471252	101472064	813	Sat89CF	na	na
chr1	102233191	102235026	1836	Carsat3	green	na
chr1	102239651	102239776	126	Carsat3	green	na
chr1	102246856	102247453	598	Carsat3	green	na
chr1	102247502	102247745	244	Carsat3	green	na
chr1	102376651	102376883	233	SAT1_CF	blue	na
chr1	102382742	102382939	198	Sat2CF	purple	na
chr1	102382749	102382992	244	Sat2CF	purple	na
chr1	102391074	102391300	227	Sat2CF	purple	na
chr1	102391114	102391342	229	Sat2CF	purple	na
chr1	102418460	102420754	2295	Carsat2	orange	na

chr1	102433732	102433872	141	Carsat3	green	na
chr1	102433975	102434525	551	Carsat3	green	na
chr1	102434555	102435022	468	Carsat3	green	na
chr1	102464634	102464807	174	Carsat3	green	na
chr1	102465498	102465639	142	Carsat3	green	na
chr1	102519001	102519105	105	Carsat3	green	na
chr1	102519134	102519770	637	Carsat3	green	na
chr1	102536788	102536858	71	Carsat3	green	na
chr1	102537026	102537121	96	Carsat3	green	na
chr1	102537347	102537772	426	Carsat3	green	na
chr1	102537998	102538104	107	Carsat3	green	na
chr1	102538683	102538745	63	Carsat3	green	na
chr1	102538936	102539033	98	Carsat3	green	na
chr1	102553452	102554494	1043	Carsat3	green	na
chr1	102557322	102557457	136	Carsat3	green	na
chr1	102565393	102566808	1416	Carsat3	green	na
chr1	102588169	102588841	673	Carsat3	green	na
chr1	102605129	102605401	273	Carsat3	green	na
chr1	102605563	102606137	575	Carsat3	green	na
chr1	102613033	102613133	101	Carsat3	green	na
chr1	102645136	102645252	117	Carsat3	green	na
chr1	102645407	102645620	214	Carsat3	green	na
chr1	102645739	102645902	164	Carsat3	green	na
chr1	102655904	102656031	128	Carsat3	green	na
chr1	102681200	102681875	676	Carsat3	green	na
chr1	102691219	102691523	305	Carsat3	green	na
chr1	102691575	102691804	230	Carsat3	green	na
chr1	102698564	102698950	387	Carsat3	green	na
chr1	102698988	102699548	561	Carsat3	green	na
chr1	102699638	102699971	334	Carsat3	green	na
chr1	102701175	102701218	44	Sat70CF	na	na
chr1	102714023	102714487	465	Carsat3	green	na
chr1	102737929	102739177	1249	Carsat3	green	na
chr1	102753046	102753437	392	Carsat3	green	na
chr1	102753455	102753628	174	Carsat3	green	na
chr1	102765623	102766132	510	Carsat3	green	na
chr1	102796122	102796377	256	Carsat3	green	na
chr1	102796618	102796759	142	Carsat3	green	na
chr1	102831788	102832914	1127	Carsat3	green	na
chr1	102858904	102859241	338	Carsat3	green	na
chr1	102859355	102859519	165	Carsat3	green	na
chr1	102888914	102890247	1334	Carsat3	green	na

chr1	102943490	102943679	190 Sat17CF	na	na
chr1	102945781	102946437	657 Carsat3	green	na
chr1	102983645	102983780	136 Carsat3	green	na
chr1	102983810	102985102	1293 Carsat3	green	na
chr1	102985237	102985329	93 Carsat3	green	na
chr1	103030735	103030874	140 Carsat3	green	na
chr1	103031052	103032169	1118 Carsat3	green	na
chr1	103048570	103048690	121 Carsat3	green	na
chr1	103048745	103049246	502 Carsat3	green	na
chr1	103049422	103049713	292 Carsat3	green	na
chr1	103079392	103080266	875 Carsat3	green	na
chr1	103106719	103108355	1637 Carsat3	green	na
chr1	103127658	103127802	145 Carsat3	green	na
chr1	103127962	103128243	282 Carsat3	green	na
chr1	103128433	103129842	1410 Carsat3	green	na
chr1	103146550	103146852	303 Carsat3	green	na
chr1	103147020	103149031	2012 Carsat3	green	na
chr1	103168534	103168900	367 Carsat3	green	na
chr1	103168919	103171732	2814 Carsat3	green	na
chr1	103178055	103178184	130 Carsat3	green	na
chr1	103178843	103179035	193 Carsat3	green	na
chr1	103179611	103179820	210 Carsat3	green	na
chr1	103230705	103232460	1756 Carsat3	green	na
chr1	103261494	103261722	229 Carsat3	green	na
chr1	103261733	103263770	2038 Carsat3	green	na
chr1	103325141	103325945	805 Carsat3	green	na
chr1	103350690	103351694	1005 Carsat3	green	na
chr1	103386279	103387076	798 Carsat3	green	na
chr1	103423671	103424454	784 Carsat3	green	na
chr1	103424465	103424570	106 Carsat3	green	na
chr1	103450354	103451095	742 Carsat3	green	na
chr1	103451108	103451400	293 Carsat3	green	na
chr1	103476495	103476666	172 Carsat3	green	na
chr1	103491894	103492764	871 Carsat3	green	na
chr1	103492802	103493078	277 Carsat3	green	na
chr1	103510977	103512407	1431 Carsat3	green	na
chr1	103534677	103534953	277 Carsat3	green	na
chr1	103534991	103535864	874 Carsat3	green	na
chr1	103551664	103551835	172 Carsat3	green	na
chr1	103573903	103574832	930 Carsat3	green	na
chr1	103591260	103591988	729 Carsat3	green	na
chr1	103592123	103592219	97 Carsat3	green	na

chr1	103620380	103621453	1074	Carsat3	green	na
chr1	103638168	103638559	392	Carsat3	green	na
chr1	103638586	103639646	1061	Carsat3	green	na
chr1	103675479	103675949	471	Carsat3	green	na
chr1	103675985	103676161	177	Carsat3	green	na
chr1	103693347	103694383	1037	Carsat3	green	na
chr1	103715165	103715862	698	Carsat3	green	na
chr1	103745472	103746411	940	Carsat3	green	na
chr1	103754112	103754391	280	Carsat3	green	na
chr1	103754503	103754662	160	Carsat3	green	na
chr1	103754735	103754879	145	Carsat3	green	na
chr1	103771815	103771912	98	Carsat3	green	na
chr1	103772063	103773279	1217	Carsat3	green	na
chr1	103795382	103796414	1033	Carsat3	green	na
chr1	103813664	103814957	1294	Carsat3	green	na
chr1	103835981	103836075	95	Carsat3	green	na
chr1	103836087	103836267	181	Carsat3	green	na
chr1	103836301	103836420	120	Carsat3	green	na
chr1	103836461	103836640	180	Carsat3	green	na
chr1	103855873	103857323	1451	Carsat3	green	na
chr1	103883785	103883860	76	Carsat3	green	na
chr1	103883977	103885207	1231	Carsat3	green	na
chr1	103922932	103924141	1210	Carsat3	green	na
chr1	103979895	103980429	535	Carsat3	green	na
chr1	103980807	103981125	319	Carsat3	green	na
chr1	103982219	103982514	296	Carsat3	green	na
chr1	104192627	104193383	757	Carsat3	green	na
chr1	104194093	104194222	130	Carsat3	green	na
chr1	104194965	104195064	100	Carsat3	green	na
chr1	104195190	104195266	77	Carsat3	green	na
chr1	104195317	104195446	130	Carsat3	green	na
chr1	104195464	104195587	124	Carsat3	green	na
chr1	104227011	104227560	550	Carsat3	green	na
chr1	104227691	104227908	218	Carsat3	green	na
chr1	104256760	104257017	258	Carsat3	green	na
chr1	104257109	104257324	216	Carsat3	green	na
chr1	104269197	104269291	95	Carsat3	green	na
chr1	104269335	104270043	709	Carsat3	green	na
chr1	104433860	104434084	225	Carsat3	green	na
chr1	104434439	104434658	220	Carsat3	green	na
chr1	104434691	104435107	417	Carsat3	green	na
chr1	104472334	104472486	153	Carsat3	green	na

chr1	104472617	104472723	107	Carsat3	green	na
chr1	104472784	104472954	171	Carsat3	green	na
chr1	104480766	104481868	1103	Carsat3	green	na
chr1	104510235	104511672	1438	Carsat3	green	na
chr1	104531478	104532754	1277	Carsat3	green	na
chr1	104559866	104560554	689	Carsat3	green	na
chr1	104560569	104561406	838	Carsat3	green	na
chr1	104587857	104588524	668	Carsat3	green	na
chr1	104588712	104588937	226	Carsat3	green	na
chr1	104610615	104610766	152	Carsat3	green	na
chr1	104610848	104611162	315	Carsat3	green	na
chr1	104611220	104611514	295	Carsat3	green	na
chr1	104625686	104626741	1056	Carsat3	green	na
chr1	104649929	104650065	137	Sat5CF	stalk	na
chr1	104663841	104664863	1023	Carsat3	green	na
chr1	104680420	104681304	885	Carsat3	green	na
chr1	104681317	104681837	521	Carsat3	green	na
chr1	104784903	104785016	114	Carsat3	green	na
chr1	104785076	104785180	105	Carsat3	green	na
chr1	105263952	105264195	244	Sat18CF	na	na
chr1	106318691	106319363	673	Sat74CF	na	na
chr1	106318835	106319369	535	Sat74CF	na	na
chr1	106592996	106594082	1087	Carsat3	green	na
chr1	106668358	106668520	163	Carsat3	green	na
chr1	106668806	106668916	111	Carsat3	green	na
chr1	106697037	106697166	130	Carsat3	green	na
chr1	106697510	106697967	458	Carsat3	green	na
chr1	106698090	106698283	194	Carsat3	green	na
chr1	106811166	106811400	235	Carsat3	green	na
chr1	106811466	106812848	1383	Carsat3	green	na
chr1	106830192	106830408	217	Carsat3	green	na
chr1	106869827	106869989	163	Carsat3	green	na
chr1	106870252	106870438	187	Carsat3	green	na
chr1	106889640	106891010	1371	Carsat3	green	na
chr1	106922533	106922672	140	Carsat3	green	na
chr1	106922964	106923061	98	Carsat3	green	na
chr1	106942876	106944608	1733	Carsat3	green	na
chr1	106944637	106944746	110	Carsat3	green	na
chr1	106989896	106991448	1553	Carsat3	green	na
chr1	107006305	107006512	208	Carsat3	green	na
chr1	107006557	107006849	293	Carsat3	green	na
chr1	107007103	107007242	140	Carsat3	green	na

chr1	107028213	107028335	123	Carsat3	green	na
chr1	107041461	107043557	2097	Carsat3	green	na
chr1	107045190	107045316	127	Carsat3	green	na
chr1	107055599	107055806	208	Carsat3	green	na
chr1	107055820	107056221	402	Carsat3	green	na
chr1	107056399	107056538	140	Carsat3	green	na
chr1	107086669	107086793	125	Carsat3	green	na
chr1	107086987	107088208	1222	Carsat3	green	na
chr1	107101972	107102179	208	Carsat3	green	na
chr1	107102217	107102463	247	Carsat3	green	na
chr1	107124384	107124502	119	Carsat3	green	na
chr1	107124876	107125726	851	Carsat3	green	na
chr1	107172259	107172521	263	Carsat3	green	na
chr1	107172576	107174003	1428	Carsat3	green	na
chr1	107174030	107174156	127	Carsat3	green	na
chr1	107187349	107187469	121	Carsat3	green	na
chr1	107187562	107187802	241	Carsat3	green	na
chr1	107188022	107188129	108	Carsat3	green	na
chr1	107213945	107214076	132	Carsat3	green	na
chr1	107225331	107225564	234	Carsat3	green	na
chr1	107225733	107227169	1437	Carsat3	green	na
chr1	107235103	107235311	209	Carsat3	green	na
chr1	107235349	107235649	301	Carsat3	green	na
chr1	107274956	107276954	1999	Carsat3	green	na
chr1	107291449	107291656	208	Carsat3	green	na
chr1	107291694	107291954	261	Carsat3	green	na
chr1	107314168	107314401	234	Carsat3	green	na
chr1	107314486	107315624	1139	Carsat3	green	na
chr1	107327321	107327529	209	Carsat3	green	na
chr1	107327567	107327790	224	Carsat3	green	na
chr1	107354860	107355697	838	Carsat3	green	na
chr1	107400897	107401080	184	Carsat3	green	na
chr1	107401351	107401445	95	Carsat3	green	na
chr1	107401488	107403003	1516	Carsat3	green	na
chr1	107403125	107403251	127	Carsat3	green	na
chr1	107415959	107416491	533	Carsat3	green	na
chr1	107449809	107449885	77	Carsat3	green	na
chr1	107450185	107450971	787	Carsat3	green	na
chr1	107450998	107451133	136	Carsat3	green	na
chr1	107550116	107550209	94	Carsat3	green	na
chr1	107550278	107550985	708	Carsat3	green	na
chr1	107572059	107572145	87	Carsat3	green	na

chr1	107574643	107575903	1261	Carsat3	green	na
chr1	107683502	107684796	1295	Carsat3	green	na
chr1	107684883	107685048	166	Carsat3	green	na
chr1	107685276	107685342	67	Carsat3	green	na
chr1	107703730	107703840	111	Carsat3	green	na
chr1	107704016	107704910	895	Carsat3	green	na
chr1	107704925	107705822	898	Carsat3	green	na
chr1	107726186	107726313	128	Carsat3	green	na
chr1	107750926	107752306	1381	Carsat3	green	na
chr1	107791936	107792192	257	Carsat3	green	na
chr1	107792205	107792895	691	Carsat3	green	na
chr1	108001915	108002083	169	Carsat3	green	na
chr1	108002098	108002978	881	Carsat3	green	na
chr1	108019574	108019780	207	Carsat3	green	na
chr1	108019994	108021603	1610	Carsat3	green	na
chr1	108038555	108038649	95	Carsat3	green	na
chr1	108038759	108038832	74	Carsat3	green	na
chr1	108039223	108040448	1226	Carsat3	green	na
chr1	108059867	108060009	143	Carsat3	green	na
chr1	108060062	108061535	1474	Carsat3	green	na
chr1	108077906	108078771	866	Carsat3	green	na
chr1	108090274	108090394	121	Carsat3	green	na
chr1	108090570	108090758	189	Carsat3	green	na
chr1	108090919	108092000	1082	Carsat3	green	na
chr1	108115456	108115580	125	Carsat3	green	na
chr1	108115789	108116829	1041	Carsat3	green	na
chr1	108131616	108133049	1434	Carsat3	green	na
chr1	108161999	108163014	1016	Carsat3	green	na
chr1	108163248	108163372	125	Carsat3	green	na
chr1	108179364	108180611	1248	Carsat3	green	na
chr1	108180622	108180998	377	Carsat3	green	na
chr1	108181447	108181591	145	Carsat3	green	na
chr1	108202748	108204514	1767	Carsat3	green	na
chr1	108212720	108213045	326	Carsat3	green	na
chr1	108213056	108213185	130	Carsat3	green	na
chr1	108213362	108214002	641	Carsat3	green	na
chr1	108214174	108214324	151	Carsat3	green	na
chr1	108324771	108324849	79	Sat43CF	na	na
chr1	108339240	108339318	79	Sat43CF	na	na
chr1	108383905	108385325	1421	Carsat3	green	na
chr1	108511623	108511707	85	Sat42CF	na	na
chr1	108882454	108882835	382	Sat55CF	na	na

chr1	108882639	108882867	229	Sat55CF	na	na
chr1	109173980	109174112	133	Sat98CF	na	na
chr1	109421299	109422768	1470	Carsat3	green	na
chr1	109439204	109440146	943	Carsat3	green	na
chr1	109440171	109440652	482	Carsat3	green	na
chr1	109440739	109441229	491	Carsat3	green	na
chr1	109648845	109648888	44	Sat13CF	na	na
chr1	109786651	109786703	53	Sat32CF	na	na
chr1	109974224	109974279	56	Sat40CF	na	na
chr1	110832645	110832689	45	Carsat3	green	na
chr1	110833640	110833931	292	Carsat3	green	na
chr1	110834061	110834171	111	Carsat3	green	na
chr1	113526245	113526729	485	Sat12CF	na	na
chr1	113545997	113546073	77	Sat12CF	na	na
chr1	113546300	113546458	159	Sat12CF	na	na
chr1	113546391	113546469	79	Sat12CF	na	na
chr1	113546681	113546879	199	Sat12CF	na	na
chr1	113738757	113738965	209	Carsat3	green	na
chr1	113739015	113740130	1116	Carsat3	green	na
chr1	113777747	113777960	214	Carsat3	green	na
chr1	113778085	113778903	819	Carsat3	green	na
chr1	113809000	113809298	299	Carsat3	green	na
chr1	113809419	113810007	589	Carsat3	green	na
chr1	113871185	113872655	1471	Carsat3	green	na
chr1	113872686	113872915	230	Carsat3	green	na
chr1	113925627	113926924	1298	Carsat3	green	na
chr1	113975036	113975757	722	Carsat3	green	na
chr1	113975808	113975906	99	Carsat3	green	na
chr1	113987078	113988699	1622	Carsat3	green	na
chr1	114023566	114025194	1629	Carsat3	green	na
chr1	114046572	114046866	295	Carsat3	green	na
chr1	114046881	114048126	1246	Carsat3	green	na
chr1	114075345	114075952	608	Carsat3	green	na
chr1	114076056	114076451	396	Carsat3	green	na
chr1	114113572	114115079	1508	Carsat3	green	na
chr1	114176659	114177931	1273	Carsat3	green	na
chr1	114195488	114195671	184	Carsat3	green	na
chr1	114195686	114195906	221	Carsat3	green	na
chr1	114196024	114197448	1425	Carsat3	green	na
chr1	115828546	115828628	83	Sat18CF	na	na
chr1	116433804	116436461	2658	Carsat3	green	na
chr1	116812428	116812599	172	Sat5CF	stalk	na

chr1	117983451	117983968	518	Carsat3	green	na
chr1	117983984	117984666	683	Carsat3	green	na
chr1	117998020	118000197	2178	Carsat3	green	na
chr1	118032880	118034248	1369	Carsat3	green	na
chr1	118095854	118097883	2030	Carsat3	green	na
chr1	118158183	118159153	971	Carsat3	green	na
chr1	118171043	118171173	131	Carsat3	green	na
chr1	118214845	118215511	667	Carsat3	green	na
chr1	118215781	118216084	304	Carsat3	green	na
chr1	118257219	118257306	88	Carsat3	green	na
chr1	118257387	118258504	1118	Carsat3	green	na
chr1	118323848	118325476	1629	Carsat3	green	na
chr1	118403824	118404770	947	Carsat3	green	na
chr1	118423789	118425486	1698	Carsat3	green	na
chr1	118498930	118499279	350	Carsat3	green	na
chr1	118499295	118500370	1076	Carsat3	green	na
chr1	118534075	118534299	225	Carsat3	green	na
chr1	118534482	118534495	14	Carsat3	green	na
chr1	118534754	118535263	510	Carsat3	green	na
chr1	118535365	118535429	65	Carsat3	green	na
chr1	118535511	118535639	129	Carsat3	green	na
chr1	118551998	118553323	1326	Carsat3	green	na
chr1	118585108	118586397	1290	Carsat3	green	na
chr1	118629924	118631293	1370	Carsat3	green	na
chr1	118654760	118656173	1414	Carsat3	green	na
chr1	118696699	118697816	1118	Carsat3	green	na
chr1	118763467	118764025	559	Carsat3	green	na
chr1	118783715	118784600	886	Carsat3	green	na
chr1	118840666	118841956	1291	Carsat3	green	na
chr1	118880176	118881402	1227	Carsat3	green	na
chr1	118905438	118905521	84	Carsat3	green	na
chr1	118906367	118906455	89	Carsat3	green	na
chr1	118906584	118907702	1119	Carsat3	green	na
chr1	118947249	118948373	1125	Carsat3	green	na
chr1	119003207	119004077	871	Carsat3	green	na
chr1	119051704	119053158	1455	Carsat3	green	na
chr1	119099000	119099916	917	Carsat3	green	na
chr1	119100051	119100212	162	Carsat3	green	na
chr1	119186058	119186183	126	Carsat3	green	na
chr1	119186196	119187071	876	Carsat3	green	na
chr1	119213165	119214235	1071	Carsat3	green	na
chr1	119290289	119291607	1319	Carsat3	green	na

chr1	119308949	119309884	936	Carsat3	green	na
chr1	119309903	119310089	187	Carsat3	green	na
chr1	119319552	119320256	705	Carsat3	green	na
chr1	119368295	119369496	1202	Carsat3	green	na
chr1	119369536	119369769	234	Carsat3	green	na
chr1	119422069	119423174	1106	Carsat3	green	na
chr1	119643509	119643769	261	Sat21CF	na	na
chr1	120041826	120043074	1249	Sat126CF	na	na
chr1	120041960	120043722	1763	Sat126CF	na	na
chr1	120042141	120043938	1798	Sat126CF	na	na
chr1	120043275	120044017	743	Sat126CF	na	na
chr1	120332658	120333178	521	CarSat1	red	na
chr1	120494109	120495101	993	Carsat3	green	na
chr1	120495181	120495267	87	Carsat3	green	na
chr1	120503623	120504799	1177	Carsat3	green	na
chr1	120550589	120551757	1169	Carsat3	green	na
chr1	120632909	120633063	155	Carsat3	green	na
chr1	120633087	120634433	1347	Carsat3	green	na
chr1	120680264	120680912	649	Carsat3	green	na
chr1	120839130	120841069	1940	Sat77CF	na	na
chr1	120839341	120841435	2095	Sat77CF	na	na
chr1	120839737	120841855	2119	Sat77CF	na	na
chr1	120840105	120842231	2127	Sat77CF	na	na
chr1	120840476	120842574	2099	Sat77CF	na	na
chr1	120840898	120842958	2061	Sat77CF	na	na
chr1	120842775	120843205	431	Sat77CF	na	na
chr1	120843441	120843532	92	Sat77CF	na	na
chr1	121351289	121351317	29	Sat5CF	stalk	na
chr1	121351300	121351317	18	Sat5CF	stalk	na
chr1	121920304	121920471	168	SUBTEL_sa	na	na
chr1	121920512	121920838	327	SUBTEL_sa	na	na
chr1	121920885	121921032	148	SUBTEL_sa	na	na
chr1	121981697	121981800	104	Sat107CF	na	na
chr1	122337364	122337401	38	Sat72CF	na	na
chr1	122337895	122337967	73	Sat72CF	na	na
chr1	123352689	123352892	204	Sat37CF	na	na
chr1	123875374	123875822	449	Sat57CF	na	na
chr1	123875404	123875756	353	Sat57CF	na	na
chr1	124008473	124009972	1500	Sat14CF	na	na
chr1	124156855	124157343	489	Sat147CF	na	na
chr1	124872228	124872531	304	Sat53CF	na	na
chr1	124920462	124920569	108	Sat18CF	na	na

chr1	124921880	124922469	590 Sat34CF	na	na
chr1	124921959	124922469	511 Sat34CF	na	na
chr1	124922041	124922519	479 Sat34CF	na	na
chr1	125091305	125091480	176 Sat52CF	na	na
chr1	125429159	125429464	306 Sat106CF	na	na
chr1	125429208	125429458	251 Sat57CF	na	na
chr10	4838249	4838338	90 Sat62CF	na	pericen
chr10	8466362	8466949	588 CarSat1	red	na
chr10	10460678	10460774	97 SUBTEL_sa	na	na
chr10	12103412	12103452	41 Sat76CF	na	na
chr10	13163894	13164009	116 Carsat3	green	na
chr10	13821784	13822035	252 Sat6CF	select	na
chr10	13821814	13822664	851 Sat6CF	select	na
chr10	14173241	14173313	73 Sat86CF	na	na
chr10	15196626	15196739	114 Sat21CF	na	na
chr10	15744650	15744768	119 Sat27CF	na	na
chr10	16096201	16096656	456 Sat18CF	na	na
chr10	16344157	16344245	89 Sat136CF	na	na
chr10	16344169	16345308	1140 Sat136CF	na	na
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chr10	17277015	17277215	201 Sat178CF	na	na
chr10	17944026	17944247	222 Sat17CF	na	na
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chr10	18431449	18432042	594 Sat28CF	na	na
chr10	18431528	18432075	548 Sat28CF	na	na
chr10	18979638	18980334	697 Sat79CF	na	na
chr10	19396023	19396393	371 Sat7CF	lime	na
chr10	19721305	19722034	730 Sat53CF	na	na
chr10	20489596	20489680	85 Sat27CF	na	na
chr10	20489608	20490138	531 Sat18CF	na	na
chr10	20489687	20495352	5666 Sat27CF	na	na
chr10	20611930	20612362	433 Sat19CF	na	na
chr10	20613963	20613991	29 Sat52CF	na	na
chr10	20738021	20738279	259 SUBTEL_sa	na	na
chr10	20738285	20738403	119 Sat5CF	stalk	na
chr10	20738296	20738426	131 Sat5CF	stalk	na
chr10	20913306	20913728	423 Sat91CF	na	na
chr10	20913439	20913763	325 Sat39CF	na	na
chr10	21007751	21007769	19 Sat38CF	na	na
chr10	21134616	21135078	463 Sat104CF	na	na
chr10	21326916	21327115	200 Sat52CF	na	na

chr10	21327182	21327276	95 Sat52CF	na	na
chr10	21605904	21606114	211 Sat50CF	na	na
chr10	21764832	21765264	433 Sat4CF	lred	na
chr10	21870720	21871282	563 Sat124CF	na	na
chr10	21958637	21959612	976 Sat97CF	na	na
chr10	22061615	22061778	164 Sat5CF	stalk	na
chr10	23619507	23619776	270 Sat28CF	na	na
chr10	23869701	23869782	82 Sat88CF	na	na
chr10	24003733	24003790	58 Sat7CF	lime	na
chr10	24215061	24215405	345 Sat30CF	na	na
chr10	28424682	28424860	179 Sat95CF	na	na
chr10	28770729	28770822	94 Sat125CF	na	na
chr10	30500661	30500764	104 Sat13CF	na	na
chr10	31795115	31796167	1053 Sat99CF	na	na
chr10	37150427	37150585	159 Carsat2	orange	na
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chr10	37155489	37156478	990 Carsat2	orange	na
chr10	37156922	37157313	392 Carsat2	orange	na
chr10	37157340	37159280	1941 Carsat2	orange	na
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chr10	37181202	37181691	490 SAT1_CF	blue	na
chr10	37195616	37197906	2291 CarSat1	red	na
chr10	37198082	37198909	828 CarSat1	red	na
chr10	38313875	38313941	67 Sat45CF	na	na
chr10	38426662	38426692	31 Sat58CF	na	na
chr10	38828455	38828517	63 Sat26CF	na	na
chr10	40040466	40040518	53 Sat27CF	na	na
chr10	40918746	40918852	107 Sat95CF	na	na
chr10	42380155	42380282	128 Sat27CF	na	na
chr10	42957621	42957693	73 Sat154CF	na	na
chr10	43412297	43412344	48 Sat95CF	na	na
chr10	43737403	43737473	71 Sat98CF	na	na
chr10	45015113	45015386	274 Sat19CF	na	na
chr10	45015184	45015411	228 Sat19CF	na	na
chr10	45630565	45630614	50 Sat164CF	na	na
chr10	47379462	47379514	53 Sat98CF	na	na
chr10	48852810	48852859	50 Sat12CF	na	na
chr10	48852829	48852900	72 Sat12CF	na	na
chr10	49776716	49776793	78 Sat83CF	na	na
chr10	51630151	51630209	59 Sat95CF	na	na
chr10	57014876	57015388	513 Sat3CF	optpurple	na

chr10	57014965	57015388	424 Sat3CF	optpurple	na
chr10	57314841	57314882	42 Sat36CF	na	na
chr10	58967197	58967286	90 Sat153CF	na	na
chr10	59281460	59281548	89 Sat17CF	na	na
chr10	59282433	59282520	88 Sat17CF	na	na
chr10	63745703	63745780	78 Carsat3	green	na
chr10	67538181	67538571	391 Sat97CF	na	na
chr10	67658713	67659291	579 Sat19CF	na	na
chr10	68062999	68063073	75 Sat173CF	na	na
chr10	70331386	70331494	109 Sat24CF	na	na
chr10	70456777	70457116	340 Sat81CF	na	na
chr10	71212045	71212189	145 Sat50CF	na	na
chr10	71493837	71494401	565 Sat74CF	na	na
chr10	71731869	71732114	246 Sat79CF	na	na
chr10	71731915	71732143	229 Sat57CF	na	na
chr10	71872754	71873818	1065 Sat6CF	select	na
chr10	72015728	72016116	389 Sat52CF	na	na
chr10	72417808	72417858	51 Sat12CF	na	na
chr10	72473586	72473750	165 Carsat2	orange	na
chr10	72476204	72476285	82 Sat2CF	purple	na
chr10	72476220	72476287	68 Sat2CF	purple	na
chr11	3000259	3000664	406 CarSat1	red	pericen
chr11	3000845	3001233	389 CarSat1	red	pericen
chr11	3001254	3002275	1022 CarSat1	red	pericen
chr11	3002289	3002835	547 CarSat1	red	pericen
chr11	3003159	3003800	642 CarSat1	red	pericen
chr11	3003846	3004612	767 CarSat1	red	pericen
chr11	3004771	3005192	422 CarSat1	red	pericen
chr11	3013115	3013705	591 CarSat1	red	pericen
chr11	3013892	3013991	100 CarSat1	red	pericen
chr11	3014009	3015429	1421 CarSat1	red	pericen
chr11	3021038	3021200	163 Sat2CF	purple	pericen
chr11	3021065	3022121	1057 Sat2CF	purple	pericen
chr11	3022348	3023756	1409 SAT1_CF	blue	pericen
chr11	3023785	3024929	1145 CarSat1	red	pericen
chr11	3024950	3025687	738 CarSat1	red	pericen
chr11	3056872	3057038	167 Sat2CF	purple	pericen
chr11	3057294	3057782	489 Sat2CF	purple	pericen
chr11	3057784	3059187	1404 CarSat1	red	pericen
chr11	3059355	3059967	613 CarSat1	red	pericen
chr11	3060000	3060417	418 CarSat1	red	pericen
chr11	3061009	3062720	1712 Carsat2	orange	pericen

chr11	3062735	3063824	1090	Carsat2	orange	pericen
chr11	3063835	3064953	1119	Carsat2	orange	pericen
chr11	3064965	3067687	2723	Carsat2	orange	pericen
chr11	3067799	3068346	548	Carsat2	orange	pericen
chr11	3068938	3069194	257	Carsat2	orange	pericen
chr11	3081770	3082518	749	Carsat2	orange	pericen
chr11	3082561	3083887	1327	Carsat2	orange	pericen
chr11	3083925	3085026	1102	Carsat2	orange	pericen
chr11	3176796	3179007	2212	Carsat3	green	pericen
chr11	4837346	4837431	86	SUBTEL_sa	na	pericen
chr11	5273788	5273878	91	Sat89CF	na	na
chr11	5282966	5283211	246	CarSat1	red	na
chr11	5522751	5523861	1111	Carsat3	green	na
chr11	5546129	5547369	1241	Carsat3	green	na
chr11	5602210	5602725	516	Carsat3	green	na
chr11	5602814	5602943	130	Carsat3	green	na
chr11	5603120	5603295	176	Carsat3	green	na
chr11	5610151	5611252	1102	Carsat3	green	na
chr11	5637177	5638273	1097	Carsat3	green	na
chr11	5684442	5685666	1225	Carsat3	green	na
chr11	5919716	5919869	154	Carsat3	green	na
chr11	5919884	5921197	1314	Carsat3	green	na
chr11	9097016	9098050	1035	Sat174CF	na	na
chr11	9097957	9098062	106	Sat174CF	na	na
chr11	9799559	9799611	53	Sat7CF	lime	na
chr11	10764671	10764699	29	Sat156CF	na	na
chr11	17021209	17022290	1082	Sat148CF	na	na
chr11	17255787	17256042	256	Sat17CF	na	na
chr11	25374550	25374666	117	SAT1_CF	blue	na
chr11	28750097	28750137	41	Sat24CF	na	na
chr11	29816096	29816590	495	Carsat2	orange	na
chr11	29816955	29817353	399	Carsat2	orange	na
chr11	29838113	29839239	1127	Carsat2	orange	na
chr11	29839264	29839575	312	Carsat2	orange	na
chr11	29839770	29840032	263	Carsat2	orange	na
chr11	29840044	29841502	1459	Carsat2	orange	na
chr11	29841797	29842402	606	Carsat2	orange	na
chr11	29842434	29845639	3206	Carsat2	orange	na
chr11	29845796	29846667	872	Carsat2	orange	na
chr11	29846878	29847337	460	Carsat2	orange	na
chr11	29847528	29847687	160	Carsat2	orange	na
chr11	29847999	29848144	146	Carsat2	orange	na

chr11	29848349	29848637	289	Carsat2	orange	na
chr11	29848839	29848903	65	Carsat2	orange	na
chr11	29851482	29852138	657	Carsat2	orange	na
chr11	29852362	29854617	2256	Carsat2	orange	na
chr11	29854802	29855692	891	Carsat2	orange	na
chr11	29855992	29856647	656	Carsat2	orange	na
chr11	29856798	29857206	409	Carsat2	orange	na
chr11	29857826	29858268	443	Carsat2	orange	na
chr11	29859174	29860049	876	Carsat2	orange	na
chr11	29860128	29860459	332	Carsat2	orange	na
chr11	29864056	29866130	2075	Carsat2	orange	na
chr11	29866235	29868295	2061	Carsat2	orange	na
chr11	29868492	29869583	1092	Carsat2	orange	na
chr11	29869812	29871540	1729	Carsat2	orange	na
chr11	29871567	29872679	1113	Carsat2	orange	na
chr11	29872698	29873705	1008	Carsat2	orange	na
chr11	33707410	33707463	54	Sat45CF	na	na
chr11	34037161	34037270	110	Carsat3	green	na
chr11	34286400	34286526	127	Carsat3	green	na
chr11	36850653	36850729	77	Sat154CF	na	na
chr11	39488633	39488689	57	Sat88CF	na	na
chr11	40327916	40328190	275	Sat2CF	purple	na
chr11	41981950	41982017	68	Sat67CF	na	na
chr11	43577888	43578326	439	Sat75CF	na	na
chr11	43577904	43578091	188	Sat75CF	na	na
chr11	43577941	43579386	1446	Sat75CF	na	na
chr11	43578179	43579522	1344	Sat75CF	na	na
chr11	43725458	43726044	587	Sat75CF	na	na
chr11	43726203	43726458	256	Sat75CF	na	na
chr11	43976944	43976995	52	Sat33CF	na	na
chr11	47148638	47149649	1012	Sat185CF	na	na
chr11	48031402	48031478	77	Sat27CF	na	na
chr11	49136157	49136221	65	Sat107CF	na	na
chr11	50678043	50678088	46	Sat89CF	na	na
chr11	55234857	55234916	60	Sat19CF	na	na
chr11	55415393	55415674	282	Sat86CF	na	na
chr11	55415578	55415703	126	Sat86CF	na	na
chr11	61168411	61169812	1402	Carsat3	green	na
chr11	63939363	63939425	63	Sat116CF	na	na
chr11	64503727	64503793	67	SUBTEL_sa	na	na
chr11	66603051	66603366	316	Carsat2	orange	na
chr11	66937441	66937485	45	Sat155CF	na	na

chr11	69205315	69205454	140	Carsat3	green	na
chr11	69205545	69206586	1042	Carsat3	green	na
chr11	70426276	70427364	1089	Carsat3	green	na
chr11	70445975	70447089	1115	Carsat3	green	na
chr11	70472429	70473558	1130	Carsat3	green	na
chr11	70552255	70552399	145	Sat98CF	na	na
chr11	75815793	75815975	183	Sat52CF	na	na
chr11	76954939	76956270	1332	Sat81CF	na	na
chr11	76955980	76956306	327	Sat81CF	na	na
chr11	76963548	76963739	192	Sat69CF	na	na
chr12	3011881	3012190	310	Sat2CF	purple	pericen
chr12	3012537	3012887	351	Sat2CF	purple	pericen
chr12	3012541	3012850	310	Sat2CF	purple	pericen
chr12	3017337	3017835	499	SAT1_CF	blue	pericen
chr12	3020063	3021082	1020	CarSat1	red	pericen
chr12	3021114	3022050	937	CarSat1	red	pericen
chr12	3285634	3286151	518	Carsat2	orange	pericen
chr12	4191218	4191275	58	Sat30CF	na	pericen
chr12	4648661	4648881	221	Sat7CF	lime	pericen
chr12	5094937	5094983	47	Sat165CF	na	na
chr12	5713057	5713139	83	Sat179CF	na	na
chr12	5914290	5914384	95	Carsat3	green	na
chr12	6856555	6856674	120	Sat5CF	stalk	na
chr12	8116195	8116239	45	Sat10CF	na	na
chr12	8886180	8886297	118	Sat12CF	na	na
chr12	8886204	8886345	142	Sat12CF	na	na
chr12	8908056	8908122	67	Sat18CF	na	na
chr12	9567893	9567967	75	Sat12CF	na	na
chr12	9740747	9740845	99	Sat12CF	na	na
chr12	9740758	9740868	111	Sat12CF	na	na
chr12	9741005	9741130	126	Sat12CF	na	na
chr12	9741023	9741160	138	Sat12CF	na	na
chr12	10172826	10172887	62	Sat35CF	na	na
chr12	11100525	11100697	173	Sat12CF	na	na
chr12	11979641	11979693	53	Sat76CF	na	na
chr12	12050064	12050357	294	Sat12CF	na	na
chr12	12109700	12109794	95	Sat12CF	na	na
chr12	12265303	12265402	100	Sat12CF	na	na
chr12	12265460	12265680	221	Sat12CF	na	na
chr12	12265736	12265879	144	Sat12CF	na	na
chr12	12266243	12266441	199	Sat12CF	na	na
chr12	12468917	12469021	105	Sat50CF	na	na

chr12	12477056	12477264	209 Sat12CF	na	na
chr12	12534237	12534476	240 Sat12CF	na	na
chr12	12960525	12960712	188 Sat12CF	na	na
chr12	12960528	12960825	298 Sat12CF	na	na
chr12	13249122	13249163	42 Sat86CF	na	na
chr12	13639338	13639417	80 Sat38CF	na	na
chr12	14312328	14312528	201 Sat12CF	na	na
chr12	14312587	14312707	121 Sat12CF	na	na
chr12	14313461	14313623	163 Sat12CF	na	na
chr12	15163503	15163597	95 Sat63CF	na	na
chr12	15239596	15239687	92 Sat12CF	na	na
chr12	15265323	15265422	100 Sat12CF	na	na
chr12	15265326	15265440	115 Sat12CF	na	na
chr12	15373513	15373640	128 Sat12CF	na	na
chr12	15424128	15424305	178 Sat12CF	na	na
chr12	15424138	15424282	145 Sat12CF	na	na
chr12	15474999	15475193	195 Sat12CF	na	na
chr12	15475035	15475194	160 Sat12CF	na	na
chr12	15475389	15475501	113 Sat12CF	na	na
chr12	15493736	15493916	181 Sat12CF	na	na
chr12	15493738	15493986	249 Sat12CF	na	na
chr12	15494991	15495195	205 Sat12CF	na	na
chr12	15495002	15495225	224 Sat12CF	na	na
chr12	16057802	16057875	74 Sat27CF	na	na
chr12	20534833	20535037	205 Sat21CF	na	na
chr12	21567779	21567848	70 Sat57CF	na	na
chr12	23210809	23210894	86 Sat107CF	na	na
chr12	23931205	23931244	40 Sat36CF	na	na
chr12	27072415	27072528	114 SUBTEL_sa	na	na
chr12	30738598	30738678	81 Sat78CF	na	na
chr12	46185531	46185619	89 Sat88CF	na	na
chr12	46541069	46541126	58 Sat45CF	na	na
chr12	61561186	61561261	76 Sat18CF	na	na
chr12	68268120	68268438	319 Sat38CF	na	na
chr12	68325437	68325824	388 Sat24CF	na	na
chr12	69413527	69413627	101 Carsat3	green	na
chr12	71658036	71658207	172 Sat86CF	na	na
chr12	73048818	73049016	199 Sat182CF	na	na
chr12	73048819	73049046	228 Sat182CF	na	na
chr12	73060424	73061059	636 Sat38CF	na	na
chr12	73472399	73473547	1149 Sat124CF	na	na
chr12	73687256	73687720	465 Sat87CF	na	na

chr12	74490364	74490426	63 Sat14CF	na	na
chr12	74501888	74502015	128 Sat16CF	na	na
chr12	74616607	74616978	372 Sat44CF	na	na
chr12	75078509	75078844	336 Sat64CF	na	na
chr12	75078573	75080590	2018 Sat64CF	na	na
chr12	75080542	75080602	61 Sat64CF	na	na
chr12	75263979	75264142	164 Sat28CF	na	na
chr12	75414071	75414426	356 Sat43CF	na	na
chr12	75515042	75515260	219 Sat2CF	purple	na
chr13	3004284	3005170	887 Sat2CF	purple	pericen
chr13	3004839	3005207	369 Sat2CF	purple	pericen
chr13	3015092	3016101	1010 SAT1_CF	blue	pericen
chr13	3016120	3016665	546 SAT1_CF	blue	pericen
chr13	3016699	3019171	2473 SAT1_CF	blue	pericen
chr13	3019189	3020021	833 CarSat1	red	pericen
chr13	3027679	3030138	2460 CarSat1	red	pericen
chr13	3030151	3030338	188 CarSat1	red	pericen
chr13	3030527	3030983	457 CarSat1	red	pericen
chr13	4074234	4074280	47 CarSat1	red	pericen
chr13	8733409	8733609	201 SAT1_CF	blue	na
chr13	17119036	17119917	882 Sat7CF	lime	na
chr13	18230229	18230306	78 Sat27CF	na	na
chr13	19827874	19828111	238 CarSat1	red	na
chr13	23942011	23942157	147 Carsat3	green	na
chr13	23942261	23942563	303 Carsat3	green	na
chr13	24581498	24581768	271 Carsat3	green	na
chr13	24581944	24582036	93 Carsat3	green	na
chr13	26019581	26020484	904 Carsat3	green	na
chr13	26020513	26020693	181 Carsat3	green	na
chr13	32103319	32103378	60 Sat165CF	na	na
chr13	32103326	32103378	53 Sat165CF	na	na
chr13	32620227	32620281	55 Sat66CF	na	na
chr13	33487150	33487366	217 Sat4CF	lred	na
chr13	35039228	35039286	59 Sat177CF	na	na
chr13	36558518	36558560	43 Sat15CF	na	na
chr13	37527726	37527794	69 Sat5CF	stalk	na
chr13	37561181	37561404	224 Sat99CF	na	na
chr13	37561221	37561404	184 Sat99CF	na	na
chr13	38521030	38521152	123 Carsat3	green	na
chr13	38836141	38836322	182 Sat57CF	na	na
chr13	38836214	38836358	145 Sat57CF	na	na
chr13	38859032	38859181	150 Sat52CF	na	na

chr13	38886335	38886643	309 Sat153CF	na	na
chr13	38886514	38886668	155 Sat153CF	na	na
chr13	39081745	39082054	310 Sat30CF	na	na
chr13	39081855	39082054	200 Sat30CF	na	na
chr13	39081865	39082095	231 Sat30CF	na	na
chr13	39679102	39679279	178 Sat38CF	na	na
chr13	39679151	39679279	129 Sat38CF	na	na
chr13	40044455	40044702	248 Carsat3	green	na
chr13	40060578	40060968	391 Carsat3	green	na
chr13	40079345	40079844	500 Carsat3	green	na
chr13	40318673	40319828	1156 Carsat3	green	na
chr13	41048147	41048289	143 Sat72CF	na	na
chr13	41076529	41076859	331 Carsat3	green	na
chr13	41076873	41077314	442 Carsat3	green	na
chr13	41096821	41097733	913 Carsat3	green	na
chr13	41097763	41098194	432 Carsat3	green	na
chr13	41119471	41119657	187 Carsat3	green	na
chr13	41120029	41120241	213 Carsat3	green	na
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chr13	41161207	41161370	164 Carsat3	green	na
chr13	41161544	41161790	247 Carsat3	green	na
chr13	41161964	41162279	316 Carsat3	green	na
chr13	41193174	41194591	1418 Carsat3	green	na
chr13	41226049	41227573	1525 Carsat3	green	na
chr13	41227630	41227921	292 Carsat3	green	na
chr13	41862795	41863139	345 Sat18CF	na	na
chr13	41911320	41911462	143 SUBTEL_sa	na	na
chr13	42352824	42352906	83 SUBTEL_sa	na	na
chr13	42602537	42602612	76 Sat93CF	na	na
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chr13	43056775	43056943	169 Sat93CF	na	na
chr13	43056798	43056943	146 Sat93CF	na	na
chr13	46672473	46672514	42 Sat36CF	na	na
chr13	46905448	46906081	634 Sat16CF	na	na
chr13	50587200	50587242	43 Sat10CF	na	na
chr13	50811321	50811436	116 Carsat3	green	na
chr13	50811449	50811664	216 Carsat3	green	na
chr13	50812480	50812628	149 Carsat3	green	na
chr13	50812659	50812874	216 Carsat3	green	na
chr13	53853132	53853180	49 Sat5CF	stalk	na
chr13	62159329	62159581	253 Sat17CF	na	na
chr13	62902929	62902999	71 Sat78CF	na	na

chr13	65090231	65090289	59 Sat81CF	na	na
chr13	66071633	66071908	276 Carsat2	orange	na
chr13	66147457	66147741	285 Carsat2	orange	na
chr13	66154177	66157164	2988 Carsat2	orange	na
chr13	66158884	66160057	1174 Carsat2	orange	na
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chr13	66161199	66162962	1764 Carsat2	orange	na
chr13	66162993	66164326	1334 Carsat2	orange	na
chr13	66169359	66169920	562 Carsat2	orange	na
chr13	66170145	66171819	1675 Carsat2	orange	na
chr14	3299081	3300623	1543 CarSat1	red	pericen
chr14	3317694	3318009	316 SAT1_Cf	blue	pericen
chr14	3894407	3894432	26 Sat52CF	na	pericen
chr14	4076949	4077198	250 Carsat2	orange	pericen
chr14	4112314	4112925	612 Carsat2	orange	pericen
chr14	4127934	4129078	1145 Carsat2	orange	pericen
chr14	4129250	4129864	615 Carsat2	orange	pericen
chr14	4504529	4504672	144 Sat2CF	purple	pericen
chr14	5225161	5225986	826 CarSat1	red	na
chr14	10978894	10978961	68 Sat9CF	na	na
chr14	14975885	14977754	1870 Carsat2	orange	na
chr14	14977767	14979241	1475 Carsat2	orange	na
chr14	14979282	14980153	872 Carsat2	orange	na
chr14	15102161	15102258	98 Sat7CF	lime	na
chr14	15102771	15103890	1120 Carsat3	green	na
chr14	15354672	15354724	53 Sat65CF	na	na
chr14	21335038	21335068	31 Sat16CF	na	na
chr14	23365883	23365974	92 Carsat3	green	na
chr14	25267318	25268098	781 Sat10CF	na	na
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chr14	25267783	25268899	1117 Sat10CF	na	na
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chr14	25272440	25272502	63 Sat10CF	na	na
chr14	35403252	35403294	43 Sat27CF	na	na
chr14	37167383	37167418	36 Sat23CF	na	na
chr14	38767320	38767533	214 Sat17CF	na	na
chr14	39299267	39299545	279 Carsat2	orange	na

chr14	40578247	40578328	82 Sat27CF	na	na
chr14	40900865	40904124	3260 Sat7CF	lime	na
chr14	40903358	40904236	879 Sat7CF	lime	na
chr14	43269123	43269196	74 SUBTEL_sa	na	na
chr14	45573499	45573542	44 Sat104CF	na	na
chr14	49534481	49534544	64 Sat63CF	na	na
chr14	50015556	50015654	99 Carsat3	green	na
chr14	50164890	50164988	99 Sat72CF	na	na
chr14	51233291	51233529	239 Sat18CF	na	na
chr14	52572816	52572887	72 Sat17CF	na	na
chr14	52831830	52831923	94 Carsat3	green	na
chr14	52832457	52832597	141 Carsat3	green	na
chr14	54947531	54947682	152 Sat175CF	na	na
chr14	54947554	54948660	1107 Sat175CF	na	na
chr14	54948529	54948681	153 Sat175CF	na	na
chr14	59874306	59875091	786 Sat119CF	na	na
chr14	61890010	61890261	252 Sat87CF	na	na
chr14	61890015	61890388	374 Sat13CF	na	na
chr14	61936230	61937393	1164 Sat167CF	na	na
chr14	62813741	62814535	795 Sat47CF	na	na
chr14	62868764	62869481	718 Sat177CF	na	na
chr14	62868845	62869847	1003 Sat177CF	na	na
chr14	62909796	62910011	216 Sat153CF	na	na
chr14	63038368	63038599	232 Sat111CF	na	na
chr15	3013850	3014222	373 Sat2CF	purple	pericen
chr15	3157667	3158384	718 Sat7CF	lime	pericen
chr15	3519801	3519981	181 Carsat3	green	pericen
chr15	3520155	3520398	244 Carsat3	green	pericen
chr15	4304150	4304213	64 Sat21CF	na	pericen
chr15	4703456	4703737	282 Sat3CF	optpurple	pericen
chr15	5428139	5428252	114 Carsat3	green	na
chr15	5443377	5443509	133 Carsat3	green	na
chr15	5443557	5443900	344 Carsat3	green	na
chr15	5460542	5461344	803 Carsat3	green	na
chr15	5481261	5482052	792 Carsat3	green	na
chr15	5497476	5497613	138 Carsat3	green	na
chr15	5516317	5516495	179 Carsat3	green	na
chr15	5516510	5517085	576 Carsat3	green	na
chr15	5540282	5541058	777 Carsat3	green	na
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chr15	8428774	8428858	85 Sat41CF	na	na
chr15	8432900	8433719	820 Sat42CF	na	na

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chr15	9458634	9458703	70 Sat12CF	na	na
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chr15	10810543	10810788	246 Sat120CF	na	na
chr15	10837776	10838265	490 Sat176CF	na	na
chr15	11029946	11030364	419 Sat47CF	na	na
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chr15	11551926	11552122	197 Sat2CF	purple	na
chr15	11555987	11556073	87 SAT1_CF	blue	na
chr15	11577028	11577344	317 Carsat2	orange	na
chr15	11583177	11584028	852 CarSat1	red	na
chr15	11592289	11592422	134 CarSat1	red	na
chr15	11603798	11604195	398 Carsat2	orange	na
chr15	11614634	11614767	134 CarSat1	red	na
chr15	14830389	14830434	46 Carsat2	orange	na
chr15	14935970	14936033	64 Sat65CF	na	na
chr15	15299794	15300227	434 Sat49CF	na	na
chr15	15347654	15347748	95 Sat88CF	na	na
chr15	15861747	15861809	63 Sat4CF	lred	na
chr15	15861810	15862918	1109 Sat4CF	lred	na
chr15	16089668	16089761	94 Sat105CF	na	na
chr15	16863840	16863935	96 Sat179CF	na	na
chr15	18229806	18229862	57 Sat66CF	na	na
chr15	19117206	19117434	229 Sat17CF	na	na
chr15	20036504	20036850	347 Sat2CF	purple	na
chr15	20036521	20036827	307 Sat2CF	purple	na
chr15	20036592	20036786	195 Sat2CF	purple	na
chr15	20036608	20036810	203 Sat2CF	purple	na
chr15	20061982	20062256	275 Sat2CF	purple	na
chr15	20062017	20062325	309 Sat2CF	purple	na
chr15	20062124	20062364	241 Sat2CF	purple	na
chr15	20170497	20171370	874 Sat7CF	lime	na
chr15	21224262	21224422	161 Sat38CF	na	na
chr15	21224281	21224451	171 Sat44CF	na	na

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chr15	39669668	39669857	190 Sat17CF	na	na
chr15	41177645	41177755	111 Sat123CF	na	na
chr15	42767664	42767767	104 SUBTEL_sa	na	na
chr15	43555751	43555826	76 Sat143CF	na	na
chr15	43555759	43557906	2148 Sat143CF	na	na
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chr15	45701178	45702302	1125 Carsat2	orange	na
chr15	45702387	45703165	779 Carsat2	orange	na
chr15	45712720	45713301	582 Carsat2	orange	na
chr15	45713042	45713579	538 CarSat1	red	na
chr15	45713612	45716213	2602 CarSat1	red	na
chr15	45723672	45725271	1600 Carsat2	orange	na
chr15	45728380	45728942	563 Carsat2	orange	na
chr15	45729125	45729283	159 Carsat2	orange	na
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chr15	58985248	58985319	72 Sat42CF	na	na
chr15	64231612	64231654	43 Sat139CF	na	na
chr15	65801491	65801564	74 Sat47CF	na	na
chr15	66460358	66460719	362 Sat69CF	na	na
chr15	66481193	66481308	116 Sat21CF	na	na
chr15	66799958	66800308	351 Sat122CF	na	na
chr15	66809823	66810146	324 Sat19CF	na	na
chr15	66860536	66860589	54 Sat14CF	na	na
chr15	66994773	66994963	191 Sat74CF	na	na
chr15	66994873	66994971	99 Sat74CF	na	na
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chr16	3018075	3018582	508 Sat2CF	purple	pericen
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chr16	4477112	4477480	369 Sat7CF	lime	pericen
chr16	4684997	4686102	1106 Sat7CF	lime	pericen
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chr16	4760402	4760906	505 Sat7CF	lime	pericen

chr16	4760507	4760903	397 Sat7CF	lime	pericen
chr16	4760820	4760919	100 Sat7CF	lime	pericen
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chr16	5527425	5527472	48 Sat145CF	na	na
chr16	5638036	5638125	90 Sat36CF	na	na
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chr16	13578319	13578689	371 Sat7CF	lime	na
chr16	13629402	13629539	138 Sat7CF	lime	na
chr16	15335825	15335894	70 Sat12CF	na	na
chr16	16408200	16408460	261 Sat7CF	lime	na
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chr16	16841656	16842761	1106 Sat7CF	lime	na
chr16	16857395	16858348	954 Sat7CF	lime	na
chr16	16894931	16896038	1108 Sat7CF	lime	na
chr16	17121746	17121882	137 Carsat3	green	na
chr16	17122329	17122554	226 Carsat3	green	na
chr16	17486251	17486413	163 Carsat3	green	na
chr16	17638182	17638388	207 Carsat3	green	na
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chr16	20000734	20000829	96 Sat109CF	na	na
chr16	20046091	20046148	58 Sat95CF	na	na
chr16	20383689	20384897	1209 Sat108CF	na	na
chr16	20384667	20384944	278 Sat97CF	na	na
chr16	21028759	21028828	70 Sat48CF	na	na
chr16	21717670	21717860	191 Sat86CF	na	na
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chr16	22522829	22523009	181 Sat96CF	na	na
chr16	22820060	22820218	159 Sat120CF	na	na
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chr16	23503338	23503595	258 Sat14CF	na	na
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chr16	23913511	23913567	57 Sat67CF	na	na
chr16	24049095	24050014	920 Sat7CF	lime	na
chr16	24050209	24053043	2835 Sat7CF	lime	na
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chr16	24173082	24173828	747 Carsat2	orange	na

chr16	24175684	24176537	854 Carsat2	orange	na
chr16	24177548	24178859	1312 Sat2CF	purple	na
chr16	24177794	24179152	1359 Sat2CF	purple	na
chr16	24178341	24179699	1359 Sat2CF	purple	na
chr16	24179387	24180721	1335 Sat2CF	purple	na
chr16	24179726	24181060	1335 Sat2CF	purple	na
chr16	24179865	24181194	1330 Sat2CF	purple	na
chr16	24180476	24181279	804 Sat2CF	purple	na
chr16	24201006	24201046	41 SAT1_CF	blue	na
chr16	24201397	24201672	276 SAT1_CF	blue	na
chr16	24228259	24229226	968 CarSat1	red	na
chr16	24229248	24229963	716 CarSat1	red	na
chr16	24229982	24231021	1040 CarSat1	red	na
chr16	32420444	32420480	37 Sat33CF	na	na
chr16	33136981	33137670	690 Sat7CF	lime	na
chr16	33137457	33137700	244 Sat7CF	lime	na
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chr16	43017374	43017650	277 Sat7CF	lime	na
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chr16	44351042	44351380	339 Sat7CF	lime	na
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chr16	50273389	50273785	397 Sat7CF	lime	na
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chr16	53998626	53999187	562 Sat7CF	lime	na
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chr16	55239587	55240256	670 Sat7CF	lime	na
chr16	55239602	55240161	560 Sat7CF	lime	na
chr16	56344376	56344579	204 Sat168CF	na	na
chr16	56545950	56546304	355 Sat7CF	lime	na
chr16	56546100	56546343	244 Sat7CF	lime	na
chr16	56948284	56948817	534 Carsat3	green	na
chr16	56948854	56948986	133 Carsat3	green	na
chr16	56984092	56984629	538 Carsat3	green	na
chr16	56984660	56984769	110 Carsat3	green	na

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chr16	57002937	57003180	244 Sat7CF	lime	na
chr16	57181927	57182171	245 Sat94CF	na	na
chr16	57182102	57182191	90 Sat94CF	na	na
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chr16	58384593	58386112	1520 Sat107CF	na	na
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chr16	60118331	60118397	67 Sat152CF	na	na
chr16	61767620	61768712	1093 Sat141CF	na	na
chr16	61990969	61991273	305 Sat7CF	lime	na
chr16	61991067	61991304	238 Sat7CF	lime	na
chr16	62037819	62038488	670 Sat7CF	lime	na
chr16	62256782	62257451	670 Sat7CF	lime	na
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chr16	62330674	62330911	238 Sat7CF	lime	na
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chr16	62411432	62411669	238 Sat7CF	lime	na
chr16	62431597	62431970	374 Sat7CF	lime	na
chr16	62431636	62431979	344 Sat7CF	lime	na
chr17	3025673	3025870	198 Sat2CF	purple	pericen
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chr17	3259360	3259501	142 Sat132CF	na	pericen
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chr17	3614768	3616073	1306 Sat53CF	na	pericen
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chr17	3819169	3819273	105 Sat13CF	na	pericen
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chr17	4151311	4151808	498 Sat42CF	na	pericen
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chr17	4459732	4459899	168 Sat30CF	na	pericen
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chr17	5830795	5831038	244 Sat72CF	na	na
chr17	5831788	5832103	316 Sat72CF	na	na
chr17	5953254	5953409	156 Sat5CF	stalk	na
chr17	6255239	6255390	152 Sat5CF	stalk	na
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chr17	10124011	10124045	35 Sat74CF	na	na
chr17	10281805	10281868	64 Sat3CF	optpurple	na
chr17	10897165	10897237	73 Sat72CF	na	na
chr17	11228269	11228375	107 Sat83CF	na	na
chr17	13962264	13962626	363 Sat30CF	na	na
chr17	14693425	14693690	266 SAT1_CF	blue	na
chr17	17484532	17484597	66 Carsat3	green	na
chr17	18210504	18210547	44 Sat50CF	na	na
chr17	18608153	18608491	339 SAT1_CF	blue	na
chr17	21025833	21025923	91 Sat19CF	na	na
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chr17	24608365	24608578	214 Sat36CF	na	na
chr17	24724337	24724838	502 Sat36CF	na	na
chr17	25445728	25445990	263 CarSat1	red	na
chr17	26655510	26655598	89 Sat46CF	na	na

chr17	27741323	27741468	146 Sat57CF	na	na
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chr17	33483589	33483638	50 Sat12CF	na	na
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chr17	36337317	36337440	124 Carsat3	green	na
chr17	37049077	37049157	81 Sat43CF	na	na
chr17	37102356	37102448	93 CarSat1	red	na
chr17	37962463	37963432	970 Carsat3	green	na
chr17	37978502	37979244	743 Carsat3	green	na
chr17	37994277	37995078	802 Carsat3	green	na
chr17	38024200	38025246	1047 Carsat3	green	na
chr17	38025284	38025749	466 Carsat3	green	na
chr17	38562867	38562983	117 Sat55CF	na	na
chr17	40811729	40811812	84 Sat139CF	na	na
chr17	42521877	42521950	74 Sat32CF	na	na
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chr17	47587423	47587983	561 Carsat3	green	na
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chr17	54074411	54074586	176 Sat12CF	na	na
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chr17	54577853	54579865	2013 Carsat2	orange	na
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chr17	54582304	54583288	985 Carsat2	orange	na
chr17	54593796	54594363	568 Carsat2	orange	na
chr17	54752922	54753038	117 CarSat1	red	na
chr17	54753237	54753899	663 CarSat1	red	na

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chr17	55989829	55990217	389	Sat108CF	na	na
chr17	55989833	55990271	439	Sat108CF	na	na
chr17	58952463	58952509	47	CarSat1	red	na
chr17	62251548	62251735	188	SAT1_CF	blue	na
chr17	63360979	63361059	81	Sat137CF	na	na
chr17	63644793	63644944	152	Sat179CF	na	na
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chr17	64392082	64392381	300	Sat66CF	na	na
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chr17	64397663	64398989	1327	Sat46CF	na	na
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chr17	65113602	65113796	195	Carsat2	orange	na
chr17	65114038	65114142	105	Carsat2	orange	na
chr17	65123546	65123868	323	Carsat2	orange	na
chr17	65127180	65127284	105	Carsat2	orange	na
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chr17	65526682	65526744	63	Sat88CF	na	na
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chr17	66617264	66617500	237	Sat21CF	na	na
chr17	66759009	66759054	46	Sat46CF	na	na
chr17	67105637	67105673	37	CarSat1	red	na
chr17	67105880	67107084	1205	CarSat1	red	na
chr17	67107118	67107178	61	CarSat1	red	na
chr17	67107361	67109024	1664	CarSat1	red	na
chr17	67109053	67110025	973	CarSat1	red	na
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chr17	67112785	67112810	26	CarSat1	red	na
chr17	67167062	67167945	884	Sat7CF	lime	na
chr17	67249212	67250085	874	Sat7CF	lime	na
chr18	3260802	3260986	185	Sat42CF	na	pericen
chr18	3677981	3678050	70	Sat26CF	na	pericen
chr18	3686680	3686883	204	Sat17CF	na	pericen
chr18	3784109	3784307	199	Sat30CF	na	pericen
chr18	4136273	4136497	225	Sat4CF	lred	pericen
chr18	4136307	4136507	201	Sat4CF	lred	pericen
chr18	4136791	4136927	137	Sat4CF	lred	pericen
chr18	4879606	4879850	245	CarSat1	red	pericen
chr18	4884752	4884925	174	Sat166CF	na	pericen
chr18	5074253	5074305	53	Sat5CF	stalk	na
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chr18	5393240	5393392	153	Sat74CF	na	na
chr18	5393249	5393410	162	Sat74CF	na	na
chr18	5581044	5583739	2696	Sat60CF	na	na
chr18	5585845	5586225	381	Sat97CF	na	na
chr18	5586438	5586527	90	Sat60CF	na	na
chr18	5839581	5840108	528	Sat51CF	na	na
chr18	6605109	6605202	94	Carsat3	green	na
chr18	6605241	6605365	125	Carsat3	green	na
chr18	6792733	6792776	44	Sat26CF	na	na
chr18	7348661	7348705	45	Sat94CF	na	na
chr18	8048528	8048582	55	Sat19CF	na	na
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chr18	8500639	8500995	357	Sat14CF	na	na
chr18	8500730	8501036	307	Sat14CF	na	na
chr18	8504438	8504729	292	Sat14CF	na	na
chr18	8504545	8504729	185	Sat14CF	na	na
chr18	8505070	8505942	873	Sat14CF	na	na
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chr18	8507978	8508265	288	Sat14CF	na	na
chr18	8508381	8508705	325	Sat14CF	na	na
chr18	8509641	8509884	244	Sat14CF	na	na
chr18	8509750	8509977	228	Sat14CF	na	na
chr18	12564738	12564778	41	Sat118CF	na	na
chr18	13115218	13115446	229	Sat34CF	na	na
chr18	14365394	14365525	132	Sat55CF	na	na
chr18	15128735	15128825	91	Sat66CF	na	na
chr18	15927614	15927911	298	Sat178CF	na	na
chr18	17501262	17501319	58	Sat18CF	na	na

chr18	18124703	18124753	51 Sat139CF	na	na
chr18	18633707	18634050	344 Sat28CF	na	na
chr18	18684816	18685022	207 Carsat3	green	na
chr18	18913003	18913098	96 Sat39CF	na	na
chr18	19262064	19262117	54 Sat154CF	na	na
chr18	19587081	19587402	322 Carsat3	green	na
chr18	26861632	26861748	117 Sat128CF	na	na
chr18	28202993	28203030	38 CarSat1	red	na
chr18	28205692	28206452	761 CarSat1	red	na
chr18	28247525	28248708	1184 SAT1_CF	blue	na
chr18	28250925	28251354	430 Sat2CF	purple	na
chr18	28250983	28251375	393 Sat2CF	purple	na
chr18	28251051	28251450	400 Sat2CF	purple	na
chr18	28295856	28296417	562 CarSat1	red	na
chr18	28296446	28297494	1049 SAT1_CF	blue	na
chr18	28297537	28299570	2034 SAT1_CF	blue	na
chr18	28299615	28300658	1044 SAT1_CF	blue	na
chr18	28303739	28303934	196 CarSat1	red	na
chr18	28305260	28305611	352 Sat2CF	purple	na
chr18	28310054	28310483	430 SAT1_CF	blue	na
chr18	28532977	28533594	618 Sat102CF	na	na
chr18	28558306	28558574	269 Sat39CF	na	na
chr18	28558336	28558570	235 Sat42CF	na	na
chr18	28622360	28622833	474 SAT1_CF	blue	na
chr18	28641528	28641968	441 Sat74CF	na	na
chr18	28651815	28652600	786 Sat179CF	na	na
chr18	29467122	29467439	318 Sat18CF	na	na
chr18	31190656	31190691	36 Sat108CF	na	na
chr18	35405478	35405514	37 Sat8CF	dgreen	na
chr18	36928025	36928144	120 Carsat2	orange	na
chr18	48287405	48288641	1237 Sat80CF	na	na
chr18	48288620	48288697	78 Sat80CF	na	na
chr18	48401736	48402682	947 Sat158CF	na	na
chr18	48402700	48403638	939 Sat158CF	na	na
chr18	48512981	48513295	315 Sat56CF	na	na
chr18	48513770	48514043	274 Sat56CF	na	na
chr18	48514256	48514556	301 Sat56CF	na	na
chr18	48515655	48516112	458 Sat73CF	na	na
chr18	48516297	48516383	87 Sat73CF	na	na
chr18	48516362	48516719	358 Sat56CF	na	na
chr18	48516824	48517065	242 Sat73CF	na	na
chr18	48517530	48518035	506 Sat73CF	na	na

chr18	48518285	48518642	358 Sat56CF	na	na
chr18	48557535	48557995	461 Sat56CF	na	na
chr18	48558202	48558541	340 Sat56CF	na	na
chr18	48558957	48559292	336 Sat56CF	na	na
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chr18	48559802	48560397	596 Sat56CF	na	na
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chr18	48803963	48804124	162 Sat131CF	na	na
chr18	49005547	49005795	249 Sat49CF	na	na
chr18	49118425	49118646	222 Sat39CF	na	na
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chr18	49235780	49236930	1151 Sat59CF	na	na
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chr18	49712073	49713167	1095 Sat145CF	na	na
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chr18	49712322	49713440	1119 Sat145CF	na	na
chr18	49712966	49713511	546 Sat145CF	na	na
chr18	50193219	50193279	61 SAT1_CF	blue	na
chr18	50216103	50216163	61 SAT1_CF	blue	na
chr18	50270772	50271881	1110 Sat4CF	lred	na
chr18	50324636	50324709	74 Sat156CF	na	na
chr18	51902319	51902380	62 Sat2CF	purple	na
chr18	51987446	51987733	288 Sat5CF	stalk	na
chr18	54236006	54236099	94 Sat21CF	na	na
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chr18	54583490	54583544	55 Sat130CF	na	na
chr18	54821088	54821154	67 Sat101CF	na	na
chr18	55413907	55413949	43 Sat172CF	na	na
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chr18	57109208	57109312	105 Sat52CF	na	na
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chr18	57128787	57130899	2113 Sat25CF	na	na
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chr18	57131196	57133243	2048 Sat25CF	na	na

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chr18	57135840	57137729	1890 Sat25CF	na	na
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chr18	57139244	57139309	66 Sat25CF	na	na
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chr18	57139259	57139593	335 Sat25CF	na	na
chr18	57139517	57139870	354 Sat25CF	na	na
chr18	57140568	57140610	43 Sat25CF	na	na
chr18	57608800	57608878	79 Sat94CF	na	na
chr18	57927175	57927208	34 Sat56CF	na	na
chr18	58597350	58597393	44 Sat46CF	na	na
chr18	58805798	58807585	1788 SAT1_CF	blue	na
chr18	58853261	58853689	429 SAT1_CF	blue	na
chr18	58858173	58858960	788 Sat2CF	purple	na
chr18	58858641	58859019	379 Sat2CF	purple	na
chr19	3577151	3577645	495 Sat65CF	na	pericen
chr19	4285599	4285658	60 Sat69CF	na	pericen
chr19	4398499	4398938	440 Sat13CF	na	pericen
chr19	5050734	5050795	62 Sat5CF	stalk	na
chr19	5947085	5947123	39 Sat52CF	na	na
chr19	6197701	6199159	1459 Sat114CF	na	na
chr19	6874395	6874481	87 Sat164CF	na	na
chr19	6972715	6972759	45 Sat26CF	na	na
chr19	10879435	10880263	829 Sat52CF	na	na
chr19	10879680	10880277	598 Sat52CF	na	na
chr19	14924864	14924924	61 Sat4CF	lred	na
chr19	15739303	15739668	366 CarSat1	red	na
chr19	16800579	16800622	44 Sat26CF	na	na
chr19	22324596	22324702	107 Carsat3	green	na
chr19	26542660	26542787	128 Sat37CF	na	na
chr19	26855850	26855900	51 Sat38CF	na	na
chr19	31843478	31843699	222 Sat17CF	na	na
chr19	38530554	38530611	58 Sat27CF	na	na
chr19	41512190	41512237	48 Sat35CF	na	na
chr19	42148352	42148611	260 Sat94CF	na	na
chr19	44158108	44158165	58 Sat33CF	na	na
chr19	53319043	53319962	920 Sat106CF	na	na
chr19	55022194	55022242	49 Sat18CF	na	na
chr2	5060246	5060371	126 Sat42CF	na	na
chr2	7567404	7567660	257 Sat15CF	na	na

chr2	7587487	7587848	362 Sat15CF	na	na
chr2	9367110	9367439	330 Sat15CF	na	na
chr2	9367542	9367822	281 Sat15CF	na	na
chr2	12567322	12567405	84 Sat17CF	na	na
chr2	12567465	12567586	122 Sat17CF	na	na
chr2	12904247	12904326	80 Sat72CF	na	na
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chr2	17217586	17217911	326 Sat15CF	na	na
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chr2	18804846	18805412	567 Sat21CF	na	na
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chr2	22056588	22056717	130 Carsat2	orange	na
chr2	22883753	22884384	632 Sat41CF	na	na
chr2	22883819	22884433	615 Sat83CF	na	na
chr2	24847784	24847848	65 Sat39CF	na	na
chr2	27754897	27755164	268 SAT1_CF	blue	na
chr2	28360327	28361335	1009 Sat135CF	na	na
chr2	28360347	28360736	390 Sat135CF	na	na
chr2	28360437	28361491	1055 Sat135CF	na	na
chr2	31528672	31528859	188 Sat74CF	na	na
chr2	31598405	31598461	57 Sat86CF	na	na
chr2	32031905	32032482	578 Sat94CF	na	na
chr2	32031964	32032136	173 Sat94CF	na	na
chr2	32032008	32032222	215 Sat94CF	na	na
chr2	32032123	32032491	369 Sat94CF	na	na
chr2	32697445	32697604	160 SAT1_CF	blue	na
chr2	32756137	32756193	57 Sat27CF	na	na
chr2	33088298	33088460	163 Sat23CF	na	na
chr2	33960643	33960710	68 Sat36CF	na	na
chr2	34298767	34298823	57 Sat67CF	na	na
chr2	34356917	34357023	107 Carsat3	green	na
chr2	34378160	34378395	236 Sat39CF	na	na
chr2	35027358	35028056	699 Sat21CF	na	na
chr2	35589453	35589818	366 HSATII	na	na
chr2	36408934	36409032	99 Sat72CF	na	na
chr2	36668888	36669025	138 Sat5CF	stalk	na
chr2	36740006	36740207	202 Sat5CF	stalk	na
chr2	37170043	37170146	104 Sat5CF	stalk	na

chr2	37310865	37311052	188 Sat176CF	na	na
chr2	37515234	37515361	128 Sat2CF	purple	na
chr2	37515245	37515300	56 Sat2CF	purple	na
chr2	37820455	37820536	82 Sat12CF	na	na
chr2	38743097	38743383	287 Carsat3	green	na
chr2	38743429	38743637	209 Carsat3	green	na
chr2	38743753	38743884	132 Carsat3	green	na
chr2	38744082	38744219	138 Carsat3	green	na
chr2	39113022	39113150	129 Carsat3	green	na
chr2	39113571	39113708	138 Carsat3	green	na
chr2	39113977	39114111	135 Carsat3	green	na
chr2	39114219	39114348	130 Carsat3	green	na
chr2	39137368	39137708	341 CarSat1	red	na
chr2	43484353	43484413	61 CarSat1	red	na
chr2	50037464	50037643	180 Carsat3	green	na
chr2	50715784	50715840	57 Sat32CF	na	na
chr2	52964828	52965169	342 Sat85CF	na	na
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chr2	60176622	60176753	132 Sat123CF	na	na
chr2	60273097	60273437	341 Carsat2	orange	na
chr2	60288554	60289670	1117 SAT1_CF	blue	na
chr2	60295105	60295284	180 Sat2CF	purple	na
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chr2	60471546	60471686	141 Sat2CF	purple	na
chr2	60471627	60471704	78 Sat2CF	purple	na
chr2	60471707	60472711	1005 SAT1_CF	blue	na
chr2	60586155	60586496	342 Sat2CF	purple	na
chr2	60586194	60586481	288 Sat2CF	purple	na
chr2	60606577	60606872	296 Sat2CF	purple	na
chr2	60606600	60606797	198 Sat2CF	purple	na
chr2	60672499	60672786	288 Sat7CF	lime	na
chr2	60672505	60672890	386 Sat7CF	lime	na

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chr2	60814829	60815224	396	CarSat1	red	na
chr2	60815516	60815705	190	CarSat1	red	na
chr2	60815888	60816695	808	CarSat1	red	na
chr2	60816892	60817217	326	CarSat1	red	na
chr2	60818031	60818323	293	CarSat1	red	na
chr2	60818352	60819345	994	CarSat1	red	na
chr2	61401180	61401218	39	Sat97CF	na	na
chr2	63983939	63984013	75	Sat91CF	na	na
chr2	64619081	64619115	35	Sat32CF	na	na
chr2	67142776	67142833	58	Carsat3	green	na
chr2	67830933	67831094	162	Sat12CF	na	na
chr2	68758750	68758907	158	Sat93CF	na	na
chr2	69148600	69148662	63	Sat169CF	na	na
chr2	69208364	69208552	189	Sat30CF	na	na
chr2	70828903	70829421	519	Carsat3	green	na
chr2	70829582	70829939	358	Carsat3	green	na
chr2	71866498	71866694	197	Sat12CF	na	na
chr2	71866534	71866672	139	Sat12CF	na	na
chr2	72640423	72640489	67	Sat51CF	na	na
chr2	72901141	72901230	90	Sat132CF	na	na
chr2	73138718	73138932	215	CarSat1	red	na
chr2	75571102	75571220	119	Sat12CF	na	na
chr2	75602161	75602232	72	Sat12CF	na	na
chr2	75619867	75619936	70	Sat12CF	na	na
chr2	76036300	76036359	60	Sat86CF	na	na
chr2	76119475	76119619	145	Sat12CF	na	na
chr2	78377054	78377871	818	Sat12CF	na	na
chr2	78377535	78377910	376	Sat12CF	na	na
chr2	78392543	78392612	70	Sat12CF	na	na
chr2	78886317	78886414	98	Sat12CF	na	na
chr2	78947384	78948366	983	Carsat3	green	na
chr2	79026427	79026572	146	Carsat3	green	na
chr2	79271728	79271905	178	Sat17CF	na	na
chr2	79440859	79440982	124	Sat12CF	na	na
chr2	80424861	80425036	176	Sat13CF	na	na
chr2	81580066	81580270	205	Sat41CF	na	na
chr2	82773284	82773342	59	Sat21CF	na	na
chr2	82776087	82776142	56	Sat18CF	na	na
chr2	82871828	82872177	350	Sat12CF	na	na
chr2	83033206	83033574	369	Sat83CF	na	na

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chr2	83554978	83555156	179 Sat12CF	na	na
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chr2	86506654	86506735	82 Sat16CF	na	na
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chr20	3010613	3012045	1433 CarSat1	red	pericen
chr20	3027577	3028493	917 Carsat3	green	pericen
chr20	3047775	3049348	1574 Carsat3	green	pericen
chr20	3049360	3049608	249 Carsat3	green	pericen
chr20	3074009	3074127	119 Carsat3	green	pericen
chr20	3087038	3087916	879 Carsat3	green	pericen
chr20	3747432	3747520	89 SUBTEL_sa	na	pericen
chr20	4095147	4095227	81 Sat18CF	na	pericen
chr20	5686355	5686450	96 Sat62CF	na	na
chr20	5914346	5914401	56 Sat185CF	na	na
chr20	6265128	6265167	40 Sat5CF	stalk	na
chr20	6579584	6579623	40 Sat32CF	na	na
chr20	7165609	7165775	167 Carsat3	green	na
chr20	11632688	11633434	747 CarSat1	red	na
chr20	14061927	14061983	57 Sat128CF	na	na
chr20	16381027	16381079	53 Sat56CF	na	na
chr20	18869404	18869470	67 Sat19CF	na	na
chr20	23575206	23575265	60 Sat71CF	na	na
chr20	33078451	33078594	144 CarSat1	red	na
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chr20	46541975	46542781	807 Carsat3	green	na
chr20	46554641	46555833	1193 Carsat3	green	na
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chr20	47754062	47754225	164 Sat70CF	na	na
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chr20	47754550	47756443	1894 Sat70CF	na	na
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chr20	47755876	47757567	1692 Sat70CF	na	na
chr20	47757250	47757631	382 Sat70CF	na	na
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chr20	50985118	50985485	368 Carsat3	green	na
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chr20	52223534	52223721	188 Sat55CF	na	na
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chr20	52539492	52541145	1654 Carsat3	green	na
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chr20	52583054	52583144	91 Carsat3	green	na
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chr20	52637984	52638119	136 Carsat3	green	na
chr20	52672674	52672798	125 Carsat3	green	na
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chr20	52673190	52673438	249 Carsat3	green	na
chr20	52673619	52673769	151 Carsat3	green	na
chr20	52690978	52691505	528 Carsat3	green	na
chr20	52691679	52691742	64 Carsat3	green	na
chr20	52691846	52692128	283 Carsat3	green	na
chr20	52742215	52743713	1499 Carsat3	green	na

chr20	52980796	52980898	103 Sat12CF	na	na
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chr20	53089496	53089814	319 Sat12CF	na	na
chr20	53705086	53705175	90 Sat5CF	stalk	na
chr20	54209408	54210055	648 Carsat3	green	na
chr20	54210215	54210336	122 Carsat3	green	na
chr20	54214405	54214502	98 Carsat3	green	na
chr20	54242484	54243346	863 Carsat3	green	na
chr20	54244265	54244388	124 Carsat3	green	na
chr20	54298983	54299110	128 Carsat3	green	na
chr20	54299242	54300284	1043 Carsat3	green	na
chr20	54300320	54300425	106 Carsat3	green	na
chr20	54320168	54320966	799 Carsat3	green	na
chr20	54321115	54321215	101 Carsat3	green	na
chr20	54321245	54321383	139 Carsat3	green	na
chr20	54346220	54346421	202 Carsat3	green	na
chr20	54346652	54347104	453 Carsat3	green	na
chr20	54347277	54347330	54 Carsat3	green	na
chr20	54347773	54347900	128 Carsat3	green	na
chr20	54373700	54375164	1465 Carsat3	green	na
chr20	54511302	54512526	1225 Carsat3	green	na
chr20	54512592	54512687	96 Carsat3	green	na
chr20	54569587	54570138	552 Carsat3	green	na
chr20	54570172	54570729	558 Carsat3	green	na
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chr20	54792852	54800504	7653 Sat32CF	na	na
chr20	54799019	54800737	1719 Sat32CF	na	na
chr20	54808022	54808089	68 Sat35CF	na	na
chr20	54915177	54915964	788 Carsat3	green	na
chr20	54916615	54916915	301 Carsat3	green	na
chr20	56470244	56470295	52 Sat8CF	dgreen	na
chr20	56652978	56653022	45 Sat13CF	na	na
chr20	56678415	56678515	101 Sat55CF	na	na
chr20	56748192	56748253	62 Sat27CF	na	na
chr20	56974345	56974469	125 Sat52CF	na	na
chr20	57003760	57004040	281 Carsat3	green	na
chr20	57004222	57004353	132 Carsat3	green	na
chr20	57534243	57534675	433 Sat98CF	na	na
chr20	57534296	57534722	427 Sat30CF	na	na
chr20	58142641	58143737	1097 Sat67CF	na	na
chr20	58142783	58146410	3628 Sat67CF	na	na
chr20	58145555	58146544	990 Sat67CF	na	na

chr20	58288272	58288442	171 Sat42CF	na	na
chr20	58311692	58311857	166 Sat12CF	na	na
chr20	58311739	58311904	166 Sat12CF	na	na
chr20	58312094	58312357	264 Sat12CF	na	na
chr20	58895361	58895584	224 Sat58CF	na	na
chr20	58895384	58896603	1220 Sat58CF	na	na
chr20	58896800	58897902	1103 Sat58CF	na	na
chr20	58897904	58898494	591 Sat58CF	na	na
chr20	59369082	59369282	201 Carsat3	green	na
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chr20	59418692	59420211	1520 Carsat3	green	na
chr20	59424563	59424756	194 Carsat3	green	na
chr20	59424878	59425416	539 Carsat3	green	na
chr20	59425694	59425788	95 Carsat3	green	na
chr20	59460314	59460421	108 Carsat3	green	na
chr20	59460465	59461456	992 Carsat3	green	na
chr20	59477057	59478242	1186 Carsat3	green	na
chr20	59504628	59505770	1143 Carsat3	green	na
chr20	59505808	59506016	209 Carsat3	green	na
chr20	59524059	59524730	672 Carsat3	green	na
chr20	59924255	59924605	351 CarSat1	red	na
chr20	60721387	60721442	56 Sat93CF	na	na
chr20	60721405	60722557	1153 Sat93CF	na	na
chr20	60722517	60722576	60 Sat93CF	na	na
chr20	60941879	60941940	62 Sat50CF	na	na
chr21	3049332	3051759	2428 SAT1_CF	blue	pericen
chr21	3055992	3057446	1455 CarSat1	red	pericen
chr21	3057733	3057975	243 CarSat1	red	pericen
chr21	5636472	5636563	92 Carsat3	green	na
chr21	8738301	8738355	55 Sat59CF	na	na
chr21	12562967	12563160	194 CarSat1	red	na
chr21	16509402	16509445	44 Sat91CF	na	na
chr21	19212344	19212772	429 Carsat3	green	na
chr21	19366508	19366578	71 Sat30CF	na	na
chr21	22695438	22695510	73 Sat32CF	na	na
chr21	23192527	23192587	61 Sat49CF	na	na
chr21	23259386	23259552	167 SAT1_CF	blue	na
chr21	26235725	26235891	167 Sat12CF	na	na
chr21	26265564	26265902	339 Sat12CF	na	na
chr21	26271773	26272053	281 Carsat3	green	na
chr21	26345098	26345197	100 Sat12CF	na	na
chr21	26365567	26365648	82 HSATII	na	na

chr21	26365669	26365830	162 HSATII	na	na
chr21	27962391	27962476	86 Sat5CF	stalk	na
chr21	29935314	29935360	47 Sat45CF	na	na
chr21	30239614	30240225	612 Sat7CF	lime	na
chr21	32127159	32127214	56 CarSat1	red	na
chr21	32537465	32537794	330 Sat17CF	na	na
chr21	33868637	33869135	499 Carsat3	green	na
chr21	33881688	33882481	794 Carsat3	green	na
chr21	33882506	33882672	167 Carsat3	green	na
chr21	34127859	34128079	221 Sat17CF	na	na
chr21	34989141	34989238	98 Sat21CF	na	na
chr21	35117841	35117920	80 Sat19CF	na	na
chr21	38915257	38916138	882 Sat28CF	na	na
chr21	38915266	38915961	696 Sat41CF	na	na
chr21	39317524	39317586	63 Sat39CF	na	na
chr21	39318012	39318257	246 Sat39CF	na	na
chr21	39318085	39318244	160 Sat39CF	na	na
chr21	40006770	40006811	42 Sat12CF	na	na
chr21	41377160	41377232	73 Sat108CF	na	na
chr21	43121421	43121573	153 Carsat2	orange	na
chr21	43189990	43190140	151 Sat12CF	na	na
chr21	43190021	43190165	145 Sat12CF	na	na
chr21	44556987	44557039	53 Sat4CF	lred	na
chr21	46491993	46492051	59 Sat137CF	na	na
chr21	48338809	48339049	241 Carsat3	green	na
chr21	48339312	48339467	156 Carsat3	green	na
chr21	51206572	51206977	406 Sat38CF	na	na
chr21	52067252	52068004	753 Sat131CF	na	na
chr21	53446494	53446711	218 Sat4CF	lred	na
chr21	53446524	53446763	240 Sat4CF	lred	na
chr22	3008788	3009787	1000 Sat29CF	na	pericen
chr22	3008996	3009994	999 Sat29CF	na	pericen
chr22	3019626	3019954	329 Sat23CF	na	pericen
chr22	3243165	3243262	98 Sat21CF	na	pericen
chr22	3786654	3787154	501 Sat38CF	na	pericen
chr22	4046644	4046890	247 Sat49CF	na	pericen
chr22	4047635	4047805	171 Sat4CF	lred	pericen
chr22	4047657	4047805	149 Sat4CF	lred	pericen
chr22	4202328	4202943	616 Sat97CF	na	pericen
chr22	4239319	4239397	79 Sat72CF	na	pericen
chr22	5097819	5097979	161 Sat19CF	na	na
chr22	5793449	5793899	451 Sat131CF	na	na

chr22	7806239	7806339	101 Sat21CF	na	na
chr22	8675524	8676004	481 CarSat1	red	na
chr22	11244780	11244838	59 Sat122CF	na	na
chr22	11654256	11654319	64 Sat33CF	na	na
chr22	12334656	12334727	72 Sat14CF	na	na
chr22	23781389	23781580	192 Sat17CF	na	na
chr22	24312480	24312527	48 Sat108CF	na	na
chr22	25376898	25376931	34 Sat138CF	na	na
chr22	33267830	33268142	313 SAT1_CF	blue	na
chr22	33349103	33349160	58 Sat5CF	stalk	na
chr22	34021802	34021853	52 CarSat1	red	na
chr22	50692578	50692644	67 Sat91CF	na	na
chr22	54412042	54412274	233 Sat65CF	na	na
chr22	55724098	55724236	139 Sat17CF	na	na
chr22	57257904	57258090	187 Sat17CF	na	na
chr22	58822532	58822588	57 Sat26CF	na	na
chr22	60382390	60382452	63 Sat36CF	na	na
chr22	61152503	61152581	79 Sat46CF	na	na
chr22	61902136	61902307	172 Sat72CF	na	na
chr22	62471944	62472013	70 Sat73CF	na	na
chr22	62747230	62747676	447 Sat160CF	na	na
chr22	63014273	63014450	178 Sat5CF	stalk	na
chr22	63225304	63225363	60 Sat27CF	na	na
chr22	63354235	63354476	242 Sat19CF	na	na
chr22	63376455	63376747	293 Carsat2	orange	na
chr22	64330527	64330988	462 Sat100CF	na	na
chr22	64342451	64342798	348 CarSat1	red	na
chr22	64385073	64386026	954 CarSat1	red	na
chr22	64386049	64387433	1385 CarSat1	red	na
chr22	64387646	64387750	105 CarSat1	red	na
chr22	64387763	64388482	720 CarSat1	red	na
chr22	64388500	64389181	682 CarSat1	red	na
chr22	64399050	64400528	1479 CarSat1	red	na
chr22	64400555	64401118	564 CarSat1	red	na
chr23	3693863	3693920	58 Sat41CF	na	pericen
chr23	3693869	3693917	49 Sat41CF	na	pericen
chr23	4819686	4820809	1124 Carsat3	green	pericen
chr23	4868796	4869914	1119 Carsat3	green	pericen
chr23	4934643	4934984	342 Carsat3	green	pericen
chr23	4934997	4935434	438 Carsat3	green	pericen
chr23	4935513	4936028	516 Carsat3	green	pericen
chr23	4936140	4936317	178 Carsat3	green	pericen

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chr23	5544690	5545809	1120 Sat111CF	na	na
chr23	5544944	5545906	963 Sat111CF	na	na
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chr23	6830211	6830359	149 Sat131CF	na	na
chr23	6860654	6860734	81 Sat17CF	na	na
chr23	6860937	6861073	137 Sat17CF	na	na
chr23	8076143	8076187	45 Sat36CF	na	na
chr23	8076144	8076183	40 Sat36CF	na	na
chr23	8532755	8533001	247 Carsat3	green	na
chr23	10647440	10647483	44 Sat137CF	na	na
chr23	10810052	10810188	137 Sat91CF	na	na
chr23	11998607	11998661	55 Sat63CF	na	na
chr23	12940481	12941362	882 Carsat3	green	na
chr23	12967438	12968108	671 Carsat3	green	na
chr23	12988512	12989123	612 Carsat3	green	na
chr23	14636402	14637578	1177 Sat14CF	na	na
chr23	14637683	14639033	1351 Sat14CF	na	na
chr23	15027323	15028008	686 Carsat3	green	na
chr23	15041084	15041742	659 Carsat3	green	na
chr23	16664699	16664757	59 Sat12CF	na	na
chr23	30372557	30372633	77 Sat13CF	na	na
chr23	30557523	30557585	63 Sat33CF	na	na
chr23	33859783	33859847	65 Sat98CF	na	na
chr23	37620049	37620104	56 Sat41CF	na	na
chr23	38114802	38114874	73 Sat63CF	na	na
chr23	38535271	38535337	67 Sat5CF	stalk	na
chr23	39318710	39318779	70 Sat103CF	na	na
chr23	39820805	39820885	81 Sat2CF	purple	na
chr23	40778296	40778343	48 Sat77CF	na	na
chr23	44905298	44905362	65 Sat108CF	na	na
chr23	47957726	47957808	83 Sat17CF	na	na
chr23	47957852	47957971	120 Sat17CF	na	na
chr23	49298764	49299948	1185 Sat162CF	na	na
chr23	51509691	51510869	1179 Sat138CF	na	na
chr23	51510914	51510948	35 Sat138CF	na	na
chr23	52811095	52811142	48 Sat76CF	na	na
chr23	53796567	53796668	102 SAT1_CF	blue	na
chr23	53841309	53841372	64 Sat30CF	na	na
chr23	54171470	54171806	337 Sat21CF	na	na
chr24	3001207	3001480	274 Sat2CF	purple	pericen
chr24	3006114	3006905	792 SAT1_CF	blue	pericen

chr24	3006950	3008534	1585 SAT1_CF	blue	pericen
chr24	3008546	3008668	123 SAT1_CF	blue	pericen
chr24	3018416	3020235	1820 CarSat1	red	pericen
chr24	3020512	3021060	549 CarSat1	red	pericen
chr24	3021087	3022673	1587 CarSat1	red	pericen
chr24	3022930	3023059	130 CarSat1	red	pericen
chr24	3024831	3026202	1372 CarSat1	red	pericen
chr24	3026264	3031196	4933 CarSat1	red	pericen
chr24	3031516	3032063	548 CarSat1	red	pericen
chr24	3035464	3037110	1647 CarSat1	red	pericen
chr24	3037215	3039395	2181 CarSat1	red	pericen
chr24	3039441	3040029	589 Carsat2	orange	pericen
chr24	3040220	3040665	446 Carsat2	orange	pericen
chr24	3040250	3041119	870 CarSat1	red	pericen
chr24	3041121	3041557	437 Carsat2	orange	pericen
chr24	3041731	3042595	865 Carsat2	orange	pericen
chr24	3043059	3043092	34 Carsat2	orange	pericen
chr24	3055047	3055952	906 Carsat2	orange	pericen
chr24	3055971	3056571	601 Carsat2	orange	pericen
chr24	3056993	3057071	79 Carsat2	orange	pericen
chr24	3057488	3057936	449 Carsat2	orange	pericen
chr24	3263206	3263302	97 Carsat3	green	pericen
chr24	3297319	3297471	153 Sat125CF	na	pericen
chr24	3297336	3298628	1293 Sat125CF	na	pericen
chr24	3540877	3541695	819 Sat91CF	na	pericen
chr24	3541559	3541695	137 Sat91CF	na	pericen
chr24	5072376	5072439	64 Sat26CF	na	na
chr24	7153264	7153327	64 Sat91CF	na	na
chr24	7816856	7817527	672 Carsat3	green	na
chr24	7817615	7818091	477 Carsat3	green	na
chr24	8348732	8349528	797 Sat168CF	na	na
chr24	8348942	8349528	587 Sat168CF	na	na
chr24	9492869	9492947	79 Sat114CF	na	na
chr24	14885310	14885379	70 SUBTEL_sa	na	na
chr24	18491230	18491270	41 Sat76CF	na	na
chr24	21031166	21031247	82 Sat105CF	na	na
chr24	21666849	21667182	334 Carsat3	green	na
chr24	22119134	22119208	75 Sat27CF	na	na
chr24	22678351	22678404	54 Sat18CF	na	na
chr24	23181083	23181386	304 Sat14CF	na	na
chr24	25370919	25370984	66 Sat49CF	na	na
chr24	25974776	25974839	64 Sat9CF	na	na

chr24	27549839	27549980	142 Sat43CF	na	na
chr24	30553279	30553483	205 Sat30CF	na	na
chr24	30637844	30637912	69 Sat26CF	na	na
chr24	31445187	31445260	74 Sat55CF	na	na
chr24	31636296	31636404	109 Sat69CF	na	na
chr24	31636309	31636415	107 Sat69CF	na	na
chr24	32463804	32463875	72 Sat12CF	na	na
chr24	34163807	34163892	86 Sat43CF	na	na
chr24	34163901	34163935	35 Sat72CF	na	na
chr24	35252287	35252369	83 Carsat2	orange	na
chr24	35482404	35482472	69 Sat14CF	na	na
chr24	36308287	36308525	239 Sat68CF	na	na
chr24	36660466	36661858	1393 Carsat3	green	na
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chr24	36709734	36709874	141 Carsat3	green	na
chr24	36710340	36710924	585 Carsat3	green	na
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chr24	36728878	36729016	139 Carsat3	green	na
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chr24	36740097	36740498	402 Carsat3	green	na
chr24	36740510	36740967	458 Carsat3	green	na
chr24	36748533	36748666	134 Carsat3	green	na
chr24	37943864	37944016	153 Sat51CF	na	na
chr24	38245056	38245207	152 Sat51CF	na	na
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chr24	44176315	44176421	107 Sat95CF	na	na
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chr24	44877484	44877526	43 Sat98CF	na	na
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chr24	45486216	45486639	424 Sat164CF	na	na
chr24	45486261	45487619	1359 Sat164CF	na	na
chr24	45487426	45487647	222 Sat164CF	na	na
chr24	46228360	46228608	249 Sat119CF	na	na
chr24	46602107	46602336	230 Sat79CF	na	na
chr24	47030819	47030892	74 Sat62CF	na	na
chr24	47851644	47851698	55 Sat52CF	na	na
chr24	47924281	47924359	79 Sat2CF	purple	na
chr24	48453748	48454103	356 Sat100CF	na	na
chr24	48579434	48579525	92 Sat37CF	na	na
chr24	48835792	48836041	250 Sat5CF	stalk	na

chr24	48993784	48993859	76 Sat34CF	na	na
chr24	49044940	49044984	45 Sat5CF	stalk	na
chr24	49781618	49781712	95 SUBTEL_sa	na	na
chr24	50595872	50596016	145 Sat13CF	na	na
chr24	50630501	50630722	222 Sat5CF	stalk	na
chr24	50760449	50761547	1099 SAT1_CF	blue	na
chr25	3065103	3065230	128 SAT1_CF	blue	pericen
chr25	3075783	3075888	106 SAT1_CF	blue	pericen
chr25	3075926	3077018	1093 SAT1_CF	blue	pericen
chr25	3077001	3077828	828 CarSat1	red	pericen
chr25	3077852	3078190	339 CarSat1	red	pericen
chr25	3482490	3482557	68 Sat34CF	na	pericen
chr25	3510067	3510200	134 Sat17CF	na	pericen
chr25	3510413	3510495	83 Sat17CF	na	pericen
chr25	6668155	6668250	96 Sat33CF	na	na
chr25	6668171	6668250	80 Sat33CF	na	na
chr25	7283926	7283996	71 Carsat3	green	na
chr25	11726642	11726712	71 Sat35CF	na	na
chr25	11764484	11764660	177 Sat15CF	na	na
chr25	12087976	12088044	69 Sat32CF	na	na
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chr25	19388838	19388900	63 Carsat3	green	na
chr25	22035718	22035995	278 Carsat2	orange	na
chr25	22063675	22064650	976 Carsat2	orange	na
chr25	22496048	22497049	1002 Sat173CF	na	na
chr25	22497013	22497071	59 Sat173CF	na	na
chr25	22898842	22899506	665 Sat15CF	na	na
chr25	22920629	22920885	257 Sat15CF	na	na
chr25	24494843	24494983	141 Carsat3	green	na
chr25	26880974	26881036	63 Sat93CF	na	na
chr25	27996637	27996780	144 Carsat3	green	na
chr25	30423473	30423522	50 Sat118CF	na	na
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chr25	30516657	30517538	882 Sat7CF	lime	na
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chr25	30518645	30521873	3229 Sat7CF	lime	na
chr25	30521415	30521949	535 Sat7CF	lime	na
chr25	30552986	30553111	126 Carsat2	orange	na
chr25	31248890	31248955	66 Sat86CF	na	na
chr25	37157571	37157619	49 Sat103CF	na	na

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chr25	38072481	38072582	102 Sat13CF	na	na
chr25	39460279	39460555	277 Carsat2	orange	na
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chr25	40182950	40183110	161 Carsat2	orange	na
chr25	40186192	40187177	986 Carsat2	orange	na
chr25	40199876	40200139	264 SAT1_CF	blue	na
chr25	40200216	40200368	153 SAT1_CF	blue	na
chr25	40200455	40200692	238 SAT1_CF	blue	na
chr25	40253080	40254081	1002 Carsat3	green	na
chr25	40284438	40285585	1148 Carsat3	green	na
chr25	41622570	41623674	1105 Sat102CF	na	na
chr25	41670706	41671864	1159 Sat128CF	na	na
chr25	42991775	42991812	38 Sat66CF	na	na
chr25	45885727	45885788	62 Sat136CF	na	na
chr25	48688161	48688364	204 Sat79CF	na	na
chr25	49966351	49967763	1413 Sat84CF	na	na
chr25	49967584	49967794	211 Sat84CF	na	na
chr25	51095479	51095742	264 HSATII	na	na
chr25	51179615	51180173	559 Sat153CF	na	na
chr25	51400731	51401319	589 Sat131CF	na	na
chr25	51653497	51653917	421 Sat81CF	na	na
chr25	51780765	51781032	268 Sat3CF	optpurple	na
chr25	51801522	51802419	898 Sat79CF	na	na
chr25	52243677	52243898	222 Sat74CF	na	na
chr25	52775966	52776172	207 Sat83CF	na	na
chr25	53335892	53336515	624 Sat19CF	na	na
chr25	53844415	53844969	555 Sat14CF	na	na
chr25	53844421	53844831	411 Sat14CF	na	na
chr25	53844468	53845105	638 Sat14CF	na	na
chr25	53844517	53845027	511 Sat14CF	na	na
chr25	54358967	54359991	1025 Sat51CF	na	na
chr26	3046079	3048228	2150 Carsat3	green	pericen
chr26	3091013	3092028	1016 Carsat3	green	pericen
chr26	3118876	3119628	753 Carsat3	green	pericen
chr26	3137254	3138196	943 Carsat3	green	pericen

chr26	3176516	3176666	151	Carsat3	green	pericen
chr26	3176970	3178710	1741	Carsat3	green	pericen
chr26	3213132	3214286	1155	Carsat3	green	pericen
chr26	3235739	3235839	101	Carsat3	green	pericen
chr26	3257726	3259296	1571	Carsat3	green	pericen
chr26	3259368	3259501	134	Carsat3	green	pericen
chr26	3275165	3275297	133	Carsat3	green	pericen
chr26	3275339	3276116	778	Carsat3	green	pericen
chr26	3535292	3535538	247	Sat69CF	na	pericen
chr26	3956757	3957057	301	Sat16CF	na	pericen
chr26	4551988	4552218	231	Sat84CF	na	pericen
chr26	4728525	4728585	61	Sat26CF	na	pericen
chr26	4756707	4757232	526	Sat98CF	na	pericen
chr26	4759039	4759789	751	Sat30CF	na	pericen
chr26	4760906	4761437	532	Sat98CF	na	pericen
chr26	4796553	4797079	527	Sat144CF	na	pericen
chr26	4797537	4797936	400	Sat144CF	na	pericen
chr26	5169593	5170721	1129	Sat91CF	na	na
chr26	5918497	5918631	135	Sat5CF	stalk	na
chr26	6683936	6684047	112	Sat31CF	na	na
chr26	8018521	8019644	1124	Sat17CF	na	na
chr26	8718892	8719634	743	Carsat3	green	na
chr26	9500269	9500326	58	Sat33CF	na	na
chr26	10032363	10032810	448	Carsat3	green	na
chr26	12717997	12718050	54	Sat91CF	na	na
chr26	13797178	13797301	124	Sat13CF	na	na
chr26	16264880	16265266	387	Sat28CF	na	na
chr26	16323123	16323184	62	Sat27CF	na	na
chr26	16368961	16369005	45	Sat10CF	na	na
chr26	20093985	20094238	254	Carsat3	green	na
chr26	20902939	20903002	64	Sat21CF	na	na
chr26	24483851	24483911	61	Sat12CF	na	na
chr26	25757433	25757474	42	SUBTEL_sa	na	na
chr26	25762684	25762870	187	Sat130CF	na	na
chr26	25762884	25763928	1045	Sat130CF	na	na
chr26	27410471	27410525	55	Sat181CF	na	na
chr26	28147812	28147854	43	CarSat1	red	na
chr26	28335474	28335516	43	CarSat1	red	na
chr26	28591893	28591935	43	CarSat1	red	na
chr26	29154715	29154757	43	CarSat1	red	na
chr26	29501067	29501535	469	Carsat2	orange	na
chr26	29501552	29501690	139	Carsat2	orange	na

chr26	29502044	29502121	78	Carsat2	orange	na
chr26	31822132	31823204	1073	Carsat3	green	na
chr26	31991160	31991213	54	Sat105CF	na	na
chr26	32673255	32673307	53	Sat4CF	lred	na
chr26	33258688	33258807	120	Carsat3	green	na
chr26	33258843	33259866	1024	Carsat3	green	na
chr26	33259888	33260022	135	Carsat3	green	na
chr26	33280137	33281057	921	Carsat3	green	na
chr26	36170267	36170414	148	CarSat1	red	na
chr26	36171925	36172017	93	Sat52CF	na	na
chr26	38446692	38446766	75	Sat130CF	na	na
chr26	38656299	38657297	999	Sat182CF	na	na
chr26	38776171	38776337	167	SUBTEL_sa	na	na
chr26	39054535	39054638	104	Carsat3	green	na
chr26	40476838	40476952	115	Sat49CF	na	na
chr26	41672055	41672602	548	Sat111CF	na	na
chr26	41830629	41831239	611	Sat50CF	na	na
chr26	41834634	41834705	72	Sat19CF	na	na
chr26	41871670	41872705	1036	Sat106CF	na	na
chr26	42026963	42027140	178	SAT1_CF	blue	na
chr26	42027183	42028033	851	SAT1_CF	blue	na
chr27	3215016	3215264	249	Carsat2	orange	pericen
chr27	3215442	3215601	160	Carsat2	orange	pericen
chr27	6187799	6187845	47	Sat63CF	na	na
chr27	7537239	7537286	48	Sat118CF	na	na
chr27	8293948	8294059	112	Sat65CF	na	na
chr27	10277856	10278075	220	Carsat3	green	na
chr27	11058308	11058716	409	CarSat1	red	na
chr27	12462120	12462148	29	Sat57CF	na	na
chr27	18588382	18588483	102	Sat26CF	na	na
chr27	18588420	18588483	64	Sat26CF	na	na
chr27	21899216	21899284	69	Sat137CF	na	na
chr27	31612542	31612846	305	Carsat3	green	na
chr27	31613265	31613803	539	Carsat3	green	na
chr27	38440353	38441071	719	Sat7CF	lime	na
chr27	42992616	42992670	55	Sat100CF	na	na
chr27	44612256	44612542	287	Sat153CF	na	na
chr27	45701433	45701482	50	Sat147CF	na	na
chr27	46600165	46600237	73	Sat79CF	na	na
chr27	48859528	48859884	357	CarSat1	red	na
chr27	48862716	48863263	548	CarSat1	red	na
chr27	48863271	48867067	3797	SAT1_CF	blue	na

chr27	48872167	48872786	620 Sat2CF	purple	na
chr27	48890876	48893547	2672 SAT1_CF	blue	na
chr27	48893581	48893756	176 SAT1_CF	blue	na
chr27	48893758	48894996	1239 CarSat1	red	na
chr27	48895017	48895624	608 CarSat1	red	na
chr27	48895644	48895710	67 CarSat1	red	na
chr27	48895731	48897266	1536 CarSat1	red	na
chr27	48897284	48897856	573 CarSat1	red	na
chr27	48898094	48898994	901 CarSat1	red	na
chr27	48899015	48899864	850 CarSat1	red	na
chr27	48899887	48901335	1449 CarSat1	red	na
chr27	48901496	48903179	1684 CarSat1	red	na
chr27	48903200	48904051	852 CarSat1	red	na
chr27	48904134	48905029	896 CarSat1	red	na
chr28	3003157	3004108	952 CarSat1	red	pericen
chr28	3004135	3004974	840 CarSat1	red	pericen
chr28	3005142	3005846	705 CarSat1	red	pericen
chr28	3005867	3006721	855 CarSat1	red	pericen
chr28	3006871	3008334	1464 CarSat1	red	pericen
chr28	3008355	3009947	1593 CarSat1	red	pericen
chr28	3010107	3010749	643 CarSat1	red	pericen
chr28	3010784	3011562	779 CarSat1	red	pericen
chr28	3011585	3013056	1472 CarSat1	red	pericen
chr28	3018978	3019904	927 CarSat1	red	pericen
chr28	3019925	3020967	1043 CarSat1	red	pericen
chr28	3020984	3022248	1265 CarSat1	red	pericen
chr28	3022269	3023312	1044 CarSat1	red	pericen
chr28	3048327	3048839	513 Sat8CF	dgreen	pericen
chr28	3050321	3050823	503 Sat8CF	dgreen	pericen
chr28	5442475	5442910	436 Carsat3	green	na
chr28	6486826	6487393	568 Carsat3	green	na
chr28	6499758	6500734	977 Carsat3	green	na
chr28	6538508	6538745	238 Carsat3	green	na
chr28	6538760	6539191	432 Carsat3	green	na
chr28	6594284	6595029	746 Carsat3	green	na
chr28	6595212	6595332	121 Carsat3	green	na
chr28	6595375	6595669	295 Carsat3	green	na
chr28	7182309	7182677	369 Carsat3	green	na
chr28	7260897	7260989	93 Carsat3	green	na
chr28	7261042	7262418	1377 Carsat3	green	na
chr28	9069451	9069494	44 Sat66CF	na	na
chr28	11080470	11081555	1086 Sat155CF	na	na

chr28	12413860	12413903	44 Sat104CF	na	na
chr28	13922763	13922817	55 Sat5CF	stalk	na
chr28	18826495	18826613	119 Sat12CF	na	na
chr28	30229964	30230009	46 Sat35CF	na	na
chr28	30428376	30428451	76 Sat65CF	na	na
chr28	30746132	30746178	47 Sat13CF	na	na
chr28	32522776	32522897	122 Sat5CF	stalk	na
chr28	34200964	34201034	71 Sat9CF	na	na
chr28	35163778	35163837	60 Sat92CF	na	na
chr28	35900715	35900890	176 Sat5CF	stalk	na
chr28	39533777	39534531	755 Sat45CF	na	na
chr28	39533919	39534221	303 Sat45CF	na	na
chr28	39534042	39534335	294 Sat45CF	na	na
chr28	39842362	39842588	227 Sat30CF	na	na
chr28	39913610	39914444	835 Sat105CF	na	na
chr28	39913774	39914810	1037 Sat105CF	na	na
chr28	39915082	39915826	745 Sat105CF	na	na
chr28	39915180	39916192	1013 Sat105CF	na	na
chr28	39915525	39916552	1028 Sat105CF	na	na
chr28	39916626	39917659	1034 Sat105CF	na	na
chr28	39916989	39918025	1037 Sat105CF	na	na
chr28	39917355	39918315	961 Sat105CF	na	na
chr28	40437465	40437881	417 Sat30CF	na	na
chr28	40439882	40440748	867 Sat44CF	na	na
chr28	40463621	40463697	77 Sat13CF	na	na
chr28	41348631	41348723	93 Sat63CF	na	na
chr28	42238407	42238478	72 Sat172CF	na	na
chr28	42263857	42264276	420 Sat47CF	na	na
chr28	42678638	42678710	73 Sat19CF	na	na
chr28	42853712	42854139	428 Sat21CF	na	na
chr28	42898675	42898746	72 Sat123CF	na	na
chr28	42903269	42903322	54 Sat151CF	na	na
chr28	43103032	43103429	398 Sat19CF	na	na
chr28	43293749	43293779	31 Sat5CF	stalk	na
chr28	43730895	43731175	281 Sat14CF	na	na
chr28	43730924	43731633	710 Sat14CF	na	na
chr28	43831744	43832239	496 Sat28CF	na	na
chr28	43840670	43840899	230 Sat43CF	na	na
chr28	44035424	44035598	175 CarSat1	red	na
chr28	44154254	44155251	998 Carsat3	green	na
chr28	44188133	44188960	828 SAT1_CF	blue	na
chr29	3009011	3012952	3942 CarSat1	red	pericen

chr29	3012968	3014260	1293	CarSat1	red	pericen
chr29	3014619	3017179	2561	CarSat1	red	pericen
chr29	3538260	3538342	83	Sat49CF	na	pericen
chr29	3720115	3720173	59	Sat60CF	na	pericen
chr29	4455905	4456011	107	Sat146CF	na	pericen
chr29	4455916	4457330	1415	Sat146CF	na	pericen
chr29	9208078	9208169	92	Carsat3	green	na
chr29	9490110	9490167	58	Sat25CF	na	na
chr29	15053696	15053847	152	Carsat3	green	na
chr29	24741699	24741891	193	Sat17CF	na	na
chr29	27321614	27321881	268	SAT1_CF	blue	na
chr29	30526123	30526182	60	SUBTEL_sa	na	na
chr29	30947436	30948362	927	Sat53CF	na	na
chr29	32846262	32846528	267	Carsat3	green	na
chr29	34679810	34680284	475	Sat38CF	na	na
chr29	34730015	34730167	153	Sat129CF	na	na
chr29	36766753	36766835	83	Carsat3	green	na
chr29	36767005	36767280	276	Carsat3	green	na
chr29	36767548	36767784	237	Carsat3	green	na
chr29	36767808	36767894	87	Carsat3	green	na
chr29	38463014	38463695	682	Sat55CF	na	na
chr29	38482078	38483418	1341	Sat102CF	na	na
chr29	38485564	38485663	100	Sat24CF	na	na
chr29	38485664	38486724	1061	Sat24CF	na	na
chr29	39107247	39107505	259	Sat14CF	na	na
chr29	39107392	39107533	142	Sat14CF	na	na
chr29	39495244	39495312	69	Sat33CF	na	na
chr29	41585207	41585349	143	SUBTEL_sa	na	na
chr29	41585529	41585671	143	SUBTEL_sa	na	na
chr29	41964980	41965176	197	Sat38CF	na	na
chr29	42679866	42680323	458	Sat132CF	na	na
chr29	42867525	42867715	191	Sat37CF	na	na
chr29	43110730	43112098	1369	Sat83CF	na	na
chr29	43170929	43171354	426	Sat83CF	na	na
chr29	43810781	43812299	1519	Sat127CF	na	na
chr29	43811023	43812709	1687	Sat127CF	na	na
chr29	43812374	43813154	781	Sat127CF	na	na
chr29	43813222	43813351	130	Sat5CF	stalk	na
chr29	43813251	43813415	165	Sat5CF	stalk	na
chr29	43846246	43846310	65	Sat63CF	na	na
chr29	43969567	43969634	68	Sat53CF	na	na
chr29	44135350	44135470	121	Sat29CF	na	na

chr29	44188767	44189536	770 Sat97CF	na	na
chr29	44268615	44268926	312 Sat104CF	na	na
chr29	44729110	44729462	353 Carsat2	orange	na
chr3	3018973	3020080	1108 Sat2CF	purple	pericen
chr3	3022549	3022684	136 CarSat1	red	pericen
chr3	3022711	3024249	1539 CarSat1	red	pericen
chr3	3033061	3033772	712 CarSat1	red	pericen
chr3	3033966	3034109	144 CarSat1	red	pericen
chr3	3034143	3035333	1191 CarSat1	red	pericen
chr3	3035350	3037502	2153 CarSat1	red	pericen
chr3	3042246	3042675	430 SAT1_CF	blue	pericen
chr3	3047248	3048561	1314 Sat2CF	purple	pericen
chr3	3047428	3048688	1261 Sat2CF	purple	pericen
chr3	3075766	3075833	68 Sat49CF	na	pericen
chr3	6205762	6206765	1004 Sat176CF	na	na
chr3	6473525	6473767	243 Sat18CF	na	na
chr3	6473554	6473766	213 Sat18CF	na	na
chr3	6999576	6999696	121 Sat129CF	na	na
chr3	12591556	12591654	99 Carsat3	green	na
chr3	14642111	14642165	55 Sat155CF	na	na
chr3	18601397	18601567	171 SAT1_CF	blue	na
chr3	26792742	26792822	81 Sat35CF	na	na
chr3	26926610	26926657	48 Sat76CF	na	na
chr3	30796815	30796912	98 Sat36CF	na	na
chr3	31719581	31719640	60 Sat3CF	optpurple	na
chr3	31719809	31719850	42 Sat3CF	optpurple	na
chr3	31720807	31720832	26 Sat3CF	optpurple	na
chr3	33636496	33636829	334 Sat125CF	na	na
chr3	34130791	34132204	1414 CarSat1	red	na
chr3	34132225	34132367	143 CarSat1	red	na
chr3	34132397	34132512	116 CarSat1	red	na
chr3	34132549	34132691	143 CarSat1	red	na
chr3	34132760	34133028	269 CarSat1	red	na
chr3	34133058	34133199	142 CarSat1	red	na
chr3	34133220	34133936	717 CarSat1	red	na
chr3	34146228	34146915	688 Sat2CF	purple	na
chr3	34146302	34146954	653 Sat2CF	purple	na
chr3	34846637	34846691	55 SUBTEL_sa	na	na
chr3	39228539	39228609	71 Sat180CF	na	na
chr3	39589764	39590085	322 Carsat3	green	na
chr3	40048173	40048885	713 Sat9CF	na	na
chr3	40048409	40048887	479 Sat9CF	na	na

chr3	40105859	40106218	360 Carsat3	green	na
chr3	40386857	40386931	75 Sat18CF	na	na
chr3	40386883	40386931	49 Sat18CF	na	na
chr3	40707722	40707814	93 Sat36CF	na	na
chr3	40707727	40707804	78 Sat36CF	na	na
chr3	47307319	47307380	62 Sat77CF	na	na
chr3	50857358	50857395	38 Sat113CF	na	na
chr3	51386211	51386260	50 Sat80CF	na	na
chr3	52934181	52935182	1002 Sat183CF	na	na
chr3	53243589	53243675	87 Sat14CF	na	na
chr3	54875732	54875774	43 Sat88CF	na	na
chr3	54875753	54876992	1240 Sat88CF	na	na
chr3	54875929	54877148	1220 Sat88CF	na	na
chr3	54877149	54877359	211 Sat88CF	na	na
chr3	54878004	54878085	82 Sat88CF	na	na
chr3	55494669	55494837	169 Sat19CF	na	na
chr3	56683258	56683506	249 Carsat3	green	na
chr3	56683681	56684169	489 Carsat3	green	na
chr3	56743645	56744857	1213 Carsat3	green	na
chr3	56763106	56763883	778 Carsat3	green	na
chr3	58693172	58694267	1096 Sat156CF	na	na
chr3	58693320	58694809	1490 Sat156CF	na	na
chr3	59442531	59442582	52 Sat118CF	na	na
chr3	59578252	59578292	41 Sat27CF	na	na
chr3	59753195	59753247	53 Sat145CF	na	na
chr3	59797365	59797428	64 Sat86CF	na	na
chr3	60418107	60418394	288 Sat28CF	na	na
chr3	60735019	60735066	48 Sat109CF	na	na
chr3	60839118	60839559	442 Sat60CF	na	na
chr3	61072980	61073115	136 Sat21CF	na	na
chr3	62838696	62838918	223 Sat84CF	na	na
chr3	62863471	62863666	196 Sat80CF	na	na
chr3	63012838	63012890	53 Sat22CF	na	na
chr3	63149974	63150124	151 Sat30CF	na	na
chr3	63217235	63217373	139 Sat16CF	na	na
chr3	63262324	63262730	407 Sat47CF	na	na
chr3	63262485	63262765	281 Sat114CF	na	na
chr3	63262964	63263480	517 Sat47CF	na	na
chr3	63335723	63335907	185 Sat2CF	purple	na
chr3	63836790	63837153	364 Sat21CF	na	na
chr3	64919132	64919424	293 Sat30CF	na	na
chr3	64919182	64919466	285 Sat30CF	na	na

chr3	65288685	65288787	103 Sat13CF	na	na
chr3	65331453	65331719	267 Sat131CF	na	na
chr3	65339612	65339785	174 Sat52CF	na	na
chr3	65344724	65345123	400 Sat5CF	stalk	na
chr3	66706286	66706342	57 Sat36CF	na	na
chr3	66744284	66744372	89 Carsat3	green	na
chr3	67207303	67207514	212 Sat95CF	na	na
chr3	69291912	69292395	484 Sat119CF	na	na
chr3	76309672	76309742	71 Sat165CF	na	na
chr3	86811307	86811515	209 Carsat3	green	na
chr3	86811633	86811798	166 Carsat3	green	na
chr3	87256508	87256657	150 Sat52CF	na	na
chr3	87256519	87256635	117 Sat52CF	na	na
chr3	90143425	90143465	41 Sat19CF	na	na
chr3	90147282	90147881	600 Sat41CF	na	na
chr3	90147283	90147999	717 Sat41CF	na	na
chr3	90771747	90772108	362 Sat42CF	na	na
chr3	91986714	91987147	434 Sat30CF	na	na
chr3	93232279	93232499	221 Carsat3	green	na
chr3	94184490	94184628	139 CarSat1	red	na
chr3	94406431	94406890	460 Sat110CF	na	na
chr3	94406492	94407617	1126 Sat110CF	na	na
chr3	94407375	94407624	250 Sat110CF	na	na
chr3	94692561	94693582	1022 SAT1_CF	blue	na
chr3	94711078	94712068	991 SAT1_CF	blue	na
chr30	5664451	5664522	72 Carsat3	green	na
chr30	9780483	9780541	59 Sat21CF	na	na
chr30	11871228	11871331	104 Sat89CF	na	na
chr30	13210246	13210848	603 Carsat3	green	na
chr30	17886056	17886114	59 Sat88CF	na	na
chr30	18098951	18098979	29 SUBTEL_sa	na	na
chr30	19930024	19930067	44 Sat41CF	na	na
chr30	20919047	20919107	61 Sat163CF	na	na
chr30	22128721	22128766	46 Sat15CF	na	na
chr30	24736567	24736630	64 Sat57CF	na	na
chr30	26050787	26050828	42 Sat88CF	na	na
chr30	32168956	32169000	45 Sat65CF	na	na
chr30	33467658	33468979	1322 Sat139CF	na	na
chr30	33468931	33468986	56 Sat139CF	na	na
chr30	34012867	34012899	33 Sat91CF	na	na
chr30	36088780	36089125	346 Sat93CF	na	na
chr30	36088818	36089155	338 Sat93CF	na	na

chr30	36952433	36952508	76 Sat125CF	na	na
chr30	40000527	40000812	286 Sat110CF	na	na
chr30	40875684	40876150	467 SAT1_CF	blue	na
chr30	41131431	41131502	72 Sat149CF	na	na
chr30	41131481	41131502	22 Sat149CF	na	na
chr30	41792308	41792475	168 SAT1_CF	blue	na
chr30	42302865	42303058	194 Sat65CF	na	na
chr30	43020271	43020415	145 Sat186CF	na	na
chr30	43020336	43020415	80 Sat186CF	na	na
chr30	43195880	43196104	225 Sat2CF	purple	na
chr30	43195920	43196110	191 Sat2CF	purple	na
chr31	3031011	3031999	989 Sat2CF	purple	pericen
chr31	3031074	3031940	867 Sat2CF	purple	pericen
chr31	3036499	3036891	393 SAT1_CF	blue	pericen
chr31	3039107	3039772	666 Sat2CF	purple	pericen
chr31	3039211	3039737	527 Sat2CF	purple	pericen
chr31	3042554	3043625	1072 SAT1_CF	blue	pericen
chr31	3043639	3046154	2516 SAT1_CF	blue	pericen
chr31	3046193	3047145	953 SAT1_CF	blue	pericen
chr31	3047168	3047597	430 SAT1_CF	blue	pericen
chr31	3047605	3048903	1299 CarSat1	red	pericen
chr31	3067208	3068036	829 Sat2CF	purple	pericen
chr31	3075279	3076590	1312 CarSat1	red	pericen
chr31	3076609	3077761	1153 CarSat1	red	pericen
chr31	3077774	3082574	4801 CarSat1	red	pericen
chr31	3082483	3084118	1636 Carsat2	orange	pericen
chr31	3092278	3093025	748 Carsat2	orange	pericen
chr31	3093273	3094320	1048 Carsat2	orange	pericen
chr31	3094662	3094797	136 Carsat2	orange	pericen
chr31	3110574	3110912	339 Carsat2	orange	pericen
chr31	22275135	22276223	1089 Carsat2	orange	na
chr31	24257623	24257845	223 Carsat3	green	na
chr31	28931677	28931747	71 Sat83CF	na	na
chr31	29625299	29625836	538 Sat87CF	na	na
chr31	31191105	31191326	222 Sat112CF	na	na
chr31	32176555	32177416	862 SAT1_CF	blue	na
chr31	33908992	33909067	76 Sat86CF	na	na
chr31	34909716	34909787	72 Sat63CF	na	na
chr31	35164442	35164502	61 Sat154CF	na	na
chr31	38362540	38363117	578 Sat84CF	na	na
chr31	38365978	38366551	574 Sat94CF	na	na
chr31	38386138	38386186	49 Sat18CF	na	na

chr31	38386151	38387776	1626 Sat18CF	na	na
chr31	38388158	38388214	57 Sat18CF	na	na
chr31	38734315	38734454	140 Sat72CF	na	na
chr31	38747367	38747448	82 Sat5CF	stalk	na
chr31	39250809	39251648	840 CarSat1	red	na
chr31	39336310	39336502	193 Sat5CF	stalk	na
chr31	39376753	39377129	377 Sat63CF	na	na
chr31	39376792	39380651	3860 Sat63CF	na	na
chr31	39380318	39380693	376 Sat63CF	na	na
chr31	39824538	39824779	242 Sat21CF	na	na
chr31	39867453	39867530	78 Sat21CF	na	na
chr31	40752159	40752467	309 Sat94CF	na	na
chr31	40962282	40962436	155 SUBTEL_sa	na	na
chr31	41017346	41017428	83 Sat21CF	na	na
chr31	41019377	41019472	96 Sat21CF	na	na
chr31	41063064	41063851	788 Sat37CF	na	na
chr31	41272059	41272167	109 Sat5CF	stalk	na
chr31	41272071	41272169	99 Sat108CF	na	na
chr31	42227161	42227398	238 Sat29CF	na	na
chr31	42227187	42228193	1007 Sat29CF	na	na
chr31	42253948	42254625	678 Sat2CF	purple	na
chr31	42258576	42260013	1438 SAT1_CF	blue	na
chr32	3003993	3004385	393 SAT1_CF	blue	pericen
chr32	3006408	3006950	543 Sat2CF	purple	pericen
chr32	3006413	3006896	484 Sat2CF	purple	pericen
chr32	3009074	3010469	1396 CarSat1	red	pericen
chr32	3011059	3011387	329 Carsat2	orange	pericen
chr32	3011582	3013863	2282 Carsat2	orange	pericen
chr32	3013975	3014504	530 Carsat2	orange	pericen
chr32	3015096	3015358	263 Carsat2	orange	pericen
chr32	4873967	4874021	55 Sat12CF	na	pericen
chr32	7163862	7163936	75 Sat38CF	na	na
chr32	14554477	14554685	209 Carsat3	green	na
chr32	14826091	14826157	67 Sat59CF	na	na
chr32	23961414	23961476	63 Sat165CF	na	na
chr32	27181009	27181076	68 SUBTEL_sa	na	na
chr32	38782843	38783041	199 Carsat3	green	na
chr32	40656826	40657029	204 Carsat3	green	na
chr32	41263194	41263239	46 Sat8CF	dgreen	na
chr32	41721849	41722552	704 CarSat1	red	na
chr32	41722573	41724164	1592 CarSat1	red	na
chr32	41724185	41725426	1242 CarSat1	red	na

chr32	41725428	41725899	472 SAT1_CF	blue	na
chr32	41725911	41728713	2803 SAT1_CF	blue	na
chr32	41728731	41729251	521 SAT1_CF	blue	na
chr32	41729264	41729879	616 SAT1_CF	blue	na
chr32	41729874	41730592	719 CarSat1	red	na
chr32	41730743	41731048	306 CarSat1	red	na
chr33	3000078	3000371	294 CarSat1	red	pericen
chr33	5459011	5459117	107 Sat21CF	na	na
chr33	7480512	7480548	37 Sat86CF	na	na
chr33	8446010	8446110	101 Sat31CF	na	na
chr33	11646014	11646079	66 Sat77CF	na	na
chr33	17766693	17766738	46 Sat151CF	na	na
chr33	17766702	17767729	1028 Sat151CF	na	na
chr33	17767510	17767754	245 Sat151CF	na	na
chr33	20260917	20260988	72 Sat62CF	na	na
chr33	21034803	21035216	414 Sat24CF	na	na
chr33	21243729	21243777	49 Sat7CF	lime	na
chr33	21504100	21504205	106 Carsat3	green	na
chr33	21504316	21504867	552 Carsat3	green	na
chr33	22337607	22337661	55 Sat15CF	na	na
chr33	23280009	23280062	54 Sat112CF	na	na
chr33	26161659	26162861	1203 Sat149CF	na	na
chr33	26161837	26163026	1190 Sat149CF	na	na
chr33	26353372	26353398	27 SUBTEL_sa	na	na
chr33	29216605	29216847	243 Sat123CF	na	na
chr33	29602474	29602566	93 Sat88CF	na	na
chr33	29786806	29786918	113 Sat74CF	na	na
chr33	29896211	29896370	160 CarSat1	red	na
chr33	30562372	30562433	62 Sat139CF	na	na
chr33	30597192	30597228	37 Sat12CF	na	na
chr33	31062583	31062639	57 Sat21CF	na	na
chr33	31235316	31236018	703 CarSat1	red	na
chr33	31776357	31777505	1149 Sat152CF	na	na
chr33	31777507	31777535	29 Sat152CF	na	na
chr33	32125108	32126327	1220 Sat35CF	na	na
chr33	32125243	32129984	4742 Sat35CF	na	na
chr33	32127997	32130254	2258 Sat35CF	na	na
chr33	32283073	32283249	177 Sat99CF	na	na
chr33	32283779	32284211	433 Sat83CF	na	na
chr33	32331206	32331263	58 Sat65CF	na	na
chr33	33325825	33326090	266 Sat14CF	na	na
chr33	33439576	33439625	50 Sat6CF	select	na

chr33	33617537	33617763	227 Sat39CF	na	na
chr33	33830688	33830723	36 Sat50CF	na	na
chr33	34413813	34415135	1323 Carsat2	orange	na
chr33	34415171	34416592	1422 Carsat2	orange	na
chr33	34423376	34424071	696 Carsat2	orange	na
chr34	3000218	3000523	306 CarSat1	red	pericen
chr34	3000678	3001400	723 CarSat1	red	pericen
chr34	3001411	3003737	2327 SAT1_CF	blue	pericen
chr34	3003783	3004956	1174 SAT1_CF	blue	pericen
chr34	3004978	3005601	624 SAT1_CF	blue	pericen
chr34	3005641	3006041	401 SAT1_CF	blue	pericen
chr34	3006088	3006636	549 SAT1_CF	blue	pericen
chr34	3006678	3007202	525 SAT1_CF	blue	pericen
chr34	3007213	3009024	1812 SAT1_CF	blue	pericen
chr34	3009029	3011739	2711 CarSat1	red	pericen
chr34	3011760	3012284	525 CarSat1	red	pericen
chr34	3012684	3013804	1121 Sat2CF	purple	pericen
chr34	3013675	3013852	178 Sat2CF	purple	pericen
chr34	3028935	3029793	859 Sat2CF	purple	pericen
chr34	3043659	3044730	1072 Sat2CF	purple	pericen
chr34	3089823	3090344	522 Sat2CF	purple	pericen
chr34	3089887	3090715	829 Sat2CF	purple	pericen
chr34	3097407	3097559	153 CarSat1	red	pericen
chr34	3123942	3125564	1623 Carsat2	orange	pericen
chr34	6684056	6684336	281 Sat60CF	na	na
chr34	8438836	8439075	240 Sat18CF	na	na
chr34	10884230	10884335	106 Sat63CF	na	na
chr34	11378702	11378895	194 Sat120CF	na	na
chr34	11378896	11380778	1883 Sat120CF	na	na
chr34	11380779	11380831	53 Sat120CF	na	na
chr34	11604501	11604828	328 Sat5CF	stalk	na
chr34	11604534	11604862	329 Sat5CF	stalk	na
chr34	11604575	11604798	224 Sat5CF	stalk	na
chr34	13449412	13449676	265 Sat57CF	na	na
chr34	13449442	13449677	236 Sat57CF	na	na
chr34	13449547	13449768	222 Sat57CF	na	na
chr34	13477358	13477707	350 Sat72CF	na	na
chr34	13541580	13541631	52 Sat88CF	na	na
chr34	13682240	13682320	81 Sat107CF	na	na
chr34	14102384	14102686	303 Sat93CF	na	na
chr34	14102413	14102624	212 Sat93CF	na	na
chr34	14224936	14224991	56 Sat72CF	na	na

chr34	14513501	14513939	439 Sat74CF	na	na
chr34	14513553	14513841	289 Sat74CF	na	na
chr34	14522859	14522940	82 Sat97CF	na	na
chr34	14818401	14822334	3934 Sat109CF	na	na
chr34	14822260	14822361	102 Sat109CF	na	na
chr34	14914593	14914690	98 Sat104CF	na	na
chr34	15090687	15090836	150 Sat2CF	purple	na
chr34	15090726	15090829	104 Sat2CF	purple	na
chr34	15106894	15106946	53 SAT1_CF	blue	na
chr34	15107253	15107489	237 SAT1_CF	blue	na
chr34	15107822	15108061	240 SAT1_CF	blue	na
chr34	15122604	15123184	581 SAT1_CF	blue	na
chr34	15123580	15123646	67 SAT1_CF	blue	na
chr34	15146423	15146589	167 Sat2CF	purple	na
chr34	15146423	15146589	167 Sat2CF	purple	na
chr34	15232619	15232824	206 Sat2CF	purple	na
chr34	15232657	15232842	186 Sat2CF	purple	na
chr34	15232669	15232878	210 Sat2CF	purple	na
chr34	15245285	15245536	252 SAT1_CF	blue	na
chr34	15245840	15245996	157 SAT1_CF	blue	na
chr34	15273636	15273703	68 SAT1_CF	blue	na
chr34	15295922	15296298	377 Sat2CF	purple	na
chr34	15295991	15296245	255 Sat2CF	purple	na
chr34	15300997	15301096	100 Carsat2	orange	na
chr34	15309060	15309276	217 Sat2CF	purple	na
chr34	15309170	15309231	62 Sat2CF	purple	na
chr34	15313603	15313690	88 SAT1_CF	blue	na
chr34	15343387	15343450	64 SAT1_CF	blue	na
chr34	15343749	15343999	251 SAT1_CF	blue	na
chr34	15365335	15365513	179 Sat2CF	purple	na
chr34	15377459	15377570	112 SAT1_CF	blue	na
chr34	15392881	15392987	107 SAT1_CF	blue	na
chr34	15415197	15415255	59 SAT1_CF	blue	na
chr34	15415707	15415794	88 SAT1_CF	blue	na
chr34	15442157	15442333	177 Sat2CF	purple	na
chr34	15442201	15442487	287 Sat2CF	purple	na
chr34	15442293	15442533	241 Sat2CF	purple	na
chr34	15451528	15451589	62 SAT1_CF	blue	na
chr34	15452141	15452249	109 SAT1_CF	blue	na
chr34	15478190	15478524	335 Sat2CF	purple	na
chr34	15478235	15478539	305 Sat2CF	purple	na
chr34	15478275	15478512	238 Sat2CF	purple	na

chr34	15478303	15478577	275 Sat2CF	purple	na
chr34	15483408	15483687	280 Carsat2	orange	na
chr34	15496979	15497068	90 SAT1_CF	blue	na
chr34	15508081	15508177	97 Carsat2	orange	na
chr34	19564603	19564667	65 SUBTEL_sa	na	na
chr34	23123954	23124061	108 Carsat3	green	na
chr34	27866434	27866517	84 Sat36CF	na	na
chr34	29324844	29324967	124 Sat105CF	na	na
chr34	29325187	29325303	117 Sat105CF	na	na
chr34	30400736	30400773	38 Sat179CF	na	na
chr34	30593635	30594304	670 Sat7CF	lime	na
chr34	30593730	30594289	560 Sat7CF	lime	na
chr34	31984478	31984592	115 Sat32CF	na	na
chr34	32856931	32857597	667 Sat7CF	lime	na
chr34	32856946	32857502	557 Sat7CF	lime	na
chr34	34522926	34522975	50 Sat36CF	na	na
chr34	37304447	37304624	178 CarSat1	red	na
chr34	37304617	37304680	64 SAT1_CF	blue	na
chr34	38659055	38659114	60 Sat2CF	purple	na
chr34	39880962	39881060	99 Sat52CF	na	na
chr34	40591852	40591879	28 Sat53CF	na	na
chr34	44069108	44069391	284 Sat44CF	na	na
chr34	44338564	44339691	1128 Sat184CF	na	na
chr34	44414733	44414832	100 Sat27CF	na	na
chr34	44559485	44559830	346 Sat16CF	na	na
chr34	44680131	44680441	311 Sat14CF	na	na
chr34	44813398	44813600	203 Sat43CF	na	na
chr34	44965507	44965545	39 Sat96CF	na	na
chr34	45119549	45119852	304 Sat29CF	na	na
chr35	3016318	3017041	724 Sat2CF	purple	pericen
chr35	3016898	3017060	163 Sat2CF	purple	pericen
chr35	3035569	3036031	463 Sat2CF	purple	pericen
chr35	3061799	3061919	121 Sat2CF	purple	pericen
chr35	3061814	3061923	110 Sat2CF	purple	pericen
chr35	3724864	3725318	455 Sat42CF	na	pericen
chr35	4106968	4107077	110 Sat62CF	na	pericen
chr35	5016191	5016425	235 Sat21CF	na	na
chr35	11338762	11339733	972 Sat39CF	na	na
chr35	19264291	19264464	174 SAT1_CF	blue	na
chr35	19383877	19383946	70 Sat31CF	na	na
chr35	21344610	21344660	51 SUBTEL_sa	na	na
chr35	23134541	23134572	32 Sat11CF	na	na

chr35	24844183	24844260	78 Sat42CF	na	na
chr35	27396573	27396669	97 Carsat3	green	na
chr35	27396952	27397618	667 Carsat3	green	na
chr35	27726186	27727591	1406 Carsat3	green	na
chr35	27740793	27741463	671 Carsat3	green	na
chr35	27741650	27741679	30 Carsat3	green	na
chr35	27741690	27741938	249 Carsat3	green	na
chr35	27761759	27762556	798 Carsat3	green	na
chr35	27765790	27766425	636 Sat103CF	na	na
chr35	27765857	27766889	1033 Sat103CF	na	na
chr35	27766968	27767314	347 Sat103CF	na	na
chr35	27767504	27768862	1359 Sat103CF	na	na
chr35	27768663	27768885	223 Sat103CF	na	na
chr35	27794682	27796278	1597 Carsat3	green	na
chr35	28271167	28271694	528 Carsat3	green	na
chr35	28277093	28277225	133 Carsat3	green	na
chr35	28277257	28277445	189 Carsat3	green	na
chr35	28287142	28287939	798 Carsat3	green	na
chr35	28305828	28306237	410 Carsat3	green	na
chr35	28335173	28335963	791 Carsat3	green	na
chr35	28343956	28344118	163 Carsat3	green	na
chr35	28344229	28344537	309 Carsat3	green	na
chr35	28361824	28362405	582 Carsat3	green	na
chr35	28362448	28362808	361 Carsat3	green	na
chr35	28401964	28402131	168 Carsat3	green	na
chr35	28402232	28402624	393 Carsat3	green	na
chr35	28433324	28434043	720 Carsat3	green	na
chr35	28474454	28475047	594 Carsat3	green	na
chr35	28514550	28514942	393 Carsat3	green	na
chr35	28515043	28515210	168 Carsat3	green	na
chr35	28537443	28537886	444 Carsat3	green	na
chr35	28546496	28547534	1039 Carsat3	green	na
chr35	28568056	28568462	407 Carsat3	green	na
chr35	28584239	28584882	644 Carsat3	green	na
chr35	28999009	28999223	215 Carsat3	green	na
chr35	29403467	29403707	241 Sat74CF	na	na
chr35	29473840	29474512	673 Carsat2	orange	na
chr35	29474691	29475541	851 Carsat2	orange	na
chr35	29475718	29477627	1910 Carsat2	orange	na
chr35	29478874	29479226	353 Carsat2	orange	na
chr35	29539909	29540432	524 Carsat2	orange	na
chr35	29540639	29542582	1944 Carsat2	orange	na

chr36	3491042	3491547	506 Sat13CF	na	pericen
chr36	9161650	9161704	55 Sat104CF	na	na
chr36	10699068	10699286	219 Sat17CF	na	na
chr36	11199656	11199737	82 Sat27CF	na	na
chr36	13184296	13185938	1643 Sat50CF	na	na
chr36	13640354	13640427	74 Sat26CF	na	na
chr36	15118521	15118552	32 Sat46CF	na	na
chr36	16047531	16047573	43 Sat137CF	na	na
chr36	23858453	23858645	193 CarSat1	red	na
chr36	23994835	23995349	515 Sat8CF	dgreen	na
chr36	23996465	23996967	503 Sat8CF	dgreen	na
chr36	23996630	23996968	339 Sat8CF	dgreen	na
chr36	25295446	25295546	101 Sat61CF	na	na
chr36	25296709	25296818	110 Sat61CF	na	na
chr36	25297007	25297123	117 Sat61CF	na	na
chr36	25297266	25297360	95 Sat61CF	na	na
chr36	25297614	25297736	123 Sat61CF	na	na
chr36	25298194	25298247	54 Sat61CF	na	na
chr36	25298625	25299602	978 Sat61CF	na	na
chr36	25299494	25299617	124 Sat61CF	na	na
chr36	25299693	25299803	111 Sat61CF	na	na
chr36	25299709	25301157	1449 Sat61CF	na	na
chr36	25300096	25301585	1490 Sat61CF	na	na
chr36	25300287	25301777	1491 Sat61CF	na	na
chr36	25301717	25301791	75 Sat61CF	na	na
chr36	25302006	25302329	324 Sat61CF	na	na
chr36	25302590	25302668	79 Sat61CF	na	na
chr36	25304313	25304922	610 Sat61CF	na	na
chr36	25304422	25304965	544 Sat61CF	na	na
chr36	25304449	25304922	474 Sat61CF	na	na
chr36	25306428	25306527	100 Sat61CF	na	na
chr36	25307069	25307185	117 Sat61CF	na	na
chr36	25307720	25307825	106 Sat61CF	na	na
chr36	25309405	25309429	25 Sat61CF	na	na
chr36	25310677	25310771	95 Sat61CF	na	na
chr36	25312040	25312136	97 Sat61CF	na	na
chr36	25312660	25312781	122 Sat61CF	na	na
chr36	25312710	25312793	84 Sat61CF	na	na
chr36	25314061	25314155	95 Sat61CF	na	na
chr36	25314073	25314155	83 Sat61CF	na	na
chr36	25314500	25314545	46 Sat130CF	na	na
chr36	25314520	25314545	26 Sat51CF	na	na

chr36	25315017	25315118	102 Sat61CF	na	na
chr36	25315287	25315403	117 Sat61CF	na	na
chr36	25315304	25315403	100 Sat61CF	na	na
chr36	25315641	25315755	115 Sat61CF	na	na
chr36	25316209	25316303	95 Sat61CF	na	na
chr36	25316472	25316608	137 Sat61CF	na	na
chr36	25317149	25317251	103 Sat61CF	na	na
chr36	25321866	25321968	103 Sat61CF	na	na
chr36	25326089	25326182	94 Sat61CF	na	na
chr36	25329694	25329807	114 Sat61CF	na	na
chr36	28066013	28066817	805 Sat150CF	na	na
chr36	28066040	28066912	873 Sat64CF	na	na
chr36	31936356	31937679	1324 Sat95CF	na	na
chr36	32075425	32075465	41 Sat185CF	na	na
chr36	33222037	33222392	356 Sat94CF	na	na
chr37	3002799	3003510	712 CarSat1	red	pericen
chr37	3005142	3005339	198 Sat2CF	purple	pericen
chr37	3005210	3006294	1085 Sat2CF	purple	pericen
chr37	3027394	3028501	1108 Sat2CF	purple	pericen
chr37	3051274	3051632	359 Sat2CF	purple	pericen
chr37	3051351	3051695	345 Sat2CF	purple	pericen
chr37	3064180	3065255	1076 Sat2CF	purple	pericen
chr37	3088743	3089922	1180 Sat2CF	purple	pericen
chr37	3113193	3113700	508 Sat2CF	purple	pericen
chr37	3113246	3114583	1338 Sat2CF	purple	pericen
chr37	3142173	3142732	560 SAT1_CF	blue	pericen
chr37	3732909	3733291	383 Sat4CF	lred	pericen
chr37	4503586	4503976	391 Sat14CF	na	pericen
chr37	6790761	6791050	290 Sat18CF	na	na
chr37	8759079	8759492	414 Sat82CF	na	na
chr37	8759122	8759994	873 Sat82CF	na	na
chr37	9258638	9258804	167 CarSat1	red	na
chr37	9287051	9287202	152 Sat17CF	na	na
chr37	9287385	9287470	86 Sat17CF	na	na
chr37	13849309	13849372	64 Sat165CF	na	na
chr37	15375205	15375675	471 Sat17CF	na	na
chr37	16905874	16905960	87 Sat62CF	na	na
chr37	25784412	25784456	45 Sat139CF	na	na
chr37	25850831	25850914	84 Sat77CF	na	na
chr37	27782787	27783062	276 Sat30CF	na	na
chr37	30562301	30562412	112 Sat61CF	na	na
chr37	31800834	31801149	316 Sat65CF	na	na

chr37	31800854	31801132	279 Sat65CF	na	na
chr37	32001043	32001250	208 Sat42CF	na	na
chr37	33871061	33871801	741 Sat4CF	lred	na
chr38	3428370	3428419	50 Sat109CF	na	pericen
chr38	3975198	3975256	59 Sat52CF	na	pericen
chr38	16375482	16376726	1245 Sat137CF	na	na
chr38	17900830	17901187	358 Sat38CF	na	na
chr38	17976848	17976890	43 Sat45CF	na	na
chr38	18020983	18021079	97 Sat107CF	na	na
chr38	19431261	19431489	229 Sat140CF	na	na
chr38	19431290	19431489	200 Sat140CF	na	na
chr38	19800080	19800181	102 Sat42CF	na	na
chr38	21381053	21381121	69 Sat63CF	na	na
chr38	24257956	24258038	83 Sat107CF	na	na
chr38	24641354	24641517	164 CarSat1	red	na
chr38	24987467	24987500	34 Sat11CF	na	na
chr38	25202886	25203049	164 Sat51CF	na	na
chr38	25231901	25232303	403 CarSat1	red	na
chr38	25320995	25322765	1771 Sat166CF	na	na
chr38	25322766	25322854	89 Sat166CF	na	na
chr38	25806326	25807025	700 Sat28CF	na	na
chr38	26526592	26528232	1641 Sat68CF	na	na
chr38	26528202	26528237	36 Sat68CF	na	na
chr38	26579624	26579888	265 Sat74CF	na	na
chr38	26587070	26588145	1076 Sat69CF	na	na
chr38	26893494	26894756	1263 SAT1_CF	blue	na
chr38	26897623	26897726	104 Sat2CF	purple	na
chr4	3153148	3154074	927 Carsat3	green	pericen
chr4	3154085	3154235	151 Carsat3	green	pericen
chr4	3263752	3264634	883 Carsat3	green	pericen
chr4	3264667	3264793	127 Carsat3	green	pericen
chr4	3333315	3335012	1698 Carsat3	green	pericen
chr4	3394186	3394311	126 Carsat3	green	pericen
chr4	3394355	3395876	1522 Carsat3	green	pericen
chr4	3434857	3436229	1373 Carsat3	green	pericen
chr4	3436427	3436500	74 Carsat3	green	pericen
chr4	5914923	5915060	138 Carsat3	green	na
chr4	5915165	5915395	231 Carsat3	green	na
chr4	8485816	8485893	78 Carsat2	orange	na
chr4	8643305	8643614	310 Sat51CF	na	na
chr4	8643337	8643602	266 Sat51CF	na	na
chr4	10002922	10002988	67 Sat58CF	na	na

chr4	10523727	10523986	260 Sat60CF	na	na
chr4	10523750	10524014	265 Sat97CF	na	na
chr4	12206107	12206158	52 Sat69CF	na	na
chr4	12505827	12505881	55 Sat37CF	na	na
chr4	13511576	13511962	387 Carsat2	orange	na
chr4	13512176	13512598	423 Carsat2	orange	na
chr4	13512609	13513744	1136 Carsat2	orange	na
chr4	13513911	13514745	835 Carsat2	orange	na
chr4	13532340	13532805	466 Carsat2	orange	na
chr4	14945683	14945973	291 Sat17CF	na	na
chr4	16916896	16917385	490 Sat17CF	na	na
chr4	17516166	17516219	54 Sat110CF	na	na
chr4	17784193	17784325	133 CarSat1	red	na
chr4	23762145	23762428	284 Sat28CF	na	na
chr4	26167268	26167501	234 Sat50CF	na	na
chr4	26167284	26167482	199 Sat50CF	na	na
chr4	28755779	28755980	202 Sat12CF	na	na
chr4	30469997	30470064	68 Sat36CF	na	na
chr4	30765053	30765682	630 CarSat1	red	na
chr4	31448019	31448169	151 Sat49CF	na	na
chr4	33694129	33694186	58 Sat63CF	na	na
chr4	36743575	36743945	371 Sat47CF	na	na
chr4	36743653	36743958	306 Sat18CF	na	na
chr4	36888128	36888586	459 Sat64CF	na	na
chr4	36888129	36888642	514 Sat64CF	na	na
chr4	36961643	36961795	153 Sat53CF	na	na
chr4	37728604	37728952	349 Sat47CF	na	na
chr4	37779962	37780029	68 Sat21CF	na	na
chr4	37991493	37992066	574 Sat19CF	na	na
chr4	38331642	38332305	664 Carsat2	orange	na
chr4	38358961	38359703	743 CarSat1	red	na
chr4	38365927	38368704	2778 CarSat1	red	na
chr4	38368717	38369141	425 CarSat1	red	na
chr4	38379095	38380224	1130 Carsat2	orange	na
chr4	38380276	38380684	409 Carsat2	orange	na
chr4	38380883	38381505	623 Carsat2	orange	na
chr4	38395185	38395400	216 Carsat2	orange	na
chr4	38395567	38395634	68 Carsat2	orange	na
chr4	38396076	38397235	1160 Carsat2	orange	na
chr4	38397424	38397438	15 Carsat2	orange	na
chr4	38397541	38397633	93 Carsat2	orange	na
chr4	38397882	38399357	1476 Carsat2	orange	na

chr4	38399350	38400754	1405	CarSat1	red	na
chr4	38400972	38401517	546	CarSat1	red	na
chr4	38404507	38407662	3156	CarSat1	red	na
chr4	38407468	38408267	800	Carsat2	orange	na
chr4	38407851	38408338	488	CarSat1	red	na
chr4	38413660	38414393	734	Carsat2	orange	na
chr4	38414509	38415051	543	Carsat2	orange	na
chr4	38415283	38415882	600	Carsat2	orange	na
chr4	38415911	38416113	203	Carsat2	orange	na
chr4	38416276	38417074	799	Carsat2	orange	na
chr4	38417206	38418154	949	Carsat2	orange	na
chr4	38418966	38420247	1282	Carsat2	orange	na
chr4	38422918	38424201	1284	Carsat2	orange	na
chr4	38424397	38425680	1284	Carsat2	orange	na
chr4	38425866	38425973	108	CarSat1	red	na
chr4	43917168	43917227	60	Sat107CF	na	na
chr4	45520721	45520795	75	Sat12CF	na	na
chr4	55171845	55171920	76	Sat109CF	na	na
chr4	59244519	59244578	60	Sat94CF	na	na
chr4	61353947	61354025	79	Sat150CF	na	na
chr4	61399648	61399939	292	Sat5CF	stalk	na
chr4	61439010	61439718	709	Carsat3	green	na
chr4	61479483	61480602	1120	Carsat3	green	na
chr4	61507760	61508934	1175	Carsat3	green	na
chr4	63150623	63150761	139	Sat5CF	stalk	na
chr4	66498818	66498890	73	CarSat1	red	na
chr4	70867682	70868256	575	Carsat3	green	na
chr4	73436287	73436537	251	Sat17CF	na	na
chr4	73436308	73436411	104	Sat17CF	na	na
chr4	73436410	73436497	88	Sat17CF	na	na
chr4	76870835	76871163	329	Sat7CF	lime	na
chr4	81421154	81421236	83	Sat77CF	na	na
chr4	83027623	83027659	37	Sat108CF	na	na
chr4	84810523	84811055	533	Sat137CF	na	na
chr4	87622024	87622193	170	Sat47CF	na	na
chr4	89049659	89049937	279	Sat74CF	na	na
chr4	90565466	90565592	127	Sat129CF	na	na
chr4	90565500	90567088	1589	Sat129CF	na	na
chr4	90566987	90567128	142	Sat129CF	na	na
chr4	90829823	90830558	736	Sat82CF	na	na
chr4	91483001	91483774	774	Carsat2	orange	na
chr5	3104337	3104874	538	SAT1_CF	blue	pericen

chr5	3287415	3287615	201 Sat13CF	na	pericen
chr5	3287743	3289114	1372 Sat13CF	na	pericen
chr5	3349950	3351755	1806 Sat49CF	na	pericen
chr5	3931265	3931409	145 Sat42CF	na	pericen
chr5	3931342	3931409	68 Sat42CF	na	pericen
chr5	4376400	4377844	1445 Sat113CF	na	pericen
chr5	7314136	7314168	33 Sat94CF	na	na
chr5	7513878	7514255	378 Sat38CF	na	na
chr5	7513929	7514269	341 Sat38CF	na	na
chr5	7839065	7839742	678 Carsat3	green	na
chr5	7839974	7840193	220 Carsat3	green	na
chr5	9682522	9682647	126 Sat27CF	na	na
chr5	10349000	10349050	51 Sat59CF	na	na
chr5	11848393	11848663	271 Sat108CF	na	na
chr5	11848407	11848629	223 Sat108CF	na	na
chr5	12200885	12200922	38 Sat103CF	na	na
chr5	13496797	13496829	33 Sat139CF	na	na
chr5	13725211	13725366	156 Carsat3	green	na
chr5	13725447	13725673	227 Carsat3	green	na
chr5	13725815	13725955	141 Carsat3	green	na
chr5	17355426	17355514	89 SAT1_CF	blue	na
chr5	17396775	17396848	74 Sat21CF	na	na
chr5	18672915	18672972	58 Sat39CF	na	na
chr5	18752121	18752249	129 CarSat1	red	na
chr5	19751170	19751244	75 SUBTEL_sa	na	na
chr5	21378362	21378479	118 Sat9CF	na	na
chr5	22099920	22100094	175 Carsat3	green	na
chr5	26712074	26712177	104 Sat17CF	na	na
chr5	26712378	26712520	143 Sat17CF	na	na
chr5	33026342	33027364	1023 Sat2CF	purple	na
chr5	33027220	33027382	163 Sat2CF	purple	na
chr5	33085406	33085767	362 Sat7CF	lime	na
chr5	33085552	33085797	246 Sat7CF	lime	na
chr5	33092007	33092088	82 Carsat2	orange	na
chr5	33092342	33092834	493 Carsat2	orange	na
chr5	33093033	33093079	47 CarSat1	red	na
chr5	33093104	33093586	483 Carsat2	orange	na
chr5	33100719	33100911	193 CarSat1	red	na
chr5	33102937	33103252	316 Carsat2	orange	na
chr5	33105323	33105932	610 Sat2CF	purple	na
chr5	33105392	33106737	1346 Sat2CF	purple	na
chr5	33105562	33106863	1302 Sat2CF	purple	na

chr5	33105914	33107174	1261 Sat2CF	purple	na
chr5	33107081	33108386	1306 Sat2CF	purple	na
chr5	33108345	33109611	1267 Sat2CF	purple	na
chr5	33109697	33110949	1253 Sat2CF	purple	na
chr5	33110960	33111082	123 Sat2CF	purple	na
chr5	33111083	33112327	1245 Sat2CF	purple	na
chr5	33112330	33112884	555 Sat2CF	purple	na
chr5	33554451	33554705	255 Sat18CF	na	na
chr5	34076634	34076734	101 Sat72CF	na	na
chr5	34578651	34578818	168 Carsat3	green	na
chr5	34578851	34579748	898 Carsat3	green	na
chr5	34597176	34597415	240 Carsat3	green	na
chr5	35730591	35730992	402 CarSat1	red	na
chr5	36496178	36496574	397 Sat53CF	na	na
chr5	36496184	36496465	282 Sat21CF	na	na
chr5	36557292	36557361	70 Sat89CF	na	na
chr5	36812855	36813004	150 Sat43CF	na	na
chr5	37132279	37132374	96 SAT1_CF	blue	na
chr5	38967394	38967561	168 Sat60CF	na	na
chr5	39020625	39020831	207 Sat161CF	na	na
chr5	39020648	39021671	1024 Sat161CF	na	na
chr5	39053782	39054168	387 Carsat3	green	na
chr5	39536976	39537023	48 Sat118CF	na	na
chr5	39943401	39943480	80 Sat10CF	na	na
chr5	40436888	40436937	50 Sat2CF	purple	na
chr5	41161391	41161557	167 Sat17CF	na	na
chr5	42191159	42191288	130 Carsat3	green	na
chr5	42191334	42191462	129 Carsat3	green	na
chr5	42202690	42204109	1420 Carsat3	green	na
chr5	42244122	42245066	945 Carsat3	green	na
chr5	42276441	42276901	461 Carsat3	green	na
chr5	42276912	42277845	934 Carsat3	green	na
chr5	42278033	42278210	178 Carsat3	green	na
chr5	42278262	42278448	187 Carsat3	green	na
chr5	42320913	42322706	1794 Carsat3	green	na
chr5	42398606	42399877	1272 Carsat3	green	na
chr5	42412540	42412649	110 Carsat3	green	na
chr5	42412831	42412877	47 Carsat3	green	na
chr5	42413090	42413210	121 Carsat3	green	na
chr5	42413579	42413847	269 Carsat3	green	na
chr5	42534165	42534848	684 Sat17CF	na	na
chr5	44519507	44519593	87 Sat69CF	na	na

chr5	44712034	44712093	60 SUBTEL_sa	na	na
chr5	45249743	45249790	48 Sat129CF	na	na
chr5	45888666	45888766	101 Carsat3	green	na
chr5	46244734	46244796	63 Sat32CF	na	na
chr5	50891269	50891496	228 Sat17CF	na	na
chr5	51387602	51388224	623 Sat44CF	na	na
chr5	53417388	53417443	56 Sat2CF	purple	na
chr5	57579268	57579367	100 Sat5CF	stalk	na
chr5	59092110	59092318	209 SAT1_CF	blue	na
chr5	59262975	59263088	114 Sat16CF	na	na
chr5	60351913	60352106	194 Sat104CF	na	na
chr5	60553878	60554083	206 Sat5CF	stalk	na
chr5	60690262	60690332	71 Sat22CF	na	na
chr5	60749173	60749277	105 Sat5CF	stalk	na
chr5	60892561	60892609	49 Sat16CF	na	na
chr5	60968938	60969307	370 Sat72CF	na	na
chr5	60988760	60988887	128 Carsat3	green	na
chr5	61442217	61442254	38 Sat150CF	na	na
chr5	62110604	62111326	723 Sat65CF	na	na
chr5	62110626	62111547	922 Sat24CF	na	na
chr5	62982291	62982514	224 Sat166CF	na	na
chr5	63940929	63941139	211 Sat43CF	na	na
chr5	63947944	63948069	126 Sat180CF	na	na
chr5	63947996	63949115	1120 Sat180CF	na	na
chr5	65273036	65273079	44 Sat63CF	na	na
chr5	66553210	66553474	265 Sat2CF	purple	na
chr5	66553230	66553502	273 Sat2CF	purple	na
chr5	66566318	66566775	458 Carsat3	green	na
chr5	67468584	67469117	534 Sat112CF	na	na
chr5	67468787	67470246	1460 Sat112CF	na	na
chr5	67470204	67470251	48 Sat112CF	na	na
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chr5	69827318	69827438	121 Sat18CF	na	na
chr5	70473125	70474363	1239 Sat41CF	na	na
chr5	70501516	70501592	77 Sat9CF	na	na
chr5	73420956	73421009	54 Sat25CF	na	na
chr5	76273343	76273424	82 Sat58CF	na	na
chr5	76985756	76985947	192 Sat12CF	na	na
chr5	78548654	78549361	708 Carsat3	green	na
chr5	80253727	80255246	1520 Carsat3	green	na
chr5	80278287	80279070	784 Carsat3	green	na
chr5	80298666	80298832	167 Carsat3	green	na

chr5	80307115	80307251	137	Carsat3	green	na
chr5	80307435	80307920	486	Carsat3	green	na
chr5	83997955	83998723	769	Carsat3	green	na
chr5	83998739	83999240	502	Carsat3	green	na
chr5	83999257	83999422	166	Carsat3	green	na
chr5	84615900	84615945	46	Sat52CF	na	na
chr5	84929457	84929539	83	Sat110CF	na	na
chr5	84981437	84981567	131	Sat5CF	stalk	na
chr5	86044221	86044296	76	CarSat1	red	na
chr5	86248335	86248559	225	Sat28CF	na	na
chr5	87660125	87660447	323	Sat119CF	na	na
chr5	87660160	87662369	2210	Sat119CF	na	na
chr5	90615022	90615934	913	Sat111CF	na	na
chr5	90992351	90992858	508	Sat85CF	na	na
chr5	91060107	91060203	97	Sat101CF	na	na
chr5	91060120	91061524	1405	Sat101CF	na	na
chr5	91061299	91061550	252	Sat101CF	na	na
chr5	91975121	91975868	748	Carsat2	orange	na
chr6	3000002	3001036	1035	CarSat1	red	pericen
chr6	3001078	3001532	455	CarSat1	red	pericen
chr6	3001548	3002511	964	CarSat1	red	pericen
chr6	3002538	3003248	711	CarSat1	red	pericen
chr6	3003275	3004723	1449	CarSat1	red	pericen
chr6	3004750	3010352	5603	CarSat1	red	pericen
chr6	3010377	3011834	1458	CarSat1	red	pericen
chr6	3011850	3013288	1439	CarSat1	red	pericen
chr6	3013321	3014026	706	CarSat1	red	pericen
chr6	3014059	3014934	876	CarSat1	red	pericen
chr6	3015130	3015843	714	CarSat1	red	pericen
chr6	3024488	3025079	592	CarSat1	red	pericen
chr6	3025275	3026375	1101	CarSat1	red	pericen
chr6	3026409	3026554	146	CarSat1	red	pericen
chr6	3026930	3027203	274	CarSat1	red	pericen
chr6	3033240	3033617	378	Sat2CF	purple	pericen
chr6	3033300	3034161	862	Sat2CF	purple	pericen
chr6	3033301	3034267	967	Sat2CF	purple	pericen
chr6	3034476	3035852	1377	SAT1_CF	blue	pericen
chr6	3035881	3036283	403	CarSat1	red	pericen
chr6	3036302	3036995	694	CarSat1	red	pericen
chr6	3037181	3038023	843	CarSat1	red	pericen
chr6	3038041	3038724	684	CarSat1	red	pericen
chr6	3055079	3055878	800	Sat2CF	purple	pericen

chr6	3068425	3069676	1252 Sat2CF	purple	pericen
chr6	3068555	3069640	1086 Sat2CF	purple	pericen
chr6	3072557	3073302	746 CarSat1	red	pericen
chr6	3073320	3074095	776 CarSat1	red	pericen
chr6	3074122	3074965	844 CarSat1	red	pericen
chr6	3075163	3075828	666 CarSat1	red	pericen
chr6	3085088	3085360	273 Carsat2	orange	pericen
chr6	3085116	3085771	656 CarSat1	red	pericen
chr6	3085789	3086631	843 CarSat1	red	pericen
chr6	3086818	3086960	143 CarSat1	red	pericen
chr6	3090843	3090989	147 Sat2CF	purple	pericen
chr6	3090865	3091941	1077 Sat2CF	purple	pericen
chr6	3173219	3173932	714 Sat2CF	purple	pericen
chr6	3173799	3173960	162 Sat2CF	purple	pericen
chr6	3273299	3274319	1021 SAT1_CF	blue	pericen
chr6	3274335	3277392	3058 SAT1_CF	blue	pericen
chr6	3277422	3277821	400 SAT1_CF	blue	pericen
chr6	3277819	3279888	2070 CarSat1	red	pericen
chr6	3279906	3281832	1927 CarSat1	red	pericen
chr6	3281852	3282468	617 CarSat1	red	pericen
chr6	3282878	3283006	129 CarSat1	red	pericen
chr6	3283192	3284211	1020 CarSat1	red	pericen
chr6	3284393	3285135	743 CarSat1	red	pericen
chr6	3285160	3285298	139 CarSat1	red	pericen
chr6	3360453	3360998	546 Carsat3	green	pericen
chr6	3361153	3361237	85 Carsat3	green	pericen
chr6	8202675	8202768	94 Sat104CF	na	na
chr6	8757646	8757891	246 Carsat2	orange	na
chr6	9313802	9313875	74 Sat96CF	na	na
chr6	9383155	9383364	210 Sat12CF	na	na
chr6	10824341	10824743	403 CarSat1	red	na
chr6	11611685	11611980	296 Carsat3	green	na
chr6	11628381	11628560	180 CarSat1	red	na
chr6	11812622	11814753	2132 Sat62CF	na	na
chr6	11814754	11818479	3726 Sat62CF	na	na
chr6	11818493	11818612	120 Sat62CF	na	na
chr6	11842185	11845260	3076 Sat115CF	na	na
chr6	11842747	11846220	3474 Sat115CF	na	na
chr6	11846280	11847122	843 Sat115CF	na	na
chr6	11847140	11847264	125 Sat115CF	na	na
chr6	12515725	12516259	535 Carsat3	green	na
chr6	12516276	12516413	138 Carsat3	green	na

chr6	12531703	12532549	847 Carsat3	green	na
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chr6	12573296	12573437	142 Carsat3	green	na
chr6	12576471	12577050	580 Carsat3	green	na
chr6	12942585	12942963	379 Carsat3	green	na
chr6	12977838	12978083	246 Carsat3	green	na
chr6	12978098	12978883	786 Carsat3	green	na
chr6	12993121	12993976	856 Carsat3	green	na
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chr6	12994584	12994674	91 Carsat3	green	na
chr6	13021909	13022018	110 Carsat3	green	na
chr6	13022278	13022656	379 Carsat3	green	na
chr6	13022705	13023175	471 Carsat3	green	na
chr6	13025736	13026088	353 Carsat3	green	na
chr6	13057399	13057974	576 Carsat3	green	na
chr6	13064633	13065366	734 Carsat3	green	na
chr6	13099627	13099769	143 Carsat2	orange	na
chr6	13102210	13103216	1007 Carsat3	green	na
chr6	13634604	13634719	116 Carsat3	green	na
chr6	13698673	13698729	57 Sat10CF	na	na
chr6	15033092	15033306	215 Carsat3	green	na
chr6	15033422	15035588	2167 Carsat3	green	na
chr6	15047604	15047830	227 Carsat3	green	na
chr6	15047844	15049216	1373 Carsat3	green	na
chr6	15102687	15103761	1075 Carsat3	green	na
chr6	15103773	15104332	560 Carsat3	green	na
chr6	15104385	15104541	157 Carsat3	green	na
chr6	15136636	15136998	363 Carsat3	green	na
chr6	16226943	16227183	241 Sat84CF	na	na
chr6	17622686	17622798	113 Sat5CF	stalk	na
chr6	17624130	17624624	495 Sat57CF	na	na
chr6	18552206	18552400	195 Sat70CF	na	na
chr6	19636141	19636874	734 Sat2CF	purple	na
chr6	19636718	19636894	177 Sat2CF	purple	na
chr6	19798345	19798459	115 Carsat3	green	na
chr6	20404065	20404555	491 Carsat3	green	na
chr6	20404977	20405196	220 Carsat3	green	na
chr6	20601270	20601390	121 Carsat3	green	na
chr6	20608446	20608851	406 Sat42CF	na	na
chr6	20609785	20609960	176 Carsat3	green	na
chr6	20647834	20648260	427 Carsat3	green	na
chr6	20648318	20648379	62 Carsat3	green	na

chr6	20716538	20716640	103 Carsat3	green	na
chr6	20716721	20716885	165 Carsat3	green	na
chr6	20944061	20944395	335 Sat19CF	na	na
chr6	20951784	20951857	74 CarSat1	red	na
chr6	22305765	22305889	125 Sat5CF	stalk	na
chr6	23837740	23837814	75 Sat179CF	na	na
chr6	23992055	23992355	301 Carsat3	green	na
chr6	25585395	25585716	322 Carsat2	orange	na
chr6	34590118	34590481	364 Sat28CF	na	na
chr6	34835010	34835264	255 Sat12CF	na	na
chr6	34835078	34835258	181 Sat12CF	na	na
chr6	35378354	35378413	60 Sat165CF	na	na
chr6	35516691	35516741	51 Sat45CF	na	na
chr6	35516699	35520853	4155 Sat45CF	na	na
chr6	35520912	35523575	2664 Sat45CF	na	na
chr6	36523217	36523462	246 Sat85CF	na	na
chr6	36523463	36525338	1876 Sat85CF	na	na
chr6	36525334	36525598	265 Sat85CF	na	na
chr6	36525635	36525793	159 Sat85CF	na	na
chr6	36525796	36527672	1877 Sat85CF	na	na
chr6	36527673	36527749	77 Sat85CF	na	na
chr6	36570023	36570097	75 Sat126CF	na	na
chr6	39703439	39703687	249 Carsat3	green	na
chr6	40839330	40839607	278 Carsat3	green	na
chr6	40839636	40839724	89 Carsat3	green	na
chr6	40839876	40840110	235 Carsat3	green	na
chr6	40863562	40863827	266 Carsat3	green	na
chr6	40880041	40880316	276 Carsat3	green	na
chr6	40963221	40963648	428 Carsat3	green	na
chr6	40984374	40985150	777 Carsat3	green	na
chr6	41042419	41042699	281 Carsat3	green	na
chr6	41127000	41127162	163 Carsat3	green	na
chr6	41127419	41127581	163 Carsat3	green	na
chr6	41783943	41784007	65 Sat89CF	na	na
chr6	42134939	42136364	1426 Sat117CF	na	na
chr6	42148750	42148823	74 Sat107CF	na	na
chr6	42212458	42213526	1069 Sat159CF	na	na
chr6	42566330	42566684	355 Sat5CF	stalk	na
chr6	42903984	42904206	223 SAT1_CF	blue	na
chr6	43314588	43314805	218 Sat30CF	na	na
chr6	43494570	43494616	47 Sat114CF	na	na
chr6	43504082	43504272	191 Sat2CF	purple	na

chr6	43531062	43532425	1364 SAT1_CF	blue	na
chr6	43537080	43537406	327 Sat2CF	purple	na
chr6	43537112	43537402	291 Sat2CF	purple	na
chr6	43639399	43640269	871 Sat2CF	purple	na
chr6	43639462	43640241	780 Sat2CF	purple	na
chr6	43643039	43644121	1083 SAT1_CF	blue	na
chr6	43644166	43646491	2326 SAT1_CF	blue	na
chr6	43646502	43647425	924 SAT1_CF	blue	na
chr6	43647442	43647698	257 SAT1_CF	blue	na
chr6	43647726	43649397	1672 SAT1_CF	blue	na
chr6	43649427	43650887	1461 CarSat1	red	na
chr6	43650903	43651042	140 CarSat1	red	na
chr6	43651063	43651155	93 CarSat1	red	na
chr6	43651221	43651362	142 CarSat1	red	na
chr6	43651389	43651518	130 CarSat1	red	na
chr6	43651536	43652480	945 CarSat1	red	na
chr6	43652589	43654525	1937 CarSat1	red	na
chr6	43655007	43655194	188 CarSat1	red	na
chr6	43657275	43660479	3205 CarSat1	red	na
chr6	44375564	44375625	62 Sat30CF	na	na
chr6	44549617	44550191	575 CarSat1	red	na
chr6	44576283	44576449	167 Sat50CF	na	na
chr6	44781782	44783644	1863 Sat51CF	na	na
chr6	44918820	44918959	140 Sat4CF	lred	na
chr6	45205112	45206270	1159 Sat104CF	na	na
chr6	47787190	47787356	167 Sat17CF	na	na
chr6	49188173	49188517	345 Sat17CF	na	na
chr6	51908598	51909097	500 Sat44CF	na	na
chr6	53084252	53084795	544 Sat37CF	na	na
chr6	53504119	53504214	96 Sat18CF	na	na
chr6	56003751	56003879	129 SUBTEL_sa	na	na
chr6	58506860	58507061	202 Sat51CF	na	na
chr6	58506918	58507070	153 Sat51CF	na	na
chr6	59538799	59538946	148 Carsat3	green	na
chr6	60638277	60638319	43 Sat89CF	na	na
chr6	61884793	61884843	51 Sat63CF	na	na
chr6	64169460	64169860	401 Sat141CF	na	na
chr6	64440492	64440821	330 Sat19CF	na	na
chr6	64531309	64531593	285 CarSat1	red	na
chr6	64579330	64579390	61 Sat32CF	na	na
chr6	66068736	66068817	82 Sat19CF	na	na
chr6	69024880	69024925	46 Sat7CF	lime	na

chr6	69337802	69337861	60 Sat126CF	na	na
chr6	69649512	69649558	47 Sat51CF	na	na
chr6	72368560	72369083	524 Sat125CF	na	na
chr6	72368561	72368961	401 Sat125CF	na	na
chr6	73019795	73020109	315 Sat18CF	na	na
chr6	75303509	75303554	46 Sat36CF	na	na
chr6	75616579	75616614	36 Sat41CF	na	na
chr6	79134813	79135439	627 Sat19CF	na	na
chr6	79967448	79968138	691 Sat100CF	na	na
chr6	79967549	79969458	1910 Sat100CF	na	na
chr6	79969397	79969466	70 Sat100CF	na	na
chr6	80639978	80641043	1066 SAT1_CF	blue	na
chr7	3516351	3516425	75 Sat128CF	na	pericen
chr7	3898522	3898991	470 Sat19CF	na	pericen
chr7	3946701	3947084	384 Sat114CF	na	pericen
chr7	4278502	4278589	88 SUBTEL_sa	na	pericen
chr7	5263763	5263880	118 Sat17CF	na	na
chr7	5525199	5525284	86 SAT1_CF	blue	na
chr7	5926427	5926539	113 Sat80CF	na	na
chr7	6071680	6072813	1134 Sat119CF	na	na
chr7	6071818	6072813	996 Sat79CF	na	na
chr7	7375720	7375821	102 Sat43CF	na	na
chr7	7497487	7497863	377 Sat24CF	na	na
chr7	7963635	7963992	358 CarSat1	red	na
chr7	8453308	8453411	104 Sat89CF	na	na
chr7	8822109	8822160	52 Sat55CF	na	na
chr7	9810516	9810606	91 Sat56CF	na	na
chr7	11222115	11222486	372 Sat12CF	na	na
chr7	11222328	11222487	160 Sat12CF	na	na
chr7	11868612	11868749	138 Sat12CF	na	na
chr7	14706802	14706895	94 Sat9CF	na	na
chr7	16365777	16365857	81 Sat150CF	na	na
chr7	18431083	18431183	101 Carsat3	green	na
chr7	18644166	18644217	52 Sat58CF	na	na
chr7	23943804	23944038	235 Carsat3	green	na
chr7	30594477	30594550	74 Sat165CF	na	na
chr7	36204606	36205533	928 Sat43CF	na	na
chr7	38412381	38412485	105 Carsat2	orange	na
chr7	38728498	38728811	314 Sat97CF	na	na
chr7	42281429	42281529	101 Sat60CF	na	na
chr7	44285623	44285672	50 Sat9CF	na	na
chr7	45313729	45314104	376 Sat134CF	na	na

chr7	45313772	45315071	1300 Sat134CF	na	na
chr7	45313952	45315210	1259 Sat134CF	na	na
chr7	45315131	45315232	102 Sat134CF	na	na
chr7	45949264	45949300	37 Sat36CF	na	na
chr7	46085938	46086166	229 Sat17CF	na	na
chr7	46511593	46511658	66 Sat12CF	na	na
chr7	46569291	46569637	347 Sat2CF	purple	na
chr7	46875475	46875525	51 Sat55CF	na	na
chr7	47844712	47844859	148 Sat172CF	na	na
chr7	51616045	51616232	188 Sat60CF	na	na
chr7	53875173	53875242	70 Sat67CF	na	na
chr7	57653025	57653314	290 Carsat3	green	na
chr7	57677955	57678334	380 Carsat3	green	na
chr7	57697044	57698868	1825 Carsat3	green	na
chr7	57726804	57727452	649 Carsat3	green	na
chr7	57733297	57734147	851 Carsat3	green	na
chr7	59480431	59480486	56 Sat92CF	na	na
chr7	62208443	62208506	64 Carsat3	green	na
chr7	65379680	65380004	325 CarSat1	red	na
chr7	67742511	67742566	56 Sat59CF	na	na
chr7	74724862	74725017	156 Carsat3	green	na
chr7	80568468	80568629	162 Sat19CF	na	na
chr7	81599056	81599285	230 Carsat2	orange	na
chr7	81607574	81608030	457 Carsat2	orange	na
chr7	81608331	81609817	1487 Carsat2	orange	na
chr7	81611639	81611803	165 Carsat2	orange	na
chr7	81612051	81612190	140 Carsat2	orange	na
chr7	81614757	81615126	370 Carsat2	orange	na
chr7	82835159	82835240	82 Sat63CF	na	na
chr7	83597104	83597649	546 Carsat2	orange	na
chr7	83917838	83921472	3635 Carsat2	orange	na
chr7	83921385	83921541	157 CarSat1	red	na
chr7	83921736	83922491	756 CarSat1	red	na
chr8	3015729	3015884	156 CarSat1	red	pericen
chr8	3198231	3198406	176 Sat18CF	na	pericen
chr8	3198248	3198433	186 Sat21CF	na	pericen
chr8	3198257	3198489	233 Sat21CF	na	pericen
chr8	3372569	3372900	332 Carsat2	orange	pericen
chr8	3751311	3752416	1106 Carsat2	orange	pericen
chr8	3759741	3760264	524 Carsat2	orange	pericen
chr8	3760279	3760683	405 Carsat2	orange	pericen
chr8	3760735	3763535	2801 Carsat2	orange	pericen

chr8	3763651	3764070	420	Carsat2	orange	pericen
chr8	3764200	3767497	3298	Carsat2	orange	pericen
chr8	3767535	3768094	560	Carsat2	orange	pericen
chr8	3768108	3769476	1369	Carsat2	orange	pericen
chr8	5157634	5158387	754	Carsat2	orange	na
chr8	6048853	6050262	1410	SAT1_CF	blue	na
chr8	7385210	7385484	275	Sat47CF	na	na
chr8	8270693	8270896	204	Sat17CF	na	na
chr8	14277193	14277421	229	Carsat3	green	na
chr8	18166358	18166392	35	Sat62CF	na	na
chr8	20608837	20608881	45	Sat76CF	na	na
chr8	28565308	28565385	78	Sat32CF	na	na
chr8	30738944	30739035	92	Sat36CF	na	na
chr8	33708674	33708712	39	Sat21CF	na	na
chr8	41445609	41445660	52	Sat32CF	na	na
chr8	43873579	43873718	140	Carsat3	green	na
chr8	45057128	45057463	336	Carsat3	green	na
chr8	45844753	45844828	76	Sat89CF	na	na
chr8	51127613	51127778	166	Sat13CF	na	na
chr8	56697132	56697184	53	Sat179CF	na	na
chr8	58670603	58670708	106	Sat30CF	na	na
chr8	58842480	58842779	300	Carsat3	green	na
chr8	64052703	64052868	166	Carsat3	green	na
chr8	64053060	64053172	113	Carsat3	green	na
chr8	64053212	64053414	203	Carsat3	green	na
chr8	64513666	64513722	57	Sat46CF	na	na
chr8	65418180	65419268	1089	Carsat2	orange	na
chr8	65488531	65488589	59	Sat22CF	na	na
chr8	65715941	65716054	114	Carsat3	green	na
chr8	65716076	65716359	284	Carsat3	green	na
chr8	66053147	66053748	602	Sat3CF	optpurple	na
chr8	66485324	66485556	233	Sat17CF	na	na
chr8	66814663	66814859	197	Sat72CF	na	na
chr8	69749419	69749568	150	Sat14CF	na	na
chr8	70660711	70661262	552	CarSat1	red	na
chr8	72130594	72131685	1092	Sat76CF	na	na
chr8	72130723	72131904	1182	Sat76CF	na	na
chr8	72131783	72131926	144	Sat76CF	na	na
chr8	74130113	74130165	53	Sat130CF	na	na
chr8	74848414	74849085	672	Sat42CF	na	na
chr8	74983803	74984238	436	Sat4CF	lred	na
chr8	75015775	75016067	293	CarSat1	red	na

chr8	75021816	75022226	411 Sat79CF	na	na
chr8	75189660	75190036	377 CarSat1	red	na
chr8	75321989	75322156	168 Sat5CF	stalk	na
chr8	75397369	75397592	224 Sat21CF	na	na
chr8	75468169	75470438	2270 Sat40CF	na	na
chr8	75469219	75471346	2128 Sat40CF	na	na
chr8	75529412	75529674	263 Sat74CF	na	na
chr8	75554476	75554563	88 Sat13CF	na	na
chr8	75742227	75742412	186 Sat38CF	na	na
chr8	75885469	75885568	100 Sat60CF	na	na
chr8	75887579	75887667	89 Sat5CF	stalk	na
chr8	75888170	75888192	23 Sat60CF	na	na
chr8	75888491	75888629	139 Sat60CF	na	na
chr8	75889125	75889162	38 Sat5CF	stalk	na
chr8	75903481	75904641	1161 Sat38CF	na	na
chr8	76335937	76336699	763 Carsat3	green	na
chr8	76652681	76652910	230 CarSat1	red	na
chr8	76907728	76907973	246 CarSat1	red	na
chr9	3008904	3009312	409 Sat28CF	na	pericen
chr9	3008942	3009340	399 Sat118CF	na	pericen
chr9	3009341	3010457	1117 Sat118CF	na	pericen
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chr9	3010429	3010520	92 Sat28CF	na	pericen
chr9	3010459	3010510	52 Sat118CF	na	pericen
chr9	3521978	3522166	189 CarSat1	red	pericen
chr9	4764509	4764661	153 Sat176CF	na	pericen
chr9	4858043	4858641	599 Sat93CF	na	pericen
chr9	4871292	4871508	217 Sat17CF	na	pericen
chr9	4964052	4964088	37 Sat102CF	na	pericen
chr9	5080890	5080911	22 Sat16CF	na	na
chr9	5081005	5081033	29 Sat16CF	na	na
chr9	5126305	5126456	152 Sat172CF	na	na
chr9	5126328	5127697	1370 Sat172CF	na	na
chr9	5337566	5337692	127 Sat87CF	na	na
chr9	6530281	6530364	84 Sat18CF	na	na
chr9	6570854	6571400	547 Sat43CF	na	na
chr9	6912175	6912275	101 Sat34CF	na	na
chr9	9174164	9174418	255 Sat13CF	na	na
chr9	9611589	9612121	533 SAT1_CF	blue	na
chr9	9713730	9713876	147 Sat182CF	na	na
chr9	9833068	9833343	276 Sat135CF	na	na
chr9	12771507	12771552	46 Sat155CF	na	na

chr9	13367589	13368052	464 Sat10CF	na	na
chr9	13367636	13368806	1171 Sat10CF	na	na
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chr9	13368468	13369182	715 Sat10CF	na	na
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chr9	14343589	14343703	115 Carsat3	green	na
chr9	14343788	14344098	311 Carsat3	green	na
chr9	14344294	14344419	126 Carsat3	green	na
chr9	20064758	20064798	41 Sat56CF	na	na
chr9	21273313	21274329	1017 Sat10CF	na	na
chr9	21312852	21314096	1245 Sat10CF	na	na
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chr9	21313712	21314729	1018 Sat10CF	na	na
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chr9	21315311	21315554	244 Sat10CF	na	na
chr9	21341782	21342140	359 Sat10CF	na	na
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chr9	21849859	21849983	125 Sat12CF	na	na
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chr9	23697424	23697468	45 Sat8CF	dgreen	na
chr9	24478482	24478559	78 Sat12CF	na	na
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chr9	25480578	25480669	92 Sat137CF	na	na
chr9	25485115	25485408	294 Sat12CF	na	na
chr9	25698038	25698104	67 Sat118CF	na	na
chr9	26173742	26174160	419 CarSat1	red	na
chr9	27016125	27016512	388 Sat12CF	na	na
chr9	27043013	27043096	84 Sat12CF	na	na
chr9	27063853	27064062	210 Sat12CF	na	na
chr9	27063947	27064062	116 Sat12CF	na	na
chr9	28761674	28761792	119 Carsat3	green	na
chr9	28830110	28830213	104 Carsat3	green	na
chr9	28830268	28830426	159 Carsat3	green	na
chr9	28843504	28843571	68 Sat27CF	na	na
chr9	28955809	28955888	80 Sat12CF	na	na

chr9	28955819	28955888	70 Sat12CF	na	na
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chr9	35284804	35284877	74 Sat113CF	na	na
chr9	35686121	35686191	71 Sat13CF	na	na
chr9	36291234	36291440	207 CarSat1	red	na
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chr9	39888521	39888588	68 Sat16CF	na	na
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chr9	41917670	41917886	217 Sat12CF	na	na
chr9	41945443	41945630	188 Sat12CF	na	na
chr9	42032757	42032896	140 Sat12CF	na	na
chr9	42032789	42032897	109 Sat12CF	na	na
chr9	42070415	42070495	81 Sat165CF	na	na
chr9	45688271	45688334	64 Carsat3	green	na
chr9	46253001	46253200	200 Sat12CF	na	na
chr9	46253058	46253292	235 Sat12CF	na	na
chr9	46829223	46829278	56 Sat95CF	na	na
chr9	47959434	47959592	159 SUBTEL_sa	na	na
chr9	49684301	49684523	223 Sat17CF	na	na
chr9	50098702	50098773	72 Sat157CF	na	na
chr9	51032313	51032726	414 Sat14CF	na	na
chr9	51032314	51032658	345 Sat14CF	na	na
chr9	51107809	51108102	294 SAT1_CF	blue	na
chr9	51132191	51132618	428 Sat2CF	purple	na
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chr9	52594074	52594141	68 Sat16CF	na	na
chr9	52609228	52609299	72 Sat5CF	stalk	na
chr9	52760313	52761137	825 Sat50CF	na	na
chr9	52820147	52820335	189 Carsat3	green	na
chr9	52841012	52841375	364 Sat91CF	na	na
chr9	53259371	53259589	219 Sat50CF	na	na
chr9	53281941	53282521	581 Sat19CF	na	na
chr9	53527471	53527536	66 Sat28CF	na	na
chr9	54420524	54420549	26 Sat5CF	stalk	na
chr9	54826491	54826572	82 Sat38CF	na	na

chr9	54827129	54827193	65 Sat38CF	na	na
chr9	55367091	55367303	213 Sat41CF	na	na
chr9	55375039	55375277	239 Sat38CF	na	na
chr9	55474052	55474147	96 Sat100CF	na	na
chr9	56410503	56410564	62 Sat90CF	na	na
chr9	58052205	58052370	166 CarSat1	red	na
chr9	58232289	58232398	110 Sat12CF	na	na
chr9	59245317	59246246	930 Carsat3	green	na
chr9	59521529	59521579	51 Sat10CF	na	na
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chrUn	2778257	2779334	1078 SAT1_CF	blue	na
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chrUn	2781225	2781902	678 SAT1_CF	blue	na
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chrUn	3212892	3213246	355 SAT1_CF	blue	na
chrUn	3213332	3213834	503 SAT1_CF	blue	na
chrUn	3213847	3214531	685 SAT1_CF	blue	na
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chrUn	3216166	3216841	676 SAT1_CF	blue	na
chrUn	3216859	3218045	1187 SAT1_CF	blue	na
chrUn	3218073	3218231	159 SAT1_CF	blue	na
chrUn	3218257	3218775	519 SAT1_CF	blue	na
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chrUn	3220402	3221075	674 SAT1_CF	blue	na
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chrUn	3222753	3224183	1431 SAT1_CF	blue	na
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chrUn	3224780	3225852	1073 SAT1_CF	blue	na
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chrUn	3226815	3226924	110 SAT1_CF	blue	na
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chrUn	3235774	3236200	427 SAT1_CF	blue	na
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chrUn	3237461	3238138	678 SAT1_CF	blue	na
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chrUn	3242423	3242608	186 SAT1_CF	blue	na
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chrUn	3243285	3244557	1273 SAT1_CF	blue	na
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chrUn	3260135	3260937	803 SAT1_CF	blue	na
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chrUn	4124719	4125121	403 SAT1_CF	blue	na
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chrUn	4126499	4127044	546 SAT1_CF	blue	na

chrUn	4127087	4127920	834 SAT1_CF	blue	na
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chrUn	4144606	4145108	503 SAT1_CF	blue	na
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chrUn	4159448	4160283	836 SAT1_CF	blue	na
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chrUn	4163121	4163694	574 SAT1_CF	blue	na
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chrUn	4167965	4168750	786 SAT1_CF	blue	na
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chrUn	4403558	4403912	355 SAT1_CF	blue	na
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chrUn	4410628	4412666	2039 SAT1_CF	blue	na
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chrUn	4414626	4415582	957 SAT1_CF	blue	na
chrUn	4415649	4416682	1034 SAT1_CF	blue	na
chrUn	4416716	4417236	521 SAT1_CF	blue	na
chrUn	4417263	4417892	630 SAT1_CF	blue	na
chrUn	4417905	4418546	642 SAT1_CF	blue	na
chrUn	4418591	4419798	1208 SAT1_CF	blue	na
chrUn	4419809	4420506	698 SAT1_CF	blue	na
chrUn	4420518	4421628	1111 SAT1_CF	blue	na
chrUn	4421642	4422325	684 SAT1_CF	blue	na
chrUn	4422337	4423014	678 SAT1_CF	blue	na
chrUn	4423056	4424036	981 SAT1_CF	blue	na
chrUn	4424115	4425111	997 SAT1_CF	blue	na
chrUn	4425151	4426345	1195 SAT1_CF	blue	na
chrUn	4426356	4426848	493 SAT1_CF	blue	na
chrUn	4426862	4427352	491 SAT1_CF	blue	na
chrUn	4427366	4429992	2627 SAT1_CF	blue	na
chrUn	4431561	4432089	529 SAT1_CF	blue	na
chrUn	4432157	4432676	520 SAT1_CF	blue	na
chrUn	4432689	4432797	109 SAT1_CF	blue	na
chrUn	4432818	4433363	546 SAT1_CF	blue	na
chrUn	4433406	4434406	1001 SAT1_CF	blue	na

chrUn	4434450	4435949	1500 SAT1_CF	blue	na
chrUn	4435962	4437329	1368 SAT1_CF	blue	na
chrUn	4437410	4437774	365 SAT1_CF	blue	na
chrUn	4437816	4438316	501 SAT1_CF	blue	na
chrUn	4438328	4439010	683 SAT1_CF	blue	na
chrUn	4439029	4439934	906 SAT1_CF	blue	na
chrUn	4439977	4440566	590 SAT1_CF	blue	na
chrUn	4440585	4441128	544 SAT1_CF	blue	na
chrUn	4441142	4441787	646 SAT1_CF	blue	na
chrUn	4441831	4442409	579 SAT1_CF	blue	na
chrUn	4442488	4443404	917 SAT1_CF	blue	na
chrUn	4443416	4443518	103 SAT1_CF	blue	na
chrUn	4443547	4444091	545 SAT1_CF	blue	na
chrUn	4444136	4445102	967 SAT1_CF	blue	na
chrUn	4445157	4445828	672 SAT1_CF	blue	na
chrUn	4445839	4447112	1274 SAT1_CF	blue	na
chrUn	4447153	4448709	1557 SAT1_CF	blue	na
chrUn	4448722	4449392	671 SAT1_CF	blue	na
chrUn	4449436	4449996	561 SAT1_CF	blue	na
chrUn	4450014	4451145	1132 SAT1_CF	blue	na
chrUn	4451185	4451686	502 SAT1_CF	blue	na
chrUn	4451699	4452300	602 SAT1_CF	blue	na
chrUn	4452312	4452987	676 SAT1_CF	blue	na
chrUn	4453036	4453833	798 SAT1_CF	blue	na
chrUn	4453847	4454844	998 SAT1_CF	blue	na
chrUn	4454859	4454995	137 SAT1_CF	blue	na
chrUn	4455042	4455561	520 SAT1_CF	blue	na
chrUn	4455574	4455681	108 SAT1_CF	blue	na
chrUn	4455703	4456247	545 SAT1_CF	blue	na
chrUn	4456290	4457918	1629 SAT1_CF	blue	na
chrUn	4457929	4458117	189 SAT1_CF	blue	na
chrUn	4458169	4458652	484 SAT1_CF	blue	na
chrUn	4458664	4459336	673 SAT1_CF	blue	na
chrUn	4459454	4459959	506 SAT1_CF	blue	na
chrUn	4459992	4460692	701 SAT1_CF	blue	na
chrUn	4460705	4461387	683 SAT1_CF	blue	na
chrUn	4461399	4462039	641 SAT1_CF	blue	na
chrUn	4462051	4463312	1262 SAT1_CF	blue	na
chrUn	4463340	4463723	384 SAT1_CF	blue	na
chrUn	4463744	4464264	521 SAT1_CF	blue	na
chrUn	4464276	4464385	110 SAT1_CF	blue	na
chrUn	4464406	4465725	1320 SAT1_CF	blue	na

chrUn	4465768	4466311	544 SAT1_CF	blue	na
chrUn	4466333	4466429	97 SAT1_CF	blue	na
chrUn	4466450	4467004	555 SAT1_CF	blue	na
chrUn	4467016	4468352	1337 SAT1_CF	blue	na
chrUn	4468377	4468699	323 SAT1_CF	blue	na
chrUn	4468770	4469287	518 SAT1_CF	blue	na
chrUn	4469352	4469910	559 SAT1_CF	blue	na
chrUn	4469922	4471785	1864 SAT1_CF	blue	na
chrUn	4471816	4472341	526 SAT1_CF	blue	na
chrUn	4472356	4472490	135 SAT1_CF	blue	na
chrUn	4472558	4473059	502 SAT1_CF	blue	na
chrUn	4473073	4474291	1219 SAT1_CF	blue	na
chrUn	4474334	4475739	1406 SAT1_CF	blue	na
chrUn	4475782	4476762	981 SAT1_CF	blue	na
chrUn	4476774	4477459	686 SAT1_CF	blue	na
chrUn	4477471	4478155	685 SAT1_CF	blue	na
chrUn	4478168	4480209	2042 SAT1_CF	blue	na
chrUn	4480221	4480302	82 SAT1_CF	blue	na
chrUn	4480316	4480859	544 SAT1_CF	blue	na
chrUn	4481120	4481818	699 SAT1_CF	blue	na
chrUn	4481830	4482671	842 SAT1_CF	blue	na
chrUn	4482713	4484564	1852 SAT1_CF	blue	na
chrUn	4484629	4486012	1384 SAT1_CF	blue	na
chrUn	4486058	4486375	318 SAT1_CF	blue	na
chrUn	4486424	4486930	507 SAT1_CF	blue	na
chrUn	4486948	4487051	104 SAT1_CF	blue	na
chrUn	4487072	4487645	574 SAT1_CF	blue	na
chrUn	4487657	4489785	2129 SAT1_CF	blue	na
chrUn	4489866	4490030	165 SAT1_CF	blue	na
chrUn	4490210	4490393	184 SAT1_CF	blue	na
chrUn	4490430	4490929	500 SAT1_CF	blue	na
chrUn	4490942	4491334	393 SAT1_CF	blue	na
chrUn	4491419	4491963	545 SAT1_CF	blue	na
chrUn	4491975	4492831	857 SAT1_CF	blue	na
chrUn	4492873	4494726	1854 SAT1_CF	blue	na
chrUn	4494747	4495261	515 SAT1_CF	blue	na
chrUn	4495278	4496106	829 SAT1_CF	blue	na
chrUn	4496119	4496794	676 SAT1_CF	blue	na
chrUn	4496842	4498873	2032 SAT1_CF	blue	na
chrUn	4498932	4500186	1255 SAT1_CF	blue	na
chrUn	4500198	4500307	110 SAT1_CF	blue	na
chrUn	4500327	4500873	547 SAT1_CF	blue	na

chrUn	4500916	4502779	1864 SAT1_CF	blue	na
chrUn	4502794	4502950	157 SAT1_CF	blue	na
chrUn	4502976	4504923	1948 SAT1_CF	blue	na
chrUn	4504935	4506259	1325 SAT1_CF	blue	na
chrUn	4506304	4506789	486 SAT1_CF	blue	na
chrUn	4506843	4506998	156 SAT1_CF	blue	na
chrUn	4507024	4507544	521 SAT1_CF	blue	na
chrUn	4507556	4507664	109 SAT1_CF	blue	na
chrUn	4507687	4508342	656 SAT1_CF	blue	na
chrUn	4508391	4510079	1689 SAT1_CF	blue	na
chrUn	4510091	4510197	107 SAT1_CF	blue	na
chrUn	4510218	4510982	765 SAT1_CF	blue	na
chrUn	4510995	4512462	1468 SAT1_CF	blue	na
chrUn	4512490	4513008	519 SAT1_CF	blue	na
chrUn	4513022	4514337	1316 SAT1_CF	blue	na
chrUn	4514382	4515073	692 SAT1_CF	blue	na
chrUn	4515105	4515193	89 SAT1_CF	blue	na
chrUn	4515213	4516209	997 SAT1_CF	blue	na
chrUn	4516221	4516897	677 SAT1_CF	blue	na
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chrUn	4519812	4520919	1108 SAT1_CF	blue	na
chrUn	4520939	4522281	1343 SAT1_CF	blue	na
chrUn	4522323	4524115	1793 SAT1_CF	blue	na
chrUn	4524139	4525717	1579 SAT1_CF	blue	na
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chrUn	4528816	4529750	935 SAT1_CF	blue	na
chrUn	4529784	4530451	668 SAT1_CF	blue	na
chrUn	4530494	4531756	1263 SAT1_CF	blue	na
chrUn	4531789	4532165	377 SAT1_CF	blue	na
chrUn	4532211	4532709	499 SAT1_CF	blue	na
chrUn	4532721	4534012	1292 SAT1_CF	blue	na
chrUn	4534054	4535421	1368 SAT1_CF	blue	na
chrUn	4535469	4535946	478 SAT1_CF	blue	na
chrUn	4535993	4536494	502 SAT1_CF	blue	na
chrUn	4536507	4537189	683 SAT1_CF	blue	na
chrUn	4537213	4538061	849 SAT1_CF	blue	na
chrUn	4538103	4538637	535 SAT1_CF	blue	na
chrUn	4538660	4539309	650 SAT1_CF	blue	na
chrUn	4539353	4539699	347 SAT1_CF	blue	na
chrUn	4539720	4540301	582 SAT1_CF	blue	na
chrUn	4540313	4540990	678 SAT1_CF	blue	na

chrUn	4541033	4542459	1427 SAT1_CF	blue	na
chrUn	4542475	4543566	1092 SAT1_CF	blue	na
chrUn	4544575	4544664	90 SAT1_CF	blue	na
chrUn	4551042	4551587	546 SAT1_CF	blue	na
chrUn	4551651	4552449	799 SAT1_CF	blue	na
chrUn	4552471	4553418	948 SAT1_CF	blue	na
chrUn	4553435	4554472	1038 SAT1_CF	blue	na
chrUn	4554485	4555494	1010 SAT1_CF	blue	na
chrUn	4555502	4555867	366 CarSat1	red	na
chrUn	4556017	4557047	1031 CarSat1	red	na
chrUn	4557086	4557851	766 CarSat1	red	na
chrUn	4557870	4558396	527 CarSat1	red	na
chrUn	4558786	4558904	119 Sat2CF	purple	na
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chrUn	4579049	4579211	163 Sat2CF	purple	na
chrUn	4579077	4579434	358 Sat2CF	purple	na
chrUn	4579116	4579944	829 Sat2CF	purple	na
chrUn	4579049	4579211	163 Sat2CF	purple	na
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chrUn	4594804	4595527	724 Sat2CF	purple	na
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chrUn	4609013	4609344	332 Sat2CF	purple	na
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chrUn	4609440	4609616	177 Sat2CF	purple	na
chrUn	4621707	4622847	1141 Sat2CF	purple	na
chrUn	4621815	4622799	985 Sat2CF	purple	na
chrUn	4633043	4633604	562 Sat2CF	purple	na
chrUn	4648995	4649815	821 Sat2CF	purple	na
chrUn	4649069	4649793	725 Sat2CF	purple	na
chrUn	4649484	4649852	369 Sat2CF	purple	na
chrUn	4662607	4663858	1252 Sat2CF	purple	na
chrUn	4662737	4663822	1086 Sat2CF	purple	na
chrUn	4666448	4666588	141 CarSat1	red	na
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chrUn	4674796	4676007	1212 SAT1_CF	blue	na
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chrUn	4677846	4678168	323 SAT1_CF	blue	na
chrUn	4678184	4680082	1899 SAT1_CF	blue	na
chrUn	4680124	4681458	1335 SAT1_CF	blue	na
chrUn	4681479	4681626	148 SAT1_CF	blue	na
chrUn	4681638	4682113	476 SAT1_CF	blue	na

chrUn	4682183	4682706	524 SAT1_CF	blue	na
chrUn	4682734	4683281	548 SAT1_CF	blue	na
chrUn	4683324	4683872	549 SAT1_CF	blue	na
chrUn	4683893	4684001	109 SAT1_CF	blue	na
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chrUn	4691045	4691720	676 SAT1_CF	blue	na
chrUn	4691732	4692765	1034 SAT1_CF	blue	na
chrUn	4692805	4693175	371 SAT1_CF	blue	na
chrUn	4693214	4693762	549 SAT1_CF	blue	na
chrUn	4693806	4694805	1000 SAT1_CF	blue	na
chrUn	4694848	4695624	777 SAT1_CF	blue	na
chrUn	4695673	4696350	678 SAT1_CF	blue	na
chrUn	4696362	4697041	680 SAT1_CF	blue	na
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chrUn	4699142	4699816	675 SAT1_CF	blue	na
chrUn	4699828	4700903	1076 SAT1_CF	blue	na
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chrUn	4702607	4703241	635 SAT1_CF	blue	na
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chrUn	4704850	4705527	678 SAT1_CF	blue	na
chrUn	4705545	4706229	685 SAT1_CF	blue	na
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chrUn	4710144	4710261	118 SAT1_CF	blue	na
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chrUn	4711617	4711723	107 SAT1_CF	blue	na
chrUn	4711735	4712403	669 SAT1_CF	blue	na
chrUn	4712430	4712911	482 SAT1_CF	blue	na
chrUn	4712966	4713250	285 SAT1_CF	blue	na
chrUn	4713272	4713953	682 SAT1_CF	blue	na

chrUn	4713966	4714652	687 SAT1_CF	blue	na
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chrUn	4715855	4718373	2519 SAT1_CF	blue	na
chrUn	4718420	4719095	676 SAT1_CF	blue	na
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chrUn	4721108	4722246	1139 SAT1_CF	blue	na
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chrUn	4745037	4746517	1481 SAT1_CF	blue	na
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chrUn	4748123	4749352	1230 SAT1_CF	blue	na
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chrUn	4750054	4750727	674 SAT1_CF	blue	na
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chrUn	4752966	4753435	470 SAT1_CF	blue	na
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chrUn	4756006	4756179	174 SAT1_CF	blue	na
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chrUn	4774281	4775097	817 SAT1_CF	blue	na

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chrUn	4777785	4778294	510 SAT1_CF	blue	na
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chrUn	4778928	4781491	2564 SAT1_CF	blue	na
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chrUn	4785038	4786204	1167 SAT1_CF	blue	na
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chrUn	4786383	4787209	827 SAT1_CF	blue	na
chrUn	4787234	4789055	1822 SAT1_CF	blue	na
chrUn	4789125	4789797	673 SAT1_CF	blue	na
chrUn	4789810	4790292	483 SAT1_CF	blue	na
chrUn	4790306	4790609	304 SAT1_CF	blue	na
chrUn	4790653	4791748	1096 SAT1_CF	blue	na
chrUn	4791792	4793103	1312 SAT1_CF	blue	na
chrUn	4793143	4795182	2040 SAT1_CF	blue	na
chrUn	4795225	4795900	676 SAT1_CF	blue	na
chrUn	4795913	4796395	483 SAT1_CF	blue	na
chrUn	4796421	4797438	1018 SAT1_CF	blue	na
chrUn	4797454	4798461	1008 SAT1_CF	blue	na
chrUn	4798503	4799178	676 SAT1_CF	blue	na
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chrUn	4799679	4799788	110 SAT1_CF	blue	na
chrUn	4799800	4800483	684 SAT1_CF	blue	na
chrUn	4800495	4802500	2006 SAT1_CF	blue	na
chrUn	4802547	4803221	675 SAT1_CF	blue	na
chrUn	4803233	4803787	555 SAT1_CF	blue	na
chrUn	4803814	4803916	103 SAT1_CF	blue	na
chrUn	4803929	4804430	502 SAT1_CF	blue	na
chrUn	4804496	4804632	137 SAT1_CF	blue	na
chrUn	4804699	4805218	520 SAT1_CF	blue	na
chrUn	4805232	4806904	1673 SAT1_CF	blue	na
chrUn	4806929	4807550	622 SAT1_CF	blue	na
chrUn	4807561	4808059	499 SAT1_CF	blue	na
chrUn	4808112	4808277	166 SAT1_CF	blue	na
chrUn	4808451	4809243	793 SAT1_CF	blue	na
chrUn	4809287	4809777	491 SAT1_CF	blue	na

chrUn	4809823	4810359	537 SAT1_CF	blue	na
chrUn	4810402	4810949	548 SAT1_CF	blue	na
chrUn	4810970	4811568	599 SAT1_CF	blue	na
chrUn	4811591	4811699	109 SAT1_CF	blue	na
chrUn	4811710	4812212	503 SAT1_CF	blue	na
chrUn	4812248	4813275	1028 SAT1_CF	blue	na
chrUn	4813291	4813925	635 SAT1_CF	blue	na
chrUn	4813969	4814513	545 SAT1_CF	blue	na
chrUn	4814556	4815232	677 SAT1_CF	blue	na
chrUn	4815244	4815835	592 SAT1_CF	blue	na
chrUn	4815862	4816361	500 SAT1_CF	blue	na
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chrUn	5104830	5105367	538 SAT1_CF	blue	na

chrUn	5105410	5106086	677 SAT1_CF	blue	na
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chrUn	5134942	5135609	668 SAT1_CF	blue	na
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chrUn	5416678	5417357	680 SAT1_CF	blue	na
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chrUn	5918028	5918154	127	Carsat2	orange	na
chrUn	5918043	5919110	1068	CarSat1	red	na
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chrUn	7375932	7377173	1242 SAT1_CF	blue	na
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chrUn	7658766	7660991	2226 SAT1_CF	blue	na
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chrUn	8771446	8771949	504 SAT1_CF	blue	na
chrUn	8771967	8774007	2041 SAT1_CF	blue	na
chrUn	8850780	8850852	73 Carsat3	green	na
chrUn	9235036	9236134	1099 Sat7CF	lime	na
chrUn	9275813	9276769	957 Sat7CF	lime	na
chrUn	9602218	9603180	963 SAT1_CF	blue	na
chrUn	9603223	9603902	680 SAT1_CF	blue	na
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chrUn	9606098	9607570	1473 SAT1_CF	blue	na

chrUn	9607619	9607786	168 SAT1_CF	blue	na
chrUn	9607798	9608473	676 SAT1_CF	blue	na
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chrUn	9616375	9617058	684 SAT1_CF	blue	na
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chrUn	9624538	9624674	137 SAT1_CF	blue	na
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chrUn	9632719	9633197	479 SAT1_CF	blue	na
chrUn	9633487	9634071	585 SAT1_CF	blue	na
chrUn	9634098	9635112	1015 SAT1_CF	blue	na
chrUn	9635125	9635607	483 SAT1_CF	blue	na
chrUn	9635667	9636963	1297 SAT1_CF	blue	na
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chrUn	9637563	9639067	1505 SAT1_CF	blue	na
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chrUn	9639210	9639689	480 SAT1_CF	blue	na

chrUn	9639745	9640115	371 SAT1_CF	blue	na
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chrUn	9641068	9642376	1309 SAT1_CF	blue	na
chrUn	9642396	9642505	110 SAT1_CF	blue	na
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chrUn	9643214	9643733	520 SAT1_CF	blue	na
chrUn	9643752	9644237	486 SAT1_CF	blue	na
chrUn	9644255	9644899	645 SAT1_CF	blue	na
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chrUn	9646800	9646967	168 SAT1_CF	blue	na
chrUn	9646979	9647650	672 SAT1_CF	blue	na
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chrUn	9649073	9650032	960 SAT1_CF	blue	na
chrUn	9650111	9651150	1040 SAT1_CF	blue	na
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chrUn	9884010	9884562	553 SAT1_CF	blue	na
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chrUn	10170497	10170971	475 SAT1_CF	blue	na
chrUn	10171034	10171965	932 SAT1_CF	blue	na
chrUn	10171997	10173717	1721 SAT1_CF	blue	na

chrUn	10173729	10173943	215 SAT1_CF	blue	na
chrUn	10174138	10176324	2187 SAT1_CF	blue	na
chrUn	10176335	10177091	757 SAT1_CF	blue	na
chrUn	10177109	10178220	1112 SAT1_CF	blue	na
chrUn	10178262	10179128	867 SAT1_CF	blue	na
chrUn	10179140	10179695	556 SAT1_CF	blue	na
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chrUn	10199209	10199688	480 SAT1_CF	blue	na
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chrUn	10202440	10203086	647 SAT1_CF	blue	na
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chrUn	10205209	10207246	2038 SAT1_CF	blue	na
chrUn	10207269	10207824	556 SAT1_CF	blue	na
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chrUn	10210023	10210524	502 SAT1_CF	blue	na
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chrUn	10455070	10455206	137 SAT1_CF	blue	na
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chrUn	10457064	10457782	719 SAT1_CF	blue	na
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chrUn	10465109	10465656	548 SAT1_CF	blue	na
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chrUn	10468156	10469208	1053 SAT1_CF	blue	na
chrUn	10469231	10470113	883 SAT1_CF	blue	na
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chrUn	10470820	10471320	501 SAT1_CF	blue	na
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chrUn	10471773	10472294	522 SAT1_CF	blue	na
chrUn	10472308	10473379	1072 SAT1_CF	blue	na
chrUn	10473410	10473930	521 SAT1_CF	blue	na
chrUn	10474046	10474401	356 SAT1_CF	blue	na
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chrUn	10476803	10477361	559 SAT1_CF	blue	na
chrUn	10477383	10477489	107 SAT1_CF	blue	na
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chrUn	10479634	10479947	314 SAT1_CF	blue	na
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chrUn	10605644	10607185	1542 SAT1_CF	blue	na
chrUn	10607197	10607755	559 SAT1_CF	blue	na
chrUn	10607820	10608366	547 SAT1_CF	blue	na
chrUn	10608388	10609374	987 SAT1_CF	blue	na
chrUn	10609417	10610079	663 SAT1_CF	blue	na
chrUn	10610092	10610773	682 SAT1_CF	blue	na
chrUn	10610786	10611306	521 SAT1_CF	blue	na
chrUn	10611327	10613588	2262 SAT1_CF	blue	na
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chrUn	10614193	10614306	114 SAT1_CF	blue	na
chrUn	10614318	10615297	980 SAT1_CF	blue	na
chrUn	10615340	10617682	2343 SAT1_CF	blue	na
chrUn	10617694	10618228	535 SAT1_CF	blue	na

chrUn	10618242	10618759	518 SAT1_CF	blue	na
chrUn	10618776	10618960	185 SAT1_CF	blue	na
chrUn	10619137	10621014	1878 SAT1_CF	blue	na
chrUn	10621058	10621604	547 SAT1_CF	blue	na
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chrUn	10625798	10626493	696 SAT1_CF	blue	na
chrUn	10626572	10627248	677 SAT1_CF	blue	na
chrUn	10627262	10627944	683 SAT1_CF	blue	na
chrUn	10627956	10628866	911 SAT1_CF	blue	na
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chrUn	10629748	10629816	69 SAT1_CF	blue	na
chrUn	10629827	10630412	586 SAT1_CF	blue	na
chrUn	10630454	10631565	1112 SAT1_CF	blue	na
chrUn	10631610	10632287	678 SAT1_CF	blue	na
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chrUn	10642595	10644464	1870 SAT1_CF	blue	na
chrUn	10644476	10645114	639 SAT1_CF	blue	na
chrUn	10645143	10645243	101 SAT1_CF	blue	na
chrUn	10645256	10645758	503 SAT1_CF	blue	na
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chrUn	10690361	10691292	932 SAT1_CF	blue	na
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chrUn	10691534	10691613	80 SAT1_CF	blue	na
chrUn	10692215	10692501	287 CarSat1	red	na
chrUn	10692653	10693372	720 CarSat1	red	na
chrUn	10693367	10694496	1130 SAT1_CF	blue	na
chrUn	10694536	10697262	2727 SAT1_CF	blue	na
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chrUn	10697667	10698107	441 CarSat1	red	na
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chrUn	11619594	11619756	163 Sat2CF	purple	na
chrUn	11657648	11657828	181 Sat2CF	purple	na
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chrUn	12275976	12277307	1332 SAT1_CF	blue	na
chrUn	12277351	12277775	425 SAT1_CF	blue	na
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chrUn	12280193	12281708	1516 SAT1_CF	blue	na
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chrUn	12294864	12295364	501 SAT1_CF	blue	na
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chrUn	12327422	12328895	1474 SAT1_CF	blue	na
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chrUn	12334524	12335194	671 SAT1_CF	blue	na
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chrUn	12337863	12338566	704 SAT1_CF	blue	na
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chrUn	12352333	12354312	1980 SAT1_CF	blue	na
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chrUn	12356812	12358188	1377 SAT1_CF	blue	na
chrUn	12358202	12358590	389 SAT1_CF	blue	na
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chrUn	12360592	12360952	361 SAT1_CF	blue	na
chrUn	12360996	12361504	509 SAT1_CF	blue	na
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chrUn	12374023	12374504	482 SAT1_CF	blue	na
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chrUn	12754851	12755392	542 SAT1_CF	blue	na
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chrUn	12761639	12762851	1213 SAT1_CF	blue	na
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chrUn	12780227	12780310	84 SAT1_CF	blue	na
chrUn	12780323	12781275	953 SAT1_CF	blue	na
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chrUn	12786065	12786566	502 SAT1_CF	blue	na
chrUn	12786578	12786694	117 SAT1_CF	blue	na
chrUn	12786708	12787233	526 SAT1_CF	blue	na
chrUn	12787289	12787835	547 SAT1_CF	blue	na

chrUn	12787878	12788411	534	SAT1_CF	blue	na
chrUn	12788425	12789507	1083	SAT1_CF	blue	na
chrUn	12789518	12789674	157	SAT1_CF	blue	na
chrUn	12789721	12790242	522	SAT1_CF	blue	na
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chrUn	12790873	12791549	677	SAT1_CF	blue	na
chrUn	12791592	12792592	1001	SAT1_CF	blue	na
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chrUn	12793655	12794173	519	SAT1_CF	blue	na
chrUn	12794185	12795045	861	SAT1_CF	blue	na
chrUn	12795087	12797191	2105	SAT1_CF	blue	na
chrUn	12797383	12798168	786	SAT1_CF	blue	na
chrUn	12798210	12799133	924	SAT1_CF	blue	na
chrUn	12799178	12800134	957	SAT1_CF	blue	na
chrUn	12800174	12800676	503	SAT1_CF	blue	na
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chrUn	12802539	12803037	499	SAT1_CF	blue	na
chrUn	12803056	12804422	1367	SAT1_CF	blue	na
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chrUn	12806578	12807253	676	SAT1_CF	blue	na
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chrUn	12815290	12816136	847	SAT1_CF	blue	na
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chrUn	12817330	12817850	521	SAT1_CF	blue	na
chrUn	12817863	12818545	683	SAT1_CF	blue	na
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chrUn	12820978	12821518	541	SAT1_CF	blue	na
chrUn	12821606	12822107	502	SAT1_CF	blue	na
chrUn	12822119	12824730	2612	SAT1_CF	blue	na
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chrUn	12851077	12851928	852 SAT1_CF	blue	na
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chrUn	12852586	12853217	632 SAT1_CF	blue	na
chrUn	12853245	12853806	562 SAT1_CF	blue	na
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chrUn	12855102	12857346	2245 SAT1_CF	blue	na
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chrUn	12859011	12859117	107 SAT1_CF	blue	na
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chrUn	12859793	12860653	861 SAT1_CF	blue	na
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chrUn	12883611	12883686	76 SAT1_CF	blue	na
chrUn	12883742	12884214	473 SAT1_CF	blue	na
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chrUn	12887819	12888311	493 SAT1_CF	blue	na
chrUn	12888345	12889006	662 SAT1_CF	blue	na
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chrUn	12889946	12890454	509 SAT1_CF	blue	na
chrUn	12890467	12890568	102 SAT1_CF	blue	na
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chrUn	12892732	12893341	610 SAT1_CF	blue	na
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chrUn	12907949	12909833	1885 SAT1_CF	blue	na
chrUn	12909929	12910123	195 SAT1_CF	blue	na
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chrUn	12931749	12932266	518 SAT1_CF	blue	na
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chrUn	13066267	13067444	1178 Sat2CF	purple	na
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chrUn	13127660	13128766	1107 Sat2CF	purple	na
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chrUn	13181819	13182993	1175 Sat2CF	purple	na
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chrUn	13216883	13218242	1360 SAT1_CF	blue	na
chrUn	13218237	13219118	882 CarSat1	red	na
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chrUn	13220408	13221258	851 CarSat1	red	na
chrUn	13221275	13221417	143 CarSat1	red	na
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chrUn	13286044	13286840	797 Sat2CF	purple	na
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chrUn	13344828	13346009	1182 Sat2CF	purple	na
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chrUn	13385146	13386099	954 Sat2CF	purple	na
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chrUn	13480926	13481703	778 CarSat1	red	na
chrUn	13481726	13482442	717 CarSat1	red	na

chrUn	13482460	13483994	1535	CarSat1	red	na
chrUn	13484015	13485254	1240	CarSat1	red	na
chrUn	13485257	13487053	1797	SAT1_CF	blue	na
chrUn	13490731	13491690	960	Sat2CF	purple	na
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chrUn	13491882	13492757	876	SAT1_CF	blue	na
chrUn	13492750	13493472	723	CarSat1	red	na
chrUn	13493506	13493636	131	CarSat1	red	na
chrUn	13495006	13495645	640	SAT1_CF	blue	na
chrUn	13495661	13496223	563	SAT1_CF	blue	na
chrUn	13496266	13497524	1259	SAT1_CF	blue	na
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chrUn	13498783	13499456	674	SAT1_CF	blue	na
chrUn	13499499	13503584	4086	SAT1_CF	blue	na
chrUn	13503627	13505252	1626	SAT1_CF	blue	na
chrUn	13505295	13505666	372	SAT1_CF	blue	na
chrUn	13505724	13506202	479	SAT1_CF	blue	na
chrUn	13506214	13506890	677	SAT1_CF	blue	na
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chrUn	13508199	13508876	678	SAT1_CF	blue	na
chrUn	13508923	13509041	119	SAT1_CF	blue	na
chrUn	13509083	13510902	1820	SAT1_CF	blue	na
chrUn	13510961	13511443	483	SAT1_CF	blue	na
chrUn	13511470	13512134	665	SAT1_CF	blue	na
chrUn	13512146	13512829	684	SAT1_CF	blue	na
chrUn	13512841	13513725	885	SAT1_CF	blue	na
chrUn	13513747	13514596	850	SAT1_CF	blue	na
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chrUn	13515321	13515979	659	SAT1_CF	blue	na
chrUn	13516022	13516561	540	SAT1_CF	blue	na
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chrUn	13517662	13518495	834	SAT1_CF	blue	na
chrUn	13518521	13519263	743	SAT1_CF	blue	na
chrUn	13519333	13520779	1447	SAT1_CF	blue	na
chrUn	13520798	13521940	1143	SAT1_CF	blue	na
chrUn	13521961	13522479	519	SAT1_CF	blue	na
chrUn	13522501	13523097	597	SAT1_CF	blue	na
chrUn	13523119	13523792	674	SAT1_CF	blue	na
chrUn	13523810	13524479	670	SAT1_CF	blue	na
chrUn	13524522	13526553	2032	SAT1_CF	blue	na

chrUn	13526612	13527094	483 SAT1_CF	blue	na
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chrUn	13528707	13529480	774 SAT1_CF	blue	na
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chrUn	13530136	13530272	137 SAT1_CF	blue	na
chrUn	13530319	13530839	521 SAT1_CF	blue	na
chrUn	13530852	13530960	109 SAT1_CF	blue	na
chrUn	13530981	13531526	546 SAT1_CF	blue	na
chrUn	13531569	13533158	1590 SAT1_CF	blue	na
chrUn	13533169	13533540	372 SAT1_CF	blue	na
chrUn	13533597	13534096	500 SAT1_CF	blue	na
chrUn	13534123	13534793	671 SAT1_CF	blue	na
chrUn	13534805	13535480	676 SAT1_CF	blue	na
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chrUn	13536606	13536979	374 SAT1_CF	blue	na
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chrUn	13557471	13558584	1114 SAT1_CF	blue	na
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chrUn	13632950	13633553	604 SAT1_CF	blue	na
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chrUn	13832741	13832849	109 SAT1_CF	blue	na
chrUn	13832870	13833619	750 SAT1_CF	blue	na
chrUn	13833641	13834187	547 SAT1_CF	blue	na
chrUn	13834231	13836108	1878 SAT1_CF	blue	na
chrUn	13836284	13836468	185 SAT1_CF	blue	na
chrUn	13836485	13837002	518 SAT1_CF	blue	na
chrUn	13837016	13837551	536 SAT1_CF	blue	na
chrUn	13837563	13838892	1330 SAT1_CF	blue	na
chrUn	13838935	13839903	969 SAT1_CF	blue	na
chrUn	13839946	13840925	980 SAT1_CF	blue	na
chrUn	13840937	13841050	114 SAT1_CF	blue	na
chrUn	13841065	13841612	548 SAT1_CF	blue	na
chrUn	13841655	13843694	2040 SAT1_CF	blue	na

chrUn	13843715	13844235	521 SAT1_CF	blue	na
chrUn	13844248	13844929	682 SAT1_CF	blue	na
chrUn	13844942	13845604	663 SAT1_CF	blue	na
chrUn	13845647	13846278	632 SAT1_CF	blue	na
chrUn	13846306	13846867	562 SAT1_CF	blue	na
chrUn	13846947	13848015	1069 SAT1_CF	blue	na
chrUn	13848027	13849569	1543 SAT1_CF	blue	na
chrUn	13849613	13850006	394 SAT1_CF	blue	na
chrUn	13850020	13850518	499 SAT1_CF	blue	na
chrUn	13850530	13850639	110 SAT1_CF	blue	na
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chrUn	13853698	13854528	831 SAT1_CF	blue	na
chrUn	13854613	13855156	544 SAT1_CF	blue	na
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chrUn	13856467	13857562	1096 SAT1_CF	blue	na
chrUn	13857576	13858198	623 SAT1_CF	blue	na
chrUn	13858210	13858885	676 SAT1_CF	blue	na
chrUn	13858946	13860317	1372 SAT1_CF	blue	na
chrUn	13860330	13860682	353 SAT1_CF	blue	na
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chrUn	13862403	13863031	629 SAT1_CF	blue	na
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chrUn	13863738	13864410	673 SAT1_CF	blue	na
chrUn	13864471	13865336	866 SAT1_CF	blue	na
chrUn	13865356	13865460	105 SAT1_CF	blue	na
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chrUn	13866048	13866725	678 SAT1_CF	blue	na
chrUn	13866772	13868143	1372 SAT1_CF	blue	na
chrUn	13868211	13868733	523 SAT1_CF	blue	na
chrUn	13868776	13870194	1419 SAT1_CF	blue	na
chrUn	13870207	13870314	108 SAT1_CF	blue	na
chrUn	13870336	13870966	631 SAT1_CF	blue	na
chrUn	13870980	13872524	1545 SAT1_CF	blue	na
chrUn	13872709	13873785	1077 SAT1_CF	blue	na
chrUn	13873967	13874148	182 SAT1_CF	blue	na
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chrUn	13874701	13874807	107 SAT1_CF	blue	na
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chrUn	13875875	13877076	1202 SAT1_CF	blue	na
chrUn	13877124	13877331	208 SAT1_CF	blue	na
chrUn	13877357	13877902	546 SAT1_CF	blue	na
chrUn	13877927	13877978	52 SAT1_CF	blue	na
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chrUn	13879069	13879624	556 SAT1_CF	blue	na
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chrUn	13880410	13880952	543 SAT1_CF	blue	na
chrUn	13880977	13881337	361 SAT1_CF	blue	na
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chrUn	13881982	13882667	686 SAT1_CF	blue	na
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chrUn	13884054	13885261	1208 SAT1_CF	blue	na
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chrUn	13886187	13886295	109 SAT1_CF	blue	na
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chrUn	13887388	13888571	1184 SAT1_CF	blue	na
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chrUn	13889934	13890606	673 SAT1_CF	blue	na
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chrUn	13894127	13894802	676 SAT1_CF	blue	na
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chrUn	13898845	13899170	326 SAT1_CF	blue	na
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chrUn	13900725	13901586	862 SAT1_CF	blue	na
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chrUn	13902286	13902810	525 SAT1_CF	blue	na
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chrUn	13903538	13904147	610 SAT1_CF	blue	na
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chrUn	13905059	13905757	699 SAT1_CF	blue	na
chrUn	13905771	13906318	548 SAT1_CF	blue	na
chrUn	13906400	13906876	477 SAT1_CF	blue	na
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chrUn	13907468	13907581	114 SAT1_CF	blue	na

chrUn	13907598	13908997	1400 SAT1_CF	blue	na
chrUn	13909040	13910004	965 SAT1_CF	blue	na
chrUn	13910048	13911005	958 SAT1_CF	blue	na
chrUn	13911045	13911539	495 SAT1_CF	blue	na
chrUn	13911553	13911667	115 SAT1_CF	blue	na
chrUn	13911692	13912319	628 SAT1_CF	blue	na
chrUn	13912331	13913168	838 SAT1_CF	blue	na
chrUn	13913349	13913534	186 SAT1_CF	blue	na
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chrUn	13914082	13914765	684 SAT1_CF	blue	na
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chrUn	13915470	13917060	1591 SAT1_CF	blue	na
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chrUn	13917167	13917691	525 SAT1_CF	blue	na
chrUn	13917748	13918294	547 SAT1_CF	blue	na
chrUn	13918337	13918862	526 SAT1_CF	blue	na
chrUn	13918873	13919928	1056 SAT1_CF	blue	na
chrUn	13919971	13920513	543 SAT1_CF	blue	na
chrUn	13920536	13922488	1953 SAT1_CF	blue	na
chrUn	13922515	13924125	1611 SAT1_CF	blue	na
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chrUn	13925589	13926088	500 SAT1_CF	blue	na
chrUn	13926133	13926785	653 SAT1_CF	blue	na
chrUn	13926797	13928607	1811 SAT1_CF	blue	na
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chrUn	13929859	13930417	559 SAT1_CF	blue	na
chrUn	13930430	13931282	853 SAT1_CF	blue	na
chrUn	13931367	13931911	545 SAT1_CF	blue	na
chrUn	13931953	13932131	179 SAT1_CF	blue	na
chrUn	13932191	13933105	915 SAT1_CF	blue	na
chrUn	13933192	13933693	502 SAT1_CF	blue	na
chrUn	13933706	13934382	677 SAT1_CF	blue	na
chrUn	13934407	13934596	190 SAT1_CF	blue	na
chrUn	13934645	13935239	595 SAT1_CF	blue	na
chrUn	13936641	13937158	518 SAT1_CF	blue	na
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chrUn	13937759	13938441	683 SAT1_CF	blue	na
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chrUn	13939143	13939785	643 SAT1_CF	blue	na
chrUn	13939829	13941034	1206 SAT1_CF	blue	na
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chrUn	13941232	13941751	520 SAT1_CF	blue	na
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chrUn	13947606	13948273	668 SAT1_CF	blue	na
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chrUn	13952279	13952827	549 SAT1_CF	blue	na
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chrUn	13956868	13957270	403 SAT1_CF	blue	na
chrUn	13957310	13957812	503 SAT1_CF	blue	na
chrUn	13957825	13959579	1755 SAT1_CF	blue	na
chrUn	13959607	13960131	525 SAT1_CF	blue	na
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chrUn	13967766	13968612	847 SAT1_CF	blue	na
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chrUn	13976208	13977401	1194 SAT1_CF	blue	na
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chrUn	13990152	13990271	120 SAT1_CF	blue	na
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chrUn	14004037	14004782	746 SAT1_CF	blue	na
chrUn	14004794	14005592	799 SAT1_CF	blue	na

chrUn	14007121	14007840	720	CarSat1	red	na
chrUn	14007835	14008450	616	SAT1_CF	blue	na
chrUn	14008464	14008967	504	SAT1_CF	blue	na
chrUn	14009007	14010503	1497	SAT1_CF	blue	na
chrUn	14010525	14011730	1206	SAT1_CF	blue	na
chrUn	14011742	14012184	443	SAT1_CF	blue	na
chrUn	14012186	14014156	1971	CarSat1	red	na
chrUn	14014177	14014477	301	CarSat1	red	na
chrUn	14014720	14016001	1282	CarSat1	red	na
chrUn	14016023	14016724	702	CarSat1	red	na
chrUn	14037327	14037489	163	Sat2CF	purple	na
chrUn	14037355	14038055	701	Sat2CF	purple	na
chrUn	14068419	14069656	1238	Sat2CF	purple	na
chrUn	14110066	14111251	1186	Sat2CF	purple	na
chrUn	14135971	14137190	1220	Sat2CF	purple	na
chrUn	14136105	14137185	1081	Sat2CF	purple	na
chrUn	14156850	14157166	317	Sat2CF	purple	na
chrUn	14156852	14157217	366	Sat2CF	purple	na
chrUn	14159680	14159821	142	CarSat1	red	na
chrUn	14159842	14160884	1043	CarSat1	red	na
chrUn	14160900	14161376	477	CarSat1	red	na
chrUn	14170293	14171026	734	CarSat1	red	na
chrUn	14171047	14172642	1596	CarSat1	red	na
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chrUn	14182906	14183425	520	Sat2CF	purple	na
chrUn	14182908	14183531	624	Sat2CF	purple	na
chrUn	14182986	14183458	473	Sat2CF	purple	na
chrUn	14192471	14192802	332	Sat2CF	purple	na
chrUn	14192512	14193027	516	Sat2CF	purple	na
chrUn	14192898	14193047	150	Sat2CF	purple	na
chrUn	14207918	14209053	1136	Sat2CF	purple	na
chrUn	14208876	14209077	202	Sat2CF	purple	na
chrUn	14208946	14209122	177	Sat2CF	purple	na
chrUn	14237162	14237514	353	Sat2CF	purple	na
chrUn	14237221	14238011	791	Sat2CF	purple	na
chrUn	14252845	14253794	950	Sat2CF	purple	na
chrUn	14252908	14253714	807	Sat2CF	purple	na
chrUn	14276219	14276956	738	Sat2CF	purple	na
chrUn	14276293	14276954	662	Sat2CF	purple	na
chrUn	14307927	14308809	883	Sat2CF	purple	na
chrUn	14308016	14309098	1083	Sat2CF	purple	na

chrUn	14308974	14309123	150 Sat2CF	purple	na
chrUn	14324017	14324900	884 Sat2CF	purple	na
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chrUn	14353247	14354362	1116 Sat2CF	purple	na
chrUn	14399159	14400059	901 Sat2CF	purple	na
chrUn	14427733	14428840	1108 Sat2CF	purple	na
chrUn	14436844	14438055	1212 Sat2CF	purple	na
chrUn	14453321	14454570	1250 Sat2CF	purple	na
chrUn	14453451	14454537	1087 Sat2CF	purple	na
chrUn	14485290	14486505	1216 Sat2CF	purple	na
chrUn	14485418	14486500	1083 Sat2CF	purple	na
chrUn	14486376	14486525	150 Sat2CF	purple	na
chrUn	14505009	14505293	285 CarSat1	red	na
chrUn	14505521	14506163	643 CarSat1	red	na
chrUn	14506158	14506773	616 SAT1_CF	blue	na
chrUn	14506786	14507288	503 SAT1_CF	blue	na
chrUn	14507328	14510019	2692 SAT1_CF	blue	na
chrUn	14510031	14510502	472 SAT1_CF	blue	na
chrUn	14510504	14512479	1976 CarSat1	red	na
chrUn	14512500	14514088	1589 CarSat1	red	na
chrUn	14514189	14514811	623 CarSat1	red	na
chrUn	14527334	14528141	808 Sat2CF	purple	na
chrUn	14555522	14556678	1157 Sat2CF	purple	na
chrUn	14555659	14556656	998 Sat2CF	purple	na
chrUn	14577177	14577872	696 Sat2CF	purple	na
chrUn	14577765	14577914	150 Sat2CF	purple	na
chrUn	14597669	14598367	699 Sat2CF	purple	na
chrUn	14612862	14614030	1169 Sat2CF	purple	na
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chrUn	14672770	14673946	1177 Sat2CF	purple	na
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chrUn	14701841	14702632	792 Sat2CF	purple	na
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chrUn	14728555	14728734	180 Sat2CF	purple	na
chrUn	14743557	14744388	832 Sat2CF	purple	na
chrUn	14743641	14744367	727 Sat2CF	purple	na
chrUn	14744257	14744425	169 Sat2CF	purple	na
chrUn	14754593	14755769	1177 Sat2CF	purple	na

chrUn	14754735	14755740	1006 Sat2CF	purple	na
chrUn	14803091	14804318	1228 Sat2CF	purple	na
chrUn	14822579	14823713	1135 Sat2CF	purple	na
chrUn	14822706	14823644	939 Sat2CF	purple	na
chrUn	14823528	14823674	147 Sat2CF	purple	na
chrUn	14832571	14832908	338 Sat2CF	purple	na
chrUn	14832618	14833148	531 Sat2CF	purple	na
chrUn	14833004	14833180	177 Sat2CF	purple	na
chrUn	14848080	14848889	810 Sat2CF	purple	na
chrUn	14848761	14848928	168 Sat2CF	purple	na
chrUn	14861045	14862122	1078 Sat2CF	purple	na
chrUn	14861175	14862113	939 Sat2CF	purple	na
chrUn	14864781	14866368	1588 CarSat1	red	na
chrUn	14866395	14867879	1485 CarSat1	red	na
chrUn	14876403	14877115	713 CarSat1	red	na
chrUn	14877308	14877941	634 CarSat1	red	na
chrUn	14877957	14878929	973 CarSat1	red	na
chrUn	14878954	14879666	713 CarSat1	red	na
chrUn	14879682	14881140	1459 CarSat1	red	na
chrUn	14881156	14881625	470 CarSat1	red	na
chrUn	14881651	14884719	3069 CarSat1	red	na
chrUn	14884744	14886190	1447 CarSat1	red	na
chrUn	14886215	14886919	705 CarSat1	red	na
chrUn	14886944	14887375	432 CarSat1	red	na
chrUn	14887422	14888105	684 CarSat1	red	na
chrUn	14888188	14888831	644 CarSat1	red	na
chrUn	14888852	14890030	1179 CarSat1	red	na
chrUn	14890060	14890469	410 CarSat1	red	na
chrUn	14897096	14898263	1168 Sat2CF	purple	na
chrUn	14953591	14954533	943 Sat2CF	purple	na
chrUn	14953602	14954689	1088 Sat2CF	purple	na
chrUn	14954559	14954760	202 Sat2CF	purple	na
chrUn	14956442	14956854	413 CarSat1	red	na
chrUn	14957822	14959406	1585 CarSat1	red	na
chrUn	14959427	14960139	713 CarSat1	red	na
chrUn	14960299	14961537	1239 CarSat1	red	na
chrUn	14961575	14962457	883 CarSat1	red	na
chrUn	14962452	14963995	1544 SAT1_CF	blue	na
chrUn	14964037	14966170	2134 SAT1_CF	blue	na
chrUn	14966183	14966726	544 SAT1_CF	blue	na
chrUn	14966758	14967645	888 SAT1_CF	blue	na
chrUn	14973910	14978800	4891 SAT1_CF	blue	na

chrUn	14978799	14979978	1180	CarSat1	red	na
chrUn	14979997	14981511	1515	CarSat1	red	na
chrUn	14981533	14982524	992	CarSat1	red	na
chrUn	14998533	14998928	396	CarSat1	red	na
chrUn	14998990	14999714	725	CarSat1	red	na
chrUn	14999725	15001429	1705	SAT1_CF	blue	na
chrUn	15001472	15003149	1678	SAT1_CF	blue	na
chrUn	15003154	15004087	934	CarSat1	red	na
chrUn	15004100	15005322	1223	CarSat1	red	na
chrUn	15005346	15005876	531	CarSat1	red	na
chrUn	15005976	15007451	1476	CarSat1	red	na
chrUn	15007471	15009072	1602	CarSat1	red	na
chrUn	15009093	15009794	702	CarSat1	red	na
chrUn	15023323	15023485	163	Sat2CF	purple	na
chrUn	15023351	15024064	714	Sat2CF	purple	na
chrUn	15042904	15044080	1177	Sat2CF	purple	na
chrUn	15056093	15056444	352	Sat2CF	purple	na
chrUn	15056158	15056405	248	Sat2CF	purple	na
chrUn	15056162	15056438	277	Sat2CF	purple	na
chrUn	15071812	15073065	1254	Sat2CF	purple	na
chrUn	15071943	15073063	1121	Sat2CF	purple	na
chrUn	15091651	15092732	1082	Sat2CF	purple	na
chrUn	15092603	15092769	167	Sat2CF	purple	na
chrUn	15119915	15121093	1179	Sat2CF	purple	na
chrUn	15136374	15137407	1034	Sat2CF	purple	na
chrUn	15137262	15137442	181	Sat2CF	purple	na
chrUn	15162862	15163786	925	Sat2CF	purple	na
chrUn	15162873	15163670	798	Sat2CF	purple	na
chrUn	15174882	15175819	938	Sat2CF	purple	na
chrUn	15174893	15175940	1048	Sat2CF	purple	na
chrUn	15199286	15200469	1184	Sat2CF	purple	na
chrUn	15200303	15200501	199	Sat2CF	purple	na
chrUn	15230084	15231335	1252	Sat2CF	purple	na
chrUn	15234026	15234391	366	CarSat1	red	na
chrUn	15234440	15235456	1017	CarSat1	red	na
chrUn	15235472	15235945	474	CarSat1	red	na
chrUn	15241182	15242700	1519	CarSat1	red	na
chrUn	15242723	15243803	1081	CarSat1	red	na
chrUn	15247782	15248913	1132	Sat2CF	purple	na
chrUn	15248598	15248965	368	Sat2CF	purple	na
chrUn	15248806	15248985	180	Sat2CF	purple	na
chrUn	15276857	15277752	896	Sat2CF	purple	na

chrUn	15276920	15277707	788 Sat2CF	purple	na
chrUn	15415083	15415245	163 Sat2CF	purple	na
chrUn	15415111	15415449	339 Sat2CF	purple	na
chrUn	15415146	15416035	890 Sat2CF	purple	na
chrUn	15415222	15416001	780 Sat2CF	purple	na
chrUn	15444710	15445097	388 Sat2CF	purple	na
chrUn	15444784	15445538	755 Sat2CF	purple	na
chrUn	15445732	15445966	235 Sat2CF	purple	na
chrUn	15445734	15445933	200 Sat2CF	purple	na
chrUn	15480882	15482049	1168 Sat2CF	purple	na
chrUn	15481941	15482120	180 Sat2CF	purple	na
chrUn	15497138	15497964	827 Sat2CF	purple	na
chrUn	15497222	15497948	727 Sat2CF	purple	na
chrUn	15497838	15498006	169 Sat2CF	purple	na
chrUn	15508434	15509612	1179 Sat2CF	purple	na
chrUn	15549177	15549338	162 Sat2CF	purple	na
chrUn	15549205	15549561	357 Sat2CF	purple	na
chrUn	15549244	15550071	828 Sat2CF	purple	na
chrUn	15565450	15566247	798 Sat2CF	purple	na
chrUn	15566130	15566297	168 Sat2CF	purple	na
chrUn	15566130	15566297	168 Sat2CF	purple	na
chrUn	15576477	15576761	285 CarSat1	red	na
chrUn	15576914	15577633	720 CarSat1	red	na
chrUn	15577628	15578232	605 SAT1_CF	blue	na
chrUn	15578254	15578756	503 SAT1_CF	blue	na
chrUn	15578796	15579757	962 SAT1_CF	blue	na
chrUn	15579835	15580618	784 SAT1_CF	blue	na
chrUn	15580648	15581447	800 SAT1_CF	blue	na
chrUn	15581459	15581842	384 SAT1_CF	blue	na
chrUn	15581854	15583829	1976 CarSat1	red	na
chrUn	15583851	15584552	702 CarSat1	red	na
chrUn	15606737	15607503	767 Sat2CF	purple	na
chrUn	15639061	15640219	1159 Sat2CF	purple	na
chrUn	15639201	15640197	997 Sat2CF	purple	na
chrUn	15660514	15661279	766 Sat2CF	purple	na
chrUn	15680319	15681462	1144 Sat2CF	purple	na
chrUn	15681334	15681482	149 Sat2CF	purple	na
chrUn	15695980	15697149	1170 Sat2CF	purple	na
chrUn	15697041	15697218	178 Sat2CF	purple	na
chrUn	15712267	15713066	800 Sat2CF	purple	na
chrUn	15712948	15713116	169 Sat2CF	purple	na
chrUn	15725132	15726306	1175 Sat2CF	purple	na

chrUn	15800312	15801445	1134 Sat2CF	purple	na
chrUn	15800446	15801530	1085 Sat2CF	purple	na
chrUn	15830973	15831135	163 Sat2CF	purple	na
chrUn	15831001	15831339	339 Sat2CF	purple	na
chrUn	15831040	15831847	808 Sat2CF	purple	na
chrUn	15831248	15831918	671 Sat2CF	purple	na
chrUn	15860659	15861879	1221 Sat2CF	purple	na
chrUn	15861750	15861899	150 Sat2CF	purple	na
chrUn	15877425	15878694	1270 Sat2CF	purple	na
chrUn	15877428	15878562	1135 Sat2CF	purple	na
chrUn	15895606	15896786	1181 Sat2CF	purple	na
chrUn	15896680	15896858	179 Sat2CF	purple	na
chrUn	15911693	15912509	817 Sat2CF	purple	na
chrUn	15911767	15912488	722 Sat2CF	purple	na
chrUn	15912378	15912546	169 Sat2CF	purple	na
chrUn	15924565	15925466	902 Sat2CF	purple	na
chrUn	15968964	15969126	163 Sat2CF	purple	na
chrUn	15968992	15969349	358 Sat2CF	purple	na
chrUn	15969031	15969859	829 Sat2CF	purple	na
chrUn	16106711	16107878	1168 Sat2CF	purple	na
chrUn	16142104	16144373	2270 SAT1_CF	blue	na
chrUn	16144386	16144888	503 SAT1_CF	blue	na
chrUn	16144901	16145592	692 SAT1_CF	blue	na
chrUn	16145672	16146216	545 SAT1_CF	blue	na
chrUn	16146233	16146565	333 SAT1_CF	blue	na
chrUn	16146577	16148266	1690 SAT1_CF	blue	na
chrUn	16148309	16150470	2162 SAT1_CF	blue	na
chrUn	16150496	16150653	158 SAT1_CF	blue	na
chrUn	16150673	16151860	1188 SAT1_CF	blue	na
chrUn	16151922	16152501	580 SAT1_CF	blue	na
chrUn	16152541	16154701	2161 SAT1_CF	blue	na
chrUn	16154730	16155253	524 SAT1_CF	blue	na
chrUn	16155280	16155465	186 SAT1_CF	blue	na
chrUn	16155648	16155811	164 SAT1_CF	blue	na
chrUn	16155890	16157675	1786 SAT1_CF	blue	na
chrUn	16157688	16158520	833 SAT1_CF	blue	na
chrUn	16158537	16159099	563 SAT1_CF	blue	na
chrUn	16159127	16159757	631 SAT1_CF	blue	na
chrUn	16159800	16160346	547 SAT1_CF	blue	na
chrUn	16160366	16160475	110 SAT1_CF	blue	na
chrUn	16160487	16161249	763 SAT1_CF	blue	na
chrUn	16161263	16161813	551 SAT1_CF	blue	na

chrUn	16161835	16161942	108 SAT1_CF	blue	na
chrUn	16161955	16162456	502 SAT1_CF	blue	na
chrUn	16162522	16162658	137 SAT1_CF	blue	na
chrUn	16162673	16163197	525 SAT1_CF	blue	na
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chrUn	16163819	16164435	617 SAT1_CF	blue	na
chrUn	16164484	16165164	681 SAT1_CF	blue	na
chrUn	16165176	16165731	556 SAT1_CF	blue	na
chrUn	16165752	16165859	108 SAT1_CF	blue	na
chrUn	16165872	16166373	502 SAT1_CF	blue	na
chrUn	16166439	16166574	136 SAT1_CF	blue	na
chrUn	16166602	16167165	564 SAT1_CF	blue	na
chrUn	16167209	16168542	1334 SAT1_CF	blue	na
chrUn	16168554	16169235	682 SAT1_CF	blue	na
chrUn	16169247	16169928	682 SAT1_CF	blue	na
chrUn	16169943	16170491	549 SAT1_CF	blue	na
chrUn	16170535	16170892	358 SAT1_CF	blue	na
chrUn	16170917	16172218	1302 SAT1_CF	blue	na
chrUn	16172231	16172752	522 SAT1_CF	blue	na
chrUn	16172786	16173105	320 SAT1_CF	blue	na
chrUn	16173148	16174828	1681 SAT1_CF	blue	na
chrUn	16174870	16175569	700 SAT1_CF	blue	na
chrUn	16175648	16176360	713 SAT1_CF	blue	na
chrUn	16177751	16178337	587 SAT1_CF	blue	na
chrUn	16178352	16180095	1744 SAT1_CF	blue	na
chrUn	16180695	16181377	683 SAT1_CF	blue	na
chrUn	16181389	16183916	2528 SAT1_CF	blue	na
chrUn	16183931	16184043	113 SAT1_CF	blue	na
chrUn	16184066	16184746	681 SAT1_CF	blue	na
chrUn	16184759	16185261	503 SAT1_CF	blue	na
chrUn	16185337	16186018	682 SAT1_CF	blue	na
chrUn	16186031	16186533	503 SAT1_CF	blue	na
chrUn	16186546	16188428	1883 SAT1_CF	blue	na
chrUn	16188470	16188642	173 SAT1_CF	blue	na
chrUn	16188654	16189330	677 SAT1_CF	blue	na
chrUn	16189342	16190019	678 SAT1_CF	blue	na
chrUn	16190044	16190538	495 SAT1_CF	blue	na
chrUn	16190625	16190965	341 SAT1_CF	blue	na
chrUn	16192380	16192567	188 SAT1_CF	blue	na
chrUn	16192579	16193802	1224 SAT1_CF	blue	na
chrUn	16193845	16194520	676 SAT1_CF	blue	na
chrUn	16194532	16195138	607 SAT1_CF	blue	na

chrUn	16195150	16196567	1418 SAT1_CF	blue	na
chrUn	16196594	16197213	620 SAT1_CF	blue	na
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chrUn	16198642	16199160	519 SAT1_CF	blue	na
chrUn	16199228	16200140	913 SAT1_CF	blue	na
chrUn	16200184	16201000	817 SAT1_CF	blue	na
chrUn	16201042	16201902	861 SAT1_CF	blue	na
chrUn	16201914	16203382	1469 SAT1_CF	blue	na
chrUn	16203452	16204054	603 SAT1_CF	blue	na
chrUn	16204076	16204617	542 SAT1_CF	blue	na
chrUn	16204659	16205521	863 SAT1_CF	blue	na
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chrUn	16206109	16206216	108 SAT1_CF	blue	na
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chrUn	16207493	16209529	2037 SAT1_CF	blue	na
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chrUn	16211981	16212700	720 SAT1_CF	blue	na
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chrUn	16216631	16217965	1335 SAT1_CF	blue	na
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chrUn	16221138	16221687	550 SAT1_CF	blue	na
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chrUn	16226324	16226845	522 SAT1_CF	blue	na
chrUn	16226860	16228688	1829 SAT1_CF	blue	na
chrUn	16228731	16229277	547 SAT1_CF	blue	na
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chrUn	16230038	16230539	502 SAT1_CF	blue	na
chrUn	16230579	16233218	2640 SAT1_CF	blue	na
chrUn	16233246	16235021	1776 SAT1_CF	blue	na
chrUn	16235048	16235149	102 SAT1_CF	blue	na
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chrUn	16251107	16251647	541 SAT1_CF	blue	na
chrUn	16251709	16252743	1035 SAT1_CF	blue	na
chrUn	16252755	16253453	699 SAT1_CF	blue	na
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chrUn	16254963	16255824	862 SAT1_CF	blue	na
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chrUn	16256412	16256518	107 SAT1_CF	blue	na
chrUn	16256531	16257030	500 SAT1_CF	blue	na
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chrUn	16260612	16261804	1193 SAT1_CF	blue	na
chrUn	16261817	16263680	1864 SAT1_CF	blue	na
chrUn	16263692	16264347	656 SAT1_CF	blue	na
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chrUn	16264936	16265789	854 SAT1_CF	blue	na
chrUn	16265802	16266324	523 SAT1_CF	blue	na
chrUn	16266371	16266528	158 SAT1_CF	blue	na
chrUn	16266541	16267061	521 SAT1_CF	blue	na
chrUn	16267079	16267982	904 SAT1_CF	blue	na
chrUn	16268031	16268884	854 SAT1_CF	blue	na
chrUn	16268896	16269477	582 SAT1_CF	blue	na
chrUn	16269557	16270423	867 SAT1_CF	blue	na
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chrUn	16283897	16286193	2297 SAT1_CF	blue	na
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chrUn	16310035	16310635	601 SAT1_CF	blue	na
chrUn	16310661	16311204	544 SAT1_CF	blue	na
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chrUn	16312565	16312737	173 SAT1_CF	blue	na
chrUn	16312749	16313413	665 SAT1_CF	blue	na
chrUn	16313436	16315472	2037 SAT1_CF	blue	na
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chrUn	16315915	16317345	1431 SAT1_CF	blue	na
chrUn	16317367	16318138	772 SAT1_CF	blue	na
chrUn	16318150	16318651	502 SAT1_CF	blue	na
chrUn	16318699	16319479	781 SAT1_CF	blue	na
chrUn	16319534	16320496	963 SAT1_CF	blue	na
chrUn	16320539	16321085	547 SAT1_CF	blue	na
chrUn	16321105	16321214	110 SAT1_CF	blue	na
chrUn	16321226	16322345	1120 SAT1_CF	blue	na
chrUn	16322395	16322481	87 SAT1_CF	blue	na
chrUn	16322548	16323058	511 SAT1_CF	blue	na
chrUn	16323137	16325564	2428 SAT1_CF	blue	na
chrUn	16325606	16326464	859 SAT1_CF	blue	na
chrUn	16326476	16326981	506 SAT1_CF	blue	na
chrUn	16327026	16327183	158 SAT1_CF	blue	na
chrUn	16327198	16328461	1264 SAT1_CF	blue	na
chrUn	16328531	16329124	594 SAT1_CF	blue	na
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chrUn	16329335	16330518	1184 SAT1_CF	blue	na
chrUn	16330560	16331406	847 SAT1_CF	blue	na
chrUn	16331424	16332105	682 SAT1_CF	blue	na
chrUn	16332118	16332877	760 SAT1_CF	blue	na
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chrUn	16333478	16333848	371 SAT1_CF	blue	na

chrUn	16333870	16334678	809 SAT1_CF	blue	na
chrUn	16334720	16334892	173 SAT1_CF	blue	na
chrUn	16334904	16336276	1373 SAT1_CF	blue	na
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chrUn	16336824	16337009	186 SAT1_CF	blue	na
chrUn	16337190	16337392	203 SAT1_CF	blue	na
chrUn	16337435	16339223	1789 SAT1_CF	blue	na
chrUn	16339235	16339867	633 SAT1_CF	blue	na
chrUn	16339937	16340478	542 SAT1_CF	blue	na
chrUn	16340543	16340808	266 SAT1_CF	blue	na
chrUn	16340888	16341923	1036 SAT1_CF	blue	na
chrUn	16341965	16343022	1058 SAT1_CF	blue	na
chrUn	16343064	16344517	1454 SAT1_CF	blue	na
chrUn	16344543	16344700	158 SAT1_CF	blue	na
chrUn	16344728	16345986	1259 SAT1_CF	blue	na
chrUn	16345999	16346109	111 SAT1_CF	blue	na
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chrUn	16630393	16631824	1432 SAT1_CF	blue	na
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chrUn	16898629	16899299	671 SAT1_CF	blue	na
chrUn	16899320	16899883	564 SAT1_CF	blue	na
chrUn	16899926	16900602	677 SAT1_CF	blue	na
chrUn	16900614	16901095	482 SAT1_CF	blue	na
chrUn	16901201	16901713	513 SAT1_CF	blue	na
chrUn	16901750	16902294	545 SAT1_CF	blue	na
chrUn	16902308	16903191	884 SAT1_CF	blue	na
chrUn	16903234	16903899	666 SAT1_CF	blue	na
chrUn	16903912	16904594	683 SAT1_CF	blue	na
chrUn	16904607	16905108	502 SAT1_CF	blue	na
chrUn	16905141	16906200	1060 SAT1_CF	blue	na
chrUn	16906216	16907176	961 SAT1_CF	blue	na
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chrUn	16907911	16908385	475 SAT1_CF	blue	na
chrUn	16908456	16908999	544 SAT1_CF	blue	na
chrUn	16909021	16909129	109 SAT1_CF	blue	na
chrUn	16909143	16909829	687 SAT1_CF	blue	na
chrUn	16909841	16910415	575 SAT1_CF	blue	na
chrUn	16910438	16910544	107 SAT1_CF	blue	na
chrUn	16910558	16911608	1051 SAT1_CF	blue	na
chrUn	16911647	16913685	2039 SAT1_CF	blue	na
chrUn	16913728	16914402	675 SAT1_CF	blue	na
chrUn	16914414	16914970	557 SAT1_CF	blue	na
chrUn	16915009	16915739	731 SAT1_CF	blue	na
chrUn	16915918	16915994	77 SAT1_CF	blue	na
chrUn	16916010	16917876	1867 SAT1_CF	blue	na
chrUn	16917920	16918701	782 SAT1_CF	blue	na
chrUn	16918743	16920016	1274 SAT1_CF	blue	na
chrUn	16920027	16920709	683 SAT1_CF	blue	na
chrUn	16920722	16921241	520 SAT1_CF	blue	na
chrUn	16921265	16923323	2059 SAT1_CF	blue	na
chrUn	16923365	16924736	1372 SAT1_CF	blue	na
chrUn	16924756	16926725	1970 SAT1_CF	blue	na
chrUn	16926747	16927242	496 SAT1_CF	blue	na
chrUn	16927286	16927444	159 SAT1_CF	blue	na

chrUn	16927472	16929166	1695 SAT1_CF	blue	na
chrUn	16929208	16930069	862 SAT1_CF	blue	na
chrUn	16930083	16931298	1216 SAT1_CF	blue	na
chrUn	16931319	16933283	1965 SAT1_CF	blue	na
chrUn	16933325	16934694	1370 SAT1_CF	blue	na
chrUn	16934707	16935207	501 SAT1_CF	blue	na
chrUn	16935220	16935799	580 SAT1_CF	blue	na
chrUn	16935817	16937595	1779 CarSat1	red	na
chrUn	16937809	16939612	1804 CarSat1	red	na
chrUn	16939627	16939750	124 Carsat2	orange	na
chrUn	16939642	16941823	2182 CarSat1	red	na
chrUn	16941853	16943296	1444 CarSat1	red	na
chrUn	16943311	16943437	127 Carsat2	orange	na
chrUn	16943326	16944032	707 CarSat1	red	na
chrUn	16944061	16944772	712 CarSat1	red	na
chrUn	16944802	16945512	711 CarSat1	red	na
chrUn	16945527	16945654	128 Carsat2	orange	na
chrUn	16945542	16949718	4177 CarSat1	red	na
chrUn	16949734	16952139	2406 CarSat1	red	na
chrUn	16953735	16954164	430 CarSat1	red	na
chrUn	16954182	16954901	720 CarSat1	red	na
chrUn	16954896	16955511	616 SAT1_CF	blue	na
chrUn	16955524	16956032	509 SAT1_CF	blue	na
chrUn	16956073	16957347	1275 SAT1_CF	blue	na
chrUn	16957385	16958866	1482 SAT1_CF	blue	na
chrUn	16958878	16959349	472 SAT1_CF	blue	na
chrUn	16959351	16961314	1964 CarSat1	red	na
chrUn	16961340	16962929	1590 CarSat1	red	na
chrUn	16962951	16963653	703 CarSat1	red	na
chrUn	16978261	16978419	159 Sat2CF	purple	na
chrUn	16978284	16978994	711 Sat2CF	purple	na
chrUn	17009574	17010724	1151 Sat2CF	purple	na
chrUn	17030942	17031104	163 Sat2CF	purple	na
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chrUn	17055949	17057103	1155 Sat2CF	purple	na
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chrUn	17136144	17136956	813 Sat2CF	purple	na

chrUn	17136218	17136943	726 Sat2CF	purple	na
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chrUn	17192561	17193813	1253 Sat2CF	purple	na
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chrUn	17217381	17217543	163 Sat2CF	purple	na
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chrUn	17217588	17218336	749 Sat2CF	purple	na
chrUn	17246651	17247274	624 Sat2CF	purple	na
chrUn	17246720	17247285	566 Sat2CF	purple	na
chrUn	17262398	17263541	1144 Sat2CF	purple	na
chrUn	17262402	17263670	1269 Sat2CF	purple	na
chrUn	17280938	17282106	1169 Sat2CF	purple	na
chrUn	17397352	17398603	1252 Sat2CF	purple	na
chrUn	17397482	17398567	1086 Sat2CF	purple	na
chrUn	17401274	17401413	140 CarSat1	red	na
chrUn	17401434	17403026	1593 CarSat1	red	na
chrUn	17403047	17404531	1485 CarSat1	red	na
chrUn	17414182	17414295	114 Carsat2	orange	na
chrUn	17414209	17415604	1396 CarSat1	red	na
chrUn	17415619	17416404	786 CarSat1	red	na
chrUn	17416423	17416825	403 CarSat1	red	na
chrUn	17416854	17418230	1377 SAT1_CF	blue	na
chrUn	17418425	17418587	163 Sat2CF	purple	na
chrUn	17418458	17419471	1014 Sat2CF	purple	na
chrUn	17418546	17419408	863 Sat2CF	purple	na
chrUn	17425256	17425668	413 CarSat1	red	na
chrUn	17425702	17426197	496 CarSat1	red	na
chrUn	17426213	17426801	589 CarSat1	red	na
chrUn	17427006	17427596	591 CarSat1	red	na
chrUn	17429264	17430787	1524 CarSat1	red	na
chrUn	17430808	17431522	715 CarSat1	red	na
chrUn	17431543	17432992	1450 CarSat1	red	na
chrUn	17433013	17433727	715 CarSat1	red	na
chrUn	17433748	17434462	715 CarSat1	red	na
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chrUn	17435218	17435932	715 CarSat1	red	na
chrUn	17435953	17436667	715 CarSat1	red	na
chrUn	17436688	17438389	1702 CarSat1	red	na
chrUn	17438405	17439126	722 CarSat1	red	na
chrUn	17439142	17439864	723 CarSat1	red	na
chrUn	17439880	17441828	1949 CarSat1	red	na

chrUn	17441855	17443553	1699	CarSat1	red	na
chrUn	17443569	17444291	723	CarSat1	red	na
chrUn	17444307	17445028	722	CarSat1	red	na
chrUn	17445044	17446500	1457	CarSat1	red	na
chrUn	17446516	17447721	1206	CarSat1	red	na
chrUn	17447748	17448709	962	CarSat1	red	na
chrUn	17448725	17452388	3664	CarSat1	red	na
chrUn	17452413	17453589	1177	CarSat1	red	na
chrUn	17454113	17454597	485	CarSat1	red	na
chrUn	17454622	17455087	466	CarSat1	red	na
chrUn	17455114	17460491	5378	CarSat1	red	na
chrUn	17460516	17461779	1264	CarSat1	red	na
chrUn	17473105	17473998	894	CarSat1	red	na
chrUn	17474221	17475666	1446	CarSat1	red	na
chrUn	17475697	17477285	1589	CarSat1	red	na
chrUn	17477316	17479477	2162	CarSat1	red	na
chrUn	17479682	17480395	714	CarSat1	red	na
chrUn	17640435	17640603	169	Sat2CF	purple	na
chrUn	17640485	17641279	795	Sat2CF	purple	na
chrUn	17656147	17656324	178	Sat2CF	purple	na
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chrUn	17656147	17656324	178	Sat2CF	purple	na
chrUn	17656420	17656751	332	Sat2CF	purple	na
chrUn	17665805	17666925	1121	Sat2CF	purple	na
chrUn	17681761	17682558	798	Sat2CF	purple	na
chrUn	17760057	17760794	738	Sat2CF	purple	na
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chrUn	17784094	17784906	813	Sat2CF	purple	na
chrUn	17784107	17784832	726	Sat2CF	purple	na
chrUn	17802841	17803957	1117	Sat2CF	purple	na
chrUn	17822481	17822994	514	Sat2CF	purple	na
chrUn	17822543	17823390	848	Sat2CF	purple	na
chrUn	17822767	17823465	699	Sat2CF	purple	na
chrUn	17850155	17851338	1184	Sat2CF	purple	na
chrUn	17879852	17881029	1178	Sat2CF	purple	na
chrUn	17892902	17893700	799	Sat2CF	purple	na
chrUn	17920440	17920588	149	Sat2CF	purple	na
chrUn	17920460	17921542	1083	Sat2CF	purple	na
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chrUn	17940626	17941342	717	Sat2CF	purple	na
chrUn	17941208	17941370	163	Sat2CF	purple	na
chrUn	17959866	17961001	1136	Sat2CF	purple	na

chrUn	17982809	17983523	715 Sat2CF	purple	na
chrUn	17983201	17983562	362 Sat2CF	purple	na
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chrUn	17994987	17996960	1974 CarSat1	red	na
chrUn	17996962	17997432	471 SAT1_CF	blue	na
chrUn	17997444	18000243	2800 SAT1_CF	blue	na
chrUn	18000283	18000785	503 SAT1_CF	blue	na
chrUn	18000803	18001413	611 SAT1_CF	blue	na
chrUn	18001408	18002121	714 CarSat1	red	na
chrUn	18002273	18002566	294 CarSat1	red	na
chrUn	18011686	18013172	1487 CarSat1	red	na
chrUn	18013451	18013663	213 CarSat1	red	na
chrUn	18454111	18455289	1179 Sat2CF	purple	na
chrUn	18478340	18479415	1076 Sat2CF	purple	na
chrUn	18492278	18492668	391 Sat2CF	purple	na
chrUn	18492344	18492694	351 Sat2CF	purple	na
chrUn	18552236	18553411	1176 Sat2CF	purple	na
chrUn	18570556	18571453	898 Sat2CF	purple	na
chrUn	18570619	18571408	790 Sat2CF	purple	na
chrUn	18588788	18589919	1132 Sat2CF	purple	na
chrUn	18608346	18609299	954 Sat2CF	purple	na
chrUn	18608409	18609219	811 Sat2CF	purple	na
chrUn	18627505	18628756	1252 Sat2CF	purple	na
chrUn	18627635	18628720	1086 Sat2CF	purple	na
chrUn	18664702	18665587	886 Sat2CF	purple	na
chrUn	18683451	18684238	788 Sat2CF	purple	na
chrUn	18699742	18700941	1200 Sat2CF	purple	na
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chrUn	18734431	18734595	165 Sat2CF	purple	na
chrUn	18734459	18735310	852 Sat2CF	purple	na
chrUn	18734708	18735381	674 Sat2CF	purple	na
chrUn	18763691	18764911	1221 Sat2CF	purple	na
chrUn	18764782	18764931	150 Sat2CF	purple	na
chrUn	18780028	18780406	379 Sat2CF	purple	na
chrUn	18780464	18780815	352 Sat2CF	purple	na
chrUn	18780500	18781846	1347 Sat2CF	purple	na
chrUn	18780708	18782051	1344 Sat2CF	purple	na
chrUn	18781324	18782136	813 Sat2CF	purple	na
chrUn	18799713	18800881	1169 Sat2CF	purple	na
chrUn	18800703	18800901	199 Sat2CF	purple	na
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chrUn	18812984	18813795	812 Sat2CF	purple	na

chrUn	18813049	18813774	726 Sat2CF	purple	na
chrUn	18813664	18813832	169 Sat2CF	purple	na
chrUn	18826819	18827483	665 Sat2CF	purple	na
chrUn	18835423	18835523	101 SAT1_CF	blue	na
chrUn	18835542	18835585	44 SAT1_CF	blue	na
chrUn	18835616	18836160	545 SAT1_CF	blue	na
chrUn	18836203	18836750	548 SAT1_CF	blue	na
chrUn	18836761	18837215	455 SAT1_CF	blue	na
chrUn	18837280	18838386	1107 CarSat1	red	na
chrUn	18838540	18840131	1592 CarSat1	red	na
chrUn	18840152	18841601	1450 CarSat1	red	na
chrUn	18841760	18842465	706 CarSat1	red	na
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chrUn	18895974	18896908	935 Sat2CF	purple	na
chrUn	18896037	18896827	791 Sat2CF	purple	na
chrUn	18903044	18903389	346 Sat2CF	purple	na
chrUn	18903103	18903893	791 Sat2CF	purple	na
chrUn	18922278	18923394	1117 Sat2CF	purple	na
chrUn	18941587	18942528	942 Sat2CF	purple	na
chrUn	18963816	18964553	738 Sat2CF	purple	na
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chrUn	19062347	19062868	522 Sat2CF	purple	na
chrUn	19062411	19063238	828 Sat2CF	purple	na
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chrUn	19112155	19113322	1168 Sat2CF	purple	na
chrUn	19142090	19143269	1180 Sat2CF	purple	na
chrUn	19143109	19143308	200 Sat2CF	purple	na
chrUn	19170997	19171934	938 Sat2CF	purple	na
chrUn	19173653	19174066	414 CarSat1	red	na
chrUn	19175034	19176270	1237 CarSat1	red	na
chrUn	19176308	19177179	872 CarSat1	red	na
chrUn	19177174	19180942	3769 SAT1_CF	blue	na
chrUn	19180954	19181119	166 SAT1_CF	blue	na
chrUn	19181131	19181737	607 SAT1_CF	blue	na
chrUn	19181748	19182292	545 SAT1_CF	blue	na
chrUn	19182305	19182935	631 SAT1_CF	blue	na

chrUn	19189247	19190947	1701 SAT1_CF	blue	na
chrUn	19190952	19191434	483 CarSat1	red	na
chrUn	19191463	19192841	1379 CarSat1	red	na
chrUn	19192871	19193575	705 CarSat1	red	na
chrUn	19214489	19215265	777 Sat2CF	purple	na
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chrUn	19218543	19219042	500 SAT1_CF	blue	na
chrUn	19219082	19220112	1031 SAT1_CF	blue	na
chrUn	19220139	19220332	194 SAT1_CF	blue	na
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chrUn	19221018	19222223	1206 SAT1_CF	blue	na
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chrUn	19222827	19223547	721 SAT1_CF	blue	na
chrUn	19223651	19224985	1335 SAT1_CF	blue	na
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chrUn	19226406	19226907	502 SAT1_CF	blue	na
chrUn	19226946	19227127	182 SAT1_CF	blue	na
chrUn	19227309	19229345	2037 SAT1_CF	blue	na
chrUn	19229359	19230120	762 SAT1_CF	blue	na
chrUn	19230133	19230632	500 SAT1_CF	blue	na
chrUn	19230672	19231702	1031 SAT1_CF	blue	na
chrUn	19231745	19232290	546 SAT1_CF	blue	na
chrUn	19232340	19233040	701 SAT1_CF	blue	na
chrUn	19233090	19233706	617 SAT1_CF	blue	na
chrUn	19233729	19233834	106 SAT1_CF	blue	na
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chrUn	19234388	19234568	181 SAT1_CF	blue	na
chrUn	19234748	19236795	2048 SAT1_CF	blue	na
chrUn	19236809	19237490	682 SAT1_CF	blue	na
chrUn	19237503	19238203	701 SAT1_CF	blue	na
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chrUn	19238773	19240076	1304 SAT1_CF	blue	na
chrUn	19240124	19241454	1331 SAT1_CF	blue	na
chrUn	19241467	19242227	761 SAT1_CF	blue	na
chrUn	19242240	19242740	501 SAT1_CF	blue	na
chrUn	19242800	19242942	143 SAT1_CF	blue	na
chrUn	19242957	19243702	746 SAT1_CF	blue	na
chrUn	19243763	19244986	1224 SAT1_CF	blue	na
chrUn	19244999	19245797	799 SAT1_CF	blue	na
chrUn	19245841	19246730	890 SAT1_CF	blue	na
chrUn	19246769	19248069	1301 SAT1_CF	blue	na

chrUn	19248081	19248779	699 SAT1_CF	blue	na
chrUn	19248797	19249387	591 SAT1_CF	blue	na
chrUn	19249406	19249515	110 SAT1_CF	blue	na
chrUn	19249527	19250205	679 SAT1_CF	blue	na
chrUn	19250218	19251162	945 SAT1_CF	blue	na
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chrUn	19253004	19253939	936 SAT1_CF	blue	na
chrUn	19253951	19254111	161 SAT1_CF	blue	na
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chrUn	19255434	19256294	861 SAT1_CF	blue	na
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chrUn	19263526	19264602	1077 SAT1_CF	blue	na
chrUn	19264628	19264784	157 SAT1_CF	blue	na
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chrUn	19270153	19270364	212 SAT1_CF	blue	na
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chrUn	19271127	19272185	1059 SAT1_CF	blue	na
chrUn	19272240	19273019	780 SAT1_CF	blue	na
chrUn	19273067	19274400	1334 SAT1_CF	blue	na
chrUn	19274442	19275693	1252 SAT1_CF	blue	na
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chrUn	19277033	19277421	389 SAT1_CF	blue	na
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chrUn	19281186	19281875	690 SAT1_CF	blue	na
chrUn	19281888	19282637	750 SAT1_CF	blue	na
chrUn	19282649	19283204	556 SAT1_CF	blue	na
chrUn	19283225	19283332	108 SAT1_CF	blue	na
chrUn	19283352	19283890	539 SAT1_CF	blue	na
chrUn	19284007	19284919	913 SAT1_CF	blue	na
chrUn	19284997	19285322	326 SAT1_CF	blue	na
chrUn	19285346	19286679	1334 SAT1_CF	blue	na

chrUn	19286692	19287192	501 SAT1_CF	blue	na
chrUn	19287237	19287393	157 SAT1_CF	blue	na
chrUn	19287426	19288600	1175 SAT1_CF	blue	na
chrUn	19288623	19288728	106 SAT1_CF	blue	na
chrUn	19288741	19288915	175 SAT1_CF	blue	na
chrUn	19288927	19289423	497 SAT1_CF	blue	na
chrUn	19289462	19289862	401 SAT1_CF	blue	na
chrUn	19289874	19291416	1543 SAT1_CF	blue	na
chrUn	19291428	19291986	559 SAT1_CF	blue	na
chrUn	19292051	19292597	547 SAT1_CF	blue	na
chrUn	19292640	19292965	326 SAT1_CF	blue	na
chrUn	19292990	19294323	1334 SAT1_CF	blue	na
chrUn	19294335	19295570	1236 SAT1_CF	blue	na
chrUn	19295613	19296251	639 SAT1_CF	blue	na
chrUn	19296264	19296940	677 SAT1_CF	blue	na
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chrUn	19298511	19298848	338 SAT1_CF	blue	na
chrUn	19298896	19301488	2593 SAT1_CF	blue	na
chrUn	19301516	19302316	801 SAT1_CF	blue	na
chrUn	19302360	19303010	651 SAT1_CF	blue	na
chrUn	19303024	19304365	1342 SAT1_CF	blue	na
chrUn	19304392	19304877	486 SAT1_CF	blue	na
chrUn	19304903	19306419	1517 SAT1_CF	blue	na
chrUn	19306434	19306975	542 SAT1_CF	blue	na
chrUn	19307018	19307683	666 SAT1_CF	blue	na
chrUn	19307696	19308197	502 SAT1_CF	blue	na
chrUn	19308237	19310269	2033 SAT1_CF	blue	na
chrUn	19310312	19310977	666 SAT1_CF	blue	na
chrUn	19310999	19312047	1049 SAT1_CF	blue	na
chrUn	19312152	19312975	824 SAT1_CF	blue	na
chrUn	19312988	19313929	942 SAT1_CF	blue	na
chrUn	19313981	19314169	189 SAT1_CF	blue	na
chrUn	19314182	19314703	522 SAT1_CF	blue	na
chrUn	19314770	19315547	778 SAT1_CF	blue	na
chrUn	19315589	19316318	730 SAT1_CF	blue	na
chrUn	19316423	19317107	685 SAT1_CF	blue	na
chrUn	19317120	19317971	852 SAT1_CF	blue	na
chrUn	19317993	19318878	886 SAT1_CF	blue	na
chrUn	19318890	19319567	678 SAT1_CF	blue	na
chrUn	19319585	19320249	665 SAT1_CF	blue	na
chrUn	19320276	19320758	483 SAT1_CF	blue	na
chrUn	19320864	19321424	561 SAT1_CF	blue	na

chrUn	19321489	19322120	632 SAT1_CF	blue	na
chrUn	19322163	19322828	666 SAT1_CF	blue	na
chrUn	19322841	19323522	682 SAT1_CF	blue	na
chrUn	19323535	19324335	801 SAT1_CF	blue	na
chrUn	19324351	19324464	114 SAT1_CF	blue	na
chrUn	19324476	19324991	516 SAT1_CF	blue	na
chrUn	19325135	19326046	912 SAT1_CF	blue	na
chrUn	19326106	19327803	1698 SAT1_CF	blue	na
chrUn	19327815	19329061	1247 SAT1_CF	blue	na
chrUn	19329205	19330116	912 SAT1_CF	blue	na
chrUn	19330195	19330684	490 SAT1_CF	blue	na
chrUn	19330695	19331872	1178 SAT1_CF	blue	na
chrUn	19331884	19333296	1413 SAT1_CF	blue	na
chrUn	19333319	19333790	472 SAT1_CF	blue	na
chrUn	19333850	19334030	181 SAT1_CF	blue	na
chrUn	19334210	19334412	203 SAT1_CF	blue	na
chrUn	19334455	19335830	1376 SAT1_CF	blue	na
chrUn	19335881	19336044	164 SAT1_CF	blue	na
chrUn	19336056	19337374	1319 SAT1_CF	blue	na
chrUn	19337397	19337502	106 SAT1_CF	blue	na
chrUn	19337515	19337995	481 SAT1_CF	blue	na
chrUn	19338051	19338236	186 SAT1_CF	blue	na
chrUn	19338417	19339209	793 SAT1_CF	blue	na
chrUn	19339289	19340460	1172 SAT1_CF	blue	na
chrUn	19340472	19341141	670 SAT1_CF	blue	na
chrUn	19341166	19341668	503 SAT1_CF	blue	na
chrUn	19341755	19342133	379 SAT1_CF	blue	na
chrUn	19342156	19342262	107 SAT1_CF	blue	na
chrUn	19342275	19342819	545 SAT1_CF	blue	na
chrUn	19342896	19344789	1894 SAT1_CF	blue	na
chrUn	19344837	19345714	878 SAT1_CF	blue	na
chrUn	19345739	19346279	541 SAT1_CF	blue	na
chrUn	19346376	19347053	678 SAT1_CF	blue	na
chrUn	19347065	19347748	684 SAT1_CF	blue	na
chrUn	19347761	19348262	502 SAT1_CF	blue	na
chrUn	19348302	19348671	370 SAT1_CF	blue	na
chrUn	19348714	19349237	524 SAT1_CF	blue	na
chrUn	19349269	19350929	1661 SAT1_CF	blue	na
chrUn	19350993	19351180	188 SAT1_CF	blue	na
chrUn	19351193	19351713	521 SAT1_CF	blue	na
chrUn	19351780	19352072	293 SAT1_CF	blue	na
chrUn	19352130	19352671	542 SAT1_CF	blue	na

chrUn	19352714	19353354	641 SAT1_CF	blue	na
chrUn	19353371	19354132	762 SAT1_CF	blue	na
chrUn	19354145	19354645	501 SAT1_CF	blue	na
chrUn	19354685	19355064	380 SAT1_CF	blue	na
chrUn	19355098	19355619	522 SAT1_CF	blue	na
chrUn	19355633	19356136	504 SAT1_CF	blue	na
chrUn	19356180	19356705	526 SAT1_CF	blue	na
chrUn	19356736	19357255	520 SAT1_CF	blue	na
chrUn	19357371	19357726	356 SAT1_CF	blue	na
chrUn	19357739	19359402	1664 SAT1_CF	blue	na
chrUn	19359445	19360117	673 SAT1_CF	blue	na
chrUn	19360129	19360686	558 SAT1_CF	blue	na
chrUn	19360708	19360814	107 SAT1_CF	blue	na
chrUn	19360827	19361329	503 SAT1_CF	blue	na
chrUn	19361395	19361531	137 SAT1_CF	blue	na
chrUn	19361546	19362818	1273 SAT1_CF	blue	na
chrUn	19362840	19365337	2498 SAT1_CF	blue	na
chrUn	19365379	19366244	866 SAT1_CF	blue	na
chrUn	19366256	19366709	454 SAT1_CF	blue	na
chrUn	19366722	19367223	502 SAT1_CF	blue	na
chrUn	19367263	19368184	922 SAT1_CF	blue	na
chrUn	19368215	19369109	895 SAT1_CF	blue	na
chrUn	19369122	19369669	548 SAT1_CF	blue	na
chrUn	19369726	19370683	958 SAT1_CF	blue	na
chrUn	19370726	19372912	2187 SAT1_CF	blue	na
chrUn	19372924	19373606	683 SAT1_CF	blue	na
chrUn	19373626	19374120	495 SAT1_CF	blue	na
chrUn	19374160	19374561	402 SAT1_CF	blue	na
chrUn	19374575	19374808	234 SAT1_CF	blue	na
chrUn	19374829	19375470	642 SAT1_CF	blue	na
chrUn	19375487	19375659	173 SAT1_CF	blue	na
chrUn	19375672	19376934	1263 SAT1_CF	blue	na
chrUn	19376956	19377063	108 SAT1_CF	blue	na
chrUn	19377076	19377905	830 SAT1_CF	blue	na
chrUn	19377920	19379257	1338 SAT1_CF	blue	na
chrUn	19379299	19379842	544 SAT1_CF	blue	na
chrUn	19379885	19380562	678 SAT1_CF	blue	na
chrUn	19380574	19381093	520 SAT1_CF	blue	na
chrUn	19381110	19381480	371 SAT1_CF	blue	na
chrUn	19381525	19382140	616 SAT1_CF	blue	na
chrUn	19382156	19382656	501 SAT1_CF	blue	na
chrUn	19382678	19384289	1612 SAT1_CF	blue	na

chrUn	19384346	19384864	519	SAT1_CF	blue	na
chrUn	19384936	19385302	367	SAT1_CF	blue	na
chrUn	19385345	19386703	1359	SAT1_CF	blue	na
chrUn	19386715	19388747	2033	SAT1_CF	blue	na
chrUn	19388789	19389328	540	SAT1_CF	blue	na
chrUn	19389372	19390052	681	SAT1_CF	blue	na
chrUn	19390064	19390619	556	SAT1_CF	blue	na
chrUn	19390640	19390747	108	SAT1_CF	blue	na
chrUn	19390767	19391305	539	SAT1_CF	blue	na
chrUn	19391388	19393413	2026	SAT1_CF	blue	na
chrUn	19393456	19394130	675	SAT1_CF	blue	na
chrUn	19394143	19394662	520	SAT1_CF	blue	na
chrUn	19394688	19394844	157	SAT1_CF	blue	na
chrUn	19394877	19396048	1172	SAT1_CF	blue	na
chrUn	19396071	19396176	106	SAT1_CF	blue	na
chrUn	19396189	19396667	479	SAT1_CF	blue	na
chrUn	19396725	19397106	382	SAT1_CF	blue	na
chrUn	19397139	19397687	549	SAT1_CF	blue	na
chrUn	19397802	19398762	961	SAT1_CF	blue	na
chrUn	19398806	19399481	676	SAT1_CF	blue	na
chrUn	19399493	19400261	769	SAT1_CF	blue	na
chrUn	19400282	19400756	475	SAT1_CF	blue	na
chrUn	19400821	19401479	659	SAT1_CF	blue	na
chrUn	19401527	19402021	495	SAT1_CF	blue	na
chrUn	19405621	19406271	651	SAT1_CF	blue	na
chrUn	19406315	19407521	1207	SAT1_CF	blue	na
chrUn	19407591	19407973	383	SAT1_CF	blue	na
chrUn	19409252	19409784	533	SAT1_CF	blue	na
chrUn	19409802	19410304	503	SAT1_CF	blue	na
chrUn	19410348	19410506	159	SAT1_CF	blue	na
chrUn	19410572	19411622	1051	SAT1_CF	blue	na
chrUn	19411683	19413420	1738	SAT1_CF	blue	na
chrUn	19413463	19413862	400	SAT1_CF	blue	na
chrUn	19413873	19414382	510	SAT1_CF	blue	na
chrUn	19414413	19416000	1588	SAT1_CF	blue	na
chrUn	19416012	19416575	564	SAT1_CF	blue	na
chrUn	19416593	19416669	77	SAT1_CF	blue	na
chrUn	19416682	19417519	838	SAT1_CF	blue	na
chrUn	19417562	19418086	525	SAT1_CF	blue	na
chrUn	19418120	19418361	242	SAT1_CF	blue	na
chrUn	19418389	19418898	510	SAT1_CF	blue	na
chrUn	19418980	19419542	563	SAT1_CF	blue	na

chrUn	19419570	19420202	633 SAT1_CF	blue	na
chrUn	19420245	19420788	544 SAT1_CF	blue	na
chrUn	19420822	19421769	948 SAT1_CF	blue	na
chrUn	19421797	19423716	1920 SAT1_CF	blue	na
chrUn	19423742	19423899	158 SAT1_CF	blue	na
chrUn	19423914	19425237	1324 SAT1_CF	blue	na
chrUn	19425260	19425731	472 SAT1_CF	blue	na
chrUn	19425805	19425972	168 SAT1_CF	blue	na
chrUn	19426152	19426386	235 SAT1_CF	blue	na
chrUn	19426400	19426942	543 SAT1_CF	blue	na
chrUn	19426964	19427771	808 SAT1_CF	blue	na
chrUn	19427813	19427985	173 SAT1_CF	blue	na
chrUn	19427997	19429367	1371 SAT1_CF	blue	na
chrUn	19429380	19429880	501 SAT1_CF	blue	na
chrUn	19429922	19430880	959 SAT1_CF	blue	na
chrUn	19430937	19433061	2125 SAT1_CF	blue	na
chrUn	19433104	19433921	818 SAT1_CF	blue	na
chrUn	19433963	19434752	790 SAT1_CF	blue	na
chrUn	19434773	19434881	109 SAT1_CF	blue	na
chrUn	19434894	19435597	704 SAT1_CF	blue	na
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chrUn	19436252	19437887	1636 SAT1_CF	blue	na
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chrUn	19439160	19439527	368 SAT1_CF	blue	na
chrUn	19439570	19440456	887 SAT1_CF	blue	na
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chrUn	19441056	19442673	1618 SAT1_CF	blue	na
chrUn	19442707	19443180	474 SAT1_CF	blue	na
chrUn	19443240	19443641	402 SAT1_CF	blue	na
chrUn	19443652	19444262	611 SAT1_CF	blue	na
chrUn	19444278	19445261	984 SAT1_CF	blue	na
chrUn	19445310	19445855	546 SAT1_CF	blue	na
chrUn	19445868	19445984	117 SAT1_CF	blue	na
chrUn	19445996	19446667	672 SAT1_CF	blue	na
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chrUn	19447257	19447393	137 SAT1_CF	blue	na
chrUn	19447421	19448650	1230 SAT1_CF	blue	na
chrUn	19448694	19450143	1450 SAT1_CF	blue	na
chrUn	19450882	19451153	272 SAT1_CF	blue	na
chrUn	19451180	19451682	503 SAT1_CF	blue	na
chrUn	19451748	19451884	137 SAT1_CF	blue	na

chrUn	19451899	19453580	1682 SAT1_CF	blue	na
chrUn	19453592	19454092	501 SAT1_CF	blue	na
chrUn	19454132	19454533	402 SAT1_CF	blue	na
chrUn	19454547	19455889	1343 SAT1_CF	blue	na
chrUn	19455901	19456590	690 SAT1_CF	blue	na
chrUn	19456603	19457105	503 SAT1_CF	blue	na
chrUn	19457118	19457799	682 SAT1_CF	blue	na
chrUn	19457813	19458375	563 SAT1_CF	blue	na
chrUn	19458402	19459461	1060 SAT1_CF	blue	na
chrUn	19459473	19460028	556 SAT1_CF	blue	na
chrUn	19460049	19460145	97 SAT1_CF	blue	na
chrUn	19460175	19460713	539 SAT1_CF	blue	na
chrUn	19460796	19462822	2027 SAT1_CF	blue	na
chrUn	19462865	19463540	676 SAT1_CF	blue	na
chrUn	19463553	19464053	501 SAT1_CF	blue	na
chrUn	19464098	19464254	157 SAT1_CF	blue	na
chrUn	19464287	19465460	1174 SAT1_CF	blue	na
chrUn	19465483	19465588	106 SAT1_CF	blue	na
chrUn	19465601	19466079	479 SAT1_CF	blue	na
chrUn	19466137	19468174	2038 SAT1_CF	blue	na
chrUn	19468218	19468763	546 SAT1_CF	blue	na
chrUn	19468776	19468892	117 SAT1_CF	blue	na
chrUn	19468904	19469593	690 SAT1_CF	blue	na
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chrUn	19471256	19473188	1933 SAT1_CF	blue	na
chrUn	19473232	19473906	675 SAT1_CF	blue	na
chrUn	19473919	19474603	685 SAT1_CF	blue	na
chrUn	19474615	19475316	702 SAT1_CF	blue	na
chrUn	19475331	19476601	1271 SAT1_CF	blue	na
chrUn	19476658	19477146	489 SAT1_CF	blue	na
chrUn	19477159	19477696	538 SAT1_CF	blue	na
chrUn	19477738	19478438	701 SAT1_CF	blue	na
chrUn	19478488	19479245	758 SAT1_CF	blue	na
chrUn	19479259	19479779	521 SAT1_CF	blue	na
chrUn	19479847	19480736	890 SAT1_CF	blue	na
chrUn	19480750	19482353	1604 SAT1_CF	blue	na
chrUn	19482384	19482902	519 SAT1_CF	blue	na
chrUn	19483019	19483374	356 SAT1_CF	blue	na
chrUn	19483387	19484798	1412 SAT1_CF	blue	na
chrUn	19484810	19485329	520 SAT1_CF	blue	na
chrUn	19485350	19485415	66 SAT1_CF	blue	na

chrUn	19485435	19486192	758 SAT1_CF	blue	na
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chrUn	19489216	19489735	520 SAT1_CF	blue	na
chrUn	19489817	19490131	315 SAT1_CF	blue	na
chrUn	19490143	19490772	630 SAT1_CF	blue	na
chrUn	19490839	19492660	1822 SAT1_CF	blue	na
chrUn	19492675	19493199	525 SAT1_CF	blue	na
chrUn	19493242	19494280	1039 SAT1_CF	blue	na
chrUn	19494322	19495113	792 SAT1_CF	blue	na
chrUn	19495136	19495242	107 SAT1_CF	blue	na
chrUn	19495255	19495775	521 SAT1_CF	blue	na
chrUn	19495801	19495958	158 SAT1_CF	blue	na
chrUn	19495991	19497244	1254 SAT1_CF	blue	na
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chrUn	19499587	19500541	955 SAT1_CF	blue	na
chrUn	19500586	19501110	525 SAT1_CF	blue	na
chrUn	19501131	19502030	900 SAT1_CF	blue	na
chrUn	19502072	19502931	860 SAT1_CF	blue	na
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chrUn	19504206	19504342	137 SAT1_CF	blue	na
chrUn	19504357	19504879	523 SAT1_CF	blue	na
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chrUn	19506075	19507924	1850 SAT1_CF	blue	na
chrUn	19507936	19508538	603 SAT1_CF	blue	na
chrUn	19508558	19509186	629 SAT1_CF	blue	na
chrUn	19509369	19509699	331 SAT1_CF	blue	na
chrUn	19509712	19510232	521 SAT1_CF	blue	na
chrUn	19510299	19511845	1547 SAT1_CF	blue	na
chrUn	19511859	19512398	540 SAT1_CF	blue	na
chrUn	19512441	19513117	677 SAT1_CF	blue	na
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chrUn	19513761	19515158	1398 SAT1_CF	blue	na
chrUn	19515172	19515651	480 SAT1_CF	blue	na
chrUn	19515714	19517091	1378 SAT1_CF	blue	na
chrUn	19517135	19518465	1331 SAT1_CF	blue	na
chrUn	19518477	19519123	647 SAT1_CF	blue	na
chrUn	19519136	19519898	763 SAT1_CF	blue	na
chrUn	19519910	19520438	529 SAT1_CF	blue	na
chrUn	19520461	19520567	107 SAT1_CF	blue	na
chrUn	19520580	19521123	544 SAT1_CF	blue	na

chrUn	19521150	19521970	821 SAT1_CF	blue	na
chrUn	19521995	19522536	542 SAT1_CF	blue	na
chrUn	19522633	19523310	678 SAT1_CF	blue	na
chrUn	19523322	19523877	556 SAT1_CF	blue	na
chrUn	19523898	19524006	109 SAT1_CF	blue	na
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chrUn	19524521	19524919	399 SAT1_CF	blue	na
chrUn	19524932	19526082	1151 SAT1_CF	blue	na
chrUn	19526095	19526576	482 SAT1_CF	blue	na
chrUn	19526597	19526996	400 SAT1_CF	blue	na
chrUn	19527009	19528162	1154 SAT1_CF	blue	na
chrUn	19528175	19528676	502 SAT1_CF	blue	na
chrUn	19528742	19528878	137 SAT1_CF	blue	na
chrUn	19528910	19529415	506 SAT1_CF	blue	na
chrUn	19529447	19530666	1220 SAT1_CF	blue	na
chrUn	19530711	19530868	158 SAT1_CF	blue	na
chrUn	19530883	19531407	525 SAT1_CF	blue	na
chrUn	19531487	19532161	675 SAT1_CF	blue	na
chrUn	19532175	19532728	554 SAT1_CF	blue	na
chrUn	19532751	19532856	106 SAT1_CF	blue	na
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chrUn	19533383	19534591	1209 SAT1_CF	blue	na
chrUn	19534657	19536150	1494 SAT1_CF	blue	na
chrUn	19536163	19536665	503 SAT1_CF	blue	na
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chrUn	19542571	19543652	1082 SAT1_CF	blue	na
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chrUn	19544932	19545542	611 SAT1_CF	blue	na
chrUn	19545553	19546106	554 SAT1_CF	blue	na
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chrUn	19546739	19548106	1368 SAT1_CF	blue	na
chrUn	19548118	19549622	1505 SAT1_CF	blue	na
chrUn	19549640	19550400	761 SAT1_CF	blue	na
chrUn	19550413	19552114	1702 SAT1_CF	blue	na
chrUn	19552375	19553206	832 SAT1_CF	blue	na

chrUn	19553249	19553796	548 SAT1_CF	blue	na
chrUn	19553817	19553926	110 SAT1_CF	blue	na
chrUn	19553938	19554260	323 SAT1_CF	blue	na
chrUn	19554339	19555057	719 SAT1_CF	blue	na
chrUn	19555069	19555751	683 SAT1_CF	blue	na
chrUn	19555765	19556446	682 SAT1_CF	blue	na
chrUn	19556460	19556961	502 SAT1_CF	blue	na
chrUn	19557048	19557375	328 SAT1_CF	blue	na
chrUn	19557413	19557958	546 SAT1_CF	blue	na
chrUn	19558036	19559002	967 SAT1_CF	blue	na
chrUn	19559045	19559719	675 SAT1_CF	blue	na
chrUn	19559731	19560285	555 SAT1_CF	blue	na
chrUn	19560306	19560928	623 SAT1_CF	blue	na
chrUn	19560968	19563536	2569 SAT1_CF	blue	na
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chrUn	19564234	19565937	1704 SAT1_CF	blue	na
chrUn	19565992	19566580	589 SAT1_CF	blue	na
chrUn	19566593	19569509	2917 SAT1_CF	blue	na
chrUn	19569540	19571065	1526 SAT1_CF	blue	na
chrUn	19571114	19571788	675 SAT1_CF	blue	na
chrUn	19571800	19572346	547 SAT1_CF	blue	na
chrUn	19572375	19572616	242 SAT1_CF	blue	na
chrUn	19572644	19573191	548 SAT1_CF	blue	na
chrUn	19573234	19574309	1076 SAT1_CF	blue	na
chrUn	19574352	19575210	859 SAT1_CF	blue	na
chrUn	19575222	19575967	746 SAT1_CF	blue	na
chrUn	19575994	19576495	502 SAT1_CF	blue	na
chrUn	19576540	19576697	158 SAT1_CF	blue	na
chrUn	19576712	19577237	526 SAT1_CF	blue	na
chrUn	19577285	19577950	666 SAT1_CF	blue	na
chrUn	19577976	19578477	502 SAT1_CF	blue	na
chrUn	19578523	19579160	638 SAT1_CF	blue	na
chrUn	19579175	19581909	2735 SAT1_CF	blue	na
chrUn	19581921	19582480	560 SAT1_CF	blue	na
chrUn	19582499	19582607	109 SAT1_CF	blue	na
chrUn	19582620	19583140	521 SAT1_CF	blue	na
chrUn	19583157	19583342	186 SAT1_CF	blue	na
chrUn	19583524	19583689	166 SAT1_CF	blue	na
chrUn	19583731	19584701	971 SAT1_CF	blue	na
chrUn	19586084	19586686	603 CarSat1	red	na
chrUn	19586679	19587555	877 SAT1_CF	blue	na
chrUn	19587785	19588794	1010 Sat2CF	purple	na

chrUn	19592318	19592478	161 SAT1_CF	blue	na
chrUn	19592509	19593047	539 SAT1_CF	blue	na
chrUn	19593090	19594159	1070 SAT1_CF	blue	na
chrUn	19594162	19595402	1241 CarSat1	red	na
chrUn	19595423	19596219	797 CarSat1	red	na
chrUn	19596245	19596958	714 CarSat1	red	na
chrUn	19596976	19597689	714 CarSat1	red	na
chrUn	19597714	19598491	778 CarSat1	red	na
chrUn	19598512	19599959	1448 CarSat1	red	na
chrUn	19600118	19600823	706 CarSat1	red	na
chrUn	19622681	19623615	935 Sat2CF	purple	na
chrUn	19622744	19623534	791 Sat2CF	purple	na
chrUn	19641577	19642315	739 Sat2CF	purple	na
chrUn	19641654	19642659	1006 Sat2CF	purple	na
chrUn	19660637	19661454	818 Sat2CF	purple	na
chrUn	19660711	19661438	728 Sat2CF	purple	na
chrUn	19684299	19684529	231 Sat2CF	purple	na
chrUn	19684772	19684995	224 Sat2CF	purple	na
chrUn	19716811	19717945	1135 Sat2CF	purple	na
chrUn	19716945	19718030	1086 Sat2CF	purple	na
chrUn	19717906	19718055	150 Sat2CF	purple	na
chrUn	19771356	19772563	1208 Sat2CF	purple	na
chrUn	19772434	19772583	150 Sat2CF	purple	na
chrUn	19787224	19788368	1145 Sat2CF	purple	na
chrUn	19787228	19788497	1270 Sat2CF	purple	na
chrUn	19852681	19853932	1252 Sat2CF	purple	na
chrUn	19852811	19853896	1086 Sat2CF	purple	na
chrUn	19856432	19857779	1348 CarSat1	red	na
chrUn	19861657	19862346	690 CarSat1	red	na
chrUn	19862357	19863202	846 CarSat1	red	na
chrUn	19863405	19863995	591 CarSat1	red	na
chrUn	19872820	19873531	712 CarSat1	red	na
chrUn	19873726	19874824	1099 CarSat1	red	na
chrUn	19874853	19875343	491 CarSat1	red	na
chrUn	19875376	19876808	1433 CarSat1	red	na
chrUn	19876833	19878278	1446 CarSat1	red	na
chrUn	19878311	19878477	167 CarSat1	red	na
chrUn	19878671	19879960	1290 CarSat1	red	na
chrUn	19879995	19880585	591 CarSat1	red	na
chrUn	19880767	19881634	868 CarSat1	red	na
chrUn	19881667	19881845	179 CarSat1	red	na
chrUn	19882045	19883532	1488 CarSat1	red	na

chrUn	19883571	19885000	1430	CarSat1	red	na
chrUn	19885038	19886177	1140	CarSat1	red	na
chrUn	19892814	19894034	1221	Sat2CF	purple	na
chrUn	19893617	19893981	365	Sat2CF	purple	na
chrUn	19923513	19924729	1217	Sat2CF	purple	na
chrUn	19923641	19924724	1084	Sat2CF	purple	na
chrUn	19924600	19924749	150	Sat2CF	purple	na
chrUn	19948093	19949175	1083	Sat2CF	purple	na
chrUn	19948224	19949166	943	Sat2CF	purple	na
chrUn	19949051	19949228	178	Sat2CF	purple	na
chrUn	19951686	19951825	140	CarSat1	red	na
chrUn	19951847	19953227	1381	CarSat1	red	na
chrUn	19953224	19953275	52	SAT1_CF	blue	na
chrUn	19953306	19953434	129	SAT1_CF	blue	na
chrUn	19953452	19954314	863	SAT1_CF	blue	na
chrUn	19954509	19955621	1113	Sat2CF	purple	na
chrUn	19954561	19955556	996	Sat2CF	purple	na
chrUn	19961364	19962048	685	CarSat1	red	na
chrUn	19962066	19963578	1513	CarSat1	red	na
chrUn	19963605	19965088	1484	CarSat1	red	na
chrUn	19973653	19975978	2326	CarSat1	red	na
chrUn	19976003	19979409	3407	CarSat1	red	na
chrUn	19979430	19980142	713	CarSat1	red	na
chrUn	19980163	19981127	965	CarSat1	red	na
chrUn	19981153	19981214	62	CarSat1	red	na
chrUn	19981404	19982800	1397	CarSat1	red	na
chrUn	19982826	19984022	1197	CarSat1	red	na
chrUn	19984043	19984755	713	CarSat1	red	na
chrUn	19984780	19986046	1267	CarSat1	red	na
chrUn	19987071	19987871	801	SAT1_CF	blue	na
chrUn	19987883	19988733	851	SAT1_CF	blue	na
chrUn	19988746	19988805	60	SAT1_CF	blue	na
chrUn	19988818	19990638	1821	SAT1_CF	blue	na
chrUn	19990678	19991179	502	SAT1_CF	blue	na
chrUn	19991196	19991953	758	SAT1_CF	blue	na
chrUn	19991966	19992579	614	SAT1_CF	blue	na
chrUn	19992591	19993260	670	SAT1_CF	blue	na
chrUn	19993307	19993528	222	SAT1_CF	blue	na
chrUn	19994976	19996292	1317	SAT1_CF	blue	na
chrUn	19997778	19998308	531	SAT1_CF	blue	na
chrUn	19998376	19998897	522	SAT1_CF	blue	na
chrUn	19998924	19999013	90	SAT1_CF	blue	na

chrUn	19999037	19999640	604 SAT1_CF	blue	na
chrUn	19999662	20000446	785 SAT1_CF	blue	na
chrUn	20000490	20001401	912 SAT1_CF	blue	na
chrUn	20001469	20001988	520 SAT1_CF	blue	na
chrUn	20002001	20002979	979 SAT1_CF	blue	na
chrUn	20002991	20003630	640 SAT1_CF	blue	na
chrUn	20003673	20004198	526 SAT1_CF	blue	na
chrUn	20004213	20004349	137 SAT1_CF	blue	na
chrUn	20004396	20004913	518 SAT1_CF	blue	na
chrUn	20004925	20005596	672 SAT1_CF	blue	na
chrUn	20005639	20006712	1074 SAT1_CF	blue	na
chrUn	20006743	20007254	512 SAT1_CF	blue	na
chrUn	20007297	20007915	619 SAT1_CF	blue	na
chrUn	20007927	20008782	856 SAT1_CF	blue	na
chrUn	20008862	20010670	1809 SAT1_CF	blue	na
chrUn	20010723	20011224	502 SAT1_CF	blue	na
chrUn	20011237	20012752	1516 SAT1_CF	blue	na
chrUn	20012794	20013338	545 SAT1_CF	blue	na
chrUn	20013354	20015064	1711 SAT1_CF	blue	na
chrUn	20015086	20015577	492 SAT1_CF	blue	na
chrUn	20015590	20015753	164 SAT1_CF	blue	na
chrUn	20015792	20016052	261 SAT1_CF	blue	na
chrUn	20016072	20016555	484 SAT1_CF	blue	na
chrUn	20016567	20017252	686 SAT1_CF	blue	na
chrUn	20017270	20017940	671 SAT1_CF	blue	na
chrUn	20017983	20019966	1984 SAT1_CF	blue	na
chrUn	20020073	20020555	483 SAT1_CF	blue	na
chrUn	20020568	20020674	107 SAT1_CF	blue	na
chrUn	20020697	20022700	2004 SAT1_CF	blue	na
chrUn	20022712	20023392	681 SAT1_CF	blue	na
chrUn	20023435	20024806	1372 SAT1_CF	blue	na
chrUn	20024850	20025651	802 SAT1_CF	blue	na
chrUn	20025664	20026267	604 SAT1_CF	blue	na
chrUn	20026279	20027977	1699 SAT1_CF	blue	na
chrUn	20028056	20028707	652 SAT1_CF	blue	na
chrUn	20028719	20029038	320 SAT1_CF	blue	na
chrUn	20029072	20029579	508 SAT1_CF	blue	na
chrUn	20029599	20030243	645 SAT1_CF	blue	na
chrUn	20030288	20030918	631 SAT1_CF	blue	na
chrUn	20030946	20031507	562 SAT1_CF	blue	na
chrUn	20031587	20032095	509 SAT1_CF	blue	na
chrUn	20032123	20032256	134 SAT1_CF	blue	na

chrUn	20032314	20033511	1198	SAT1_CF	blue	na
chrUn	20033523	20034189	667	SAT1_CF	blue	na
chrUn	20034231	20035196	966	SAT1_CF	blue	na
chrUn	20035241	20036193	953	SAT1_CF	blue	na
chrUn	20036217	20036738	522	SAT1_CF	blue	na
chrUn	20036750	20036851	102	SAT1_CF	blue	na
chrUn	20036879	20037434	556	SAT1_CF	blue	na
chrUn	20037446	20037555	110	SAT1_CF	blue	na
chrUn	20037575	20041018	3444	SAT1_CF	blue	na
chrUn	20041061	20041560	500	SAT1_CF	blue	na
chrUn	20041572	20041682	111	SAT1_CF	blue	na
chrUn	20041702	20042227	526	SAT1_CF	blue	na
chrUn	20042284	20042830	547	SAT1_CF	blue	na
chrUn	20042843	20043013	171	SAT1_CF	blue	na
chrUn	20043054	20044900	1847	SAT1_CF	blue	na
chrUn	20044933	20045451	519	SAT1_CF	blue	na
chrUn	20045463	20046324	862	SAT1_CF	blue	na
chrUn	20046366	20047953	1588	SAT1_CF	blue	na
chrUn	20047965	20048793	829	SAT1_CF	blue	na
chrUn	20049037	20050434	1398	SAT1_CF	blue	na
chrUn	20050479	20051026	548	SAT1_CF	blue	na
chrUn	20051066	20051976	911	SAT1_CF	blue	na
chrUn	20052000	20053063	1064	SAT1_CF	blue	na
chrUn	20053094	20053419	326	SAT1_CF	blue	na
chrUn	20054471	20056227	1757	SAT1_CF	blue	na
chrUn	20056344	20056907	564	SAT1_CF	blue	na
chrUn	20056949	20057731	783	SAT1_CF	blue	na
chrUn	20057775	20058319	545	SAT1_CF	blue	na
chrUn	20058332	20058689	358	SAT1_CF	blue	na
chrUn	20058706	20059227	522	SAT1_CF	blue	na
chrUn	20059240	20059913	674	SAT1_CF	blue	na
chrUn	20059961	20061928	1968	SAT1_CF	blue	na
chrUn	20062045	20063873	1829	SAT1_CF	blue	na
chrUn	20063990	20064570	581	SAT1_CF	blue	na
chrUn	20064657	20065157	501	SAT1_CF	blue	na
chrUn	20065170	20065818	649	SAT1_CF	blue	na
chrUn	20065861	20066693	833	SAT1_CF	blue	na
chrUn	20066884	20067596	713	SAT1_CF	blue	na
chrUn	20067676	20068160	485	SAT1_CF	blue	na
chrUn	20068194	20068727	534	SAT1_CF	blue	na
chrUn	20068745	20070395	1651	SAT1_CF	blue	na
chrUn	20070407	20071773	1367	SAT1_CF	blue	na

chrUn	20071800	20073109	1310 SAT1_CF	blue	na
chrUn	20073149	20073651	503 SAT1_CF	blue	na
chrUn	20073678	20073859	182 SAT1_CF	blue	na
chrUn	20073875	20074420	546 SAT1_CF	blue	na
chrUn	20074462	20075006	545 SAT1_CF	blue	na
chrUn	20075022	20075170	149 SAT1_CF	blue	na
chrUn	20075195	20076620	1426 SAT1_CF	blue	na
chrUn	20076632	20077285	654 SAT1_CF	blue	na
chrUn	20077373	20077590	218 SAT1_CF	blue	na
chrUn	20077601	20078144	544 SAT1_CF	blue	na
chrUn	20078155	20078473	319 SAT1_CF	blue	na
chrUn	20078526	20079028	503 SAT1_CF	blue	na
chrUn	20079041	20079144	104 SAT1_CF	blue	na
chrUn	20079170	20079880	711 SAT1_CF	blue	na
chrUn	20079892	20081155	1264 SAT1_CF	blue	na
chrUn	20081205	20082133	929 SAT1_CF	blue	na
chrUn	20082175	20082842	668 SAT1_CF	blue	na
chrUn	20082908	20084092	1185 SAT1_CF	blue	na
chrUn	20084150	20084627	478 SAT1_CF	blue	na
chrUn	20084639	20084744	106 SAT1_CF	blue	na
chrUn	20084767	20085327	561 SAT1_CF	blue	na
chrUn	20085369	20086644	1276 SAT1_CF	blue	na
chrUn	20086682	20087544	863 SAT1_CF	blue	na
chrUn	20087555	20087910	356 SAT1_CF	blue	na
chrUn	20087997	20088498	502 SAT1_CF	blue	na
chrUn	20088525	20089268	744 SAT1_CF	blue	na
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chrUn	20092080	20092604	525 SAT1_CF	blue	na
chrUn	20092619	20092776	158 SAT1_CF	blue	na
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chrUn	20093336	20094665	1330 SAT1_CF	blue	na
chrUn	20094740	20095938	1199 SAT1_CF	blue	na
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chrUn	20096692	20097363	672 SAT1_CF	blue	na
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chrUn	20099716	20100118	403 SAT1_CF	blue	na
chrUn	20100178	20100653	476 SAT1_CF	blue	na
chrUn	20100673	20101434	762 SAT1_CF	blue	na
chrUn	20101446	20103232	1787 SAT1_CF	blue	na

chrUn	20103275	20103638	364 SAT1_CF	blue	na
chrUn	20103665	20104185	521 SAT1_CF	blue	na
chrUn	20104198	20104299	102 SAT1_CF	blue	na
chrUn	20104327	20104901	575 SAT1_CF	blue	na
chrUn	20104913	20106213	1301 SAT1_CF	blue	na
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chrUn	20110239	20111480	1242 SAT1_CF	blue	na
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chrUn	20112116	20112746	631 SAT1_CF	blue	na
chrUn	20112773	20113335	563 SAT1_CF	blue	na
chrUn	20113415	20114991	1577 SAT1_CF	blue	na
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chrUn	20117419	20117937	519 SAT1_CF	blue	na
chrUn	20117950	20118055	106 SAT1_CF	blue	na
chrUn	20118078	20119774	1697 SAT1_CF	blue	na
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chrUn	20120558	20121240	683 SAT1_CF	blue	na
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chrUn	20124285	20124424	140 SAT1_CF	blue	na
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chrUn	20124952	20126534	1583 SAT1_CF	blue	na
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chrUn	20129293	20129897	605 SAT1_CF	blue	na
chrUn	20129909	20130018	110 SAT1_CF	blue	na
chrUn	20130039	20130670	632 SAT1_CF	blue	na
chrUn	20130683	20131288	606 SAT1_CF	blue	na
chrUn	20131300	20131409	110 SAT1_CF	blue	na

chrUn	20131430	20132059	630 SAT1_CF	blue	na
chrUn	20132073	20133405	1333 SAT1_CF	blue	na
chrUn	20133449	20134416	968 SAT1_CF	blue	na
chrUn	20134427	20134827	401 SAT1_CF	blue	na
chrUn	20134867	20135369	503 SAT1_CF	blue	na
chrUn	20135382	20136057	676 SAT1_CF	blue	na
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chrUn	20137115	20138114	1000 SAT1_CF	blue	na
chrUn	20138149	20140756	2608 SAT1_CF	blue	na
chrUn	20140796	20141296	501 SAT1_CF	blue	na
chrUn	20141309	20142863	1555 SAT1_CF	blue	na
chrUn	20142906	20143529	624 SAT1_CF	blue	na
chrUn	20143616	20143714	99 SAT1_CF	blue	na
chrUn	20143762	20144278	517 SAT1_CF	blue	na
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chrUn	20145668	20146232	565 SAT1_CF	blue	na
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chrUn	20147691	20148319	629 SAT1_CF	blue	na
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chrUn	20152006	20152494	489 SAT1_CF	blue	na
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chrUn	20153389	20153903	515 SAT1_CF	blue	na
chrUn	20153916	20154008	93 SAT1_CF	blue	na
chrUn	20154019	20156650	2632 SAT1_CF	blue	na
chrUn	20156663	20158682	2020 SAT1_CF	blue	na
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chrUn	20159735	20160319	585 SAT1_CF	blue	na
chrUn	20160331	20161927	1597 SAT1_CF	blue	na
chrUn	20161950	20165513	3564 SAT1_CF	blue	na
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chrUn	20166062	20166178	117 SAT1_CF	blue	na
chrUn	20166192	20166717	526 SAT1_CF	blue	na
chrUn	20166774	20167320	547 SAT1_CF	blue	na
chrUn	20167333	20167978	646 SAT1_CF	blue	na
chrUn	20168022	20169191	1170 SAT1_CF	blue	na
chrUn	20169206	20169727	522 SAT1_CF	blue	na
chrUn	20169754	20170346	593 SAT1_CF	blue	na

chrUn	20170358	20170467	110 SAT1_CF	blue	na
chrUn	20170487	20171032	546 SAT1_CF	blue	na
chrUn	20171075	20172451	1377 SAT1_CF	blue	na
chrUn	20172462	20173266	805 SAT1_CF	blue	na
chrUn	20173289	20173835	547 SAT1_CF	blue	na
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chrUn	20179549	20180227	679 SAT1_CF	blue	na
chrUn	20180270	20181225	956 SAT1_CF	blue	na
chrUn	20181341	20182301	961 SAT1_CF	blue	na
chrUn	20182322	20182843	522 SAT1_CF	blue	na
chrUn	20182856	20182962	107 SAT1_CF	blue	na
chrUn	20182987	20185061	2075 SAT1_CF	blue	na
chrUn	20185131	20186331	1201 SAT1_CF	blue	na
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chrUn	20187591	20187726	136 SAT1_CF	blue	na
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chrUn	20188306	20188412	107 SAT1_CF	blue	na
chrUn	20188436	20189064	629 SAT1_CF	blue	na
chrUn	20189092	20189912	821 SAT1_CF	blue	na
chrUn	20189930	20190615	686 SAT1_CF	blue	na
chrUn	20190627	20191302	676 SAT1_CF	blue	na
chrUn	20191315	20192213	899 SAT1_CF	blue	na
chrUn	20192231	20193165	935 SAT1_CF	blue	na
chrUn	20193207	20193702	496 SAT1_CF	blue	na
chrUn	20193772	20194404	633 SAT1_CF	blue	na
chrUn	20194417	20195030	614 SAT1_CF	blue	na
chrUn	20195042	20196725	1684 SAT1_CF	blue	na
chrUn	20196804	20197517	714 SAT1_CF	blue	na
chrUn	20197564	20198083	520 SAT1_CF	blue	na
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chrUn	20198815	20200471	1657 SAT1_CF	blue	na
chrUn	20200484	20200803	320 SAT1_CF	blue	na
chrUn	20200878	20201357	480 SAT1_CF	blue	na
chrUn	20201384	20202170	787 SAT1_CF	blue	na
chrUn	20202193	20202739	547 SAT1_CF	blue	na
chrUn	20202781	20203037	257 SAT1_CF	blue	na
chrUn	20203145	20203766	622 SAT1_CF	blue	na
chrUn	20203792	20205545	1754 SAT1_CF	blue	na
chrUn	20205558	20205664	107 SAT1_CF	blue	na

chrUn	20205689	20207944	2256 SAT1_CF	blue	na
chrUn	20208026	20208533	508 SAT1_CF	blue	na
chrUn	20208546	20209227	682 SAT1_CF	blue	na
chrUn	20209239	20209921	683 SAT1_CF	blue	na
chrUn	20209932	20210422	491 SAT1_CF	blue	na
chrUn	20210436	20211656	1221 SAT1_CF	blue	na
chrUn	20211683	20212068	386 SAT1_CF	blue	na
chrUn	20212083	20212681	599 SAT1_CF	blue	na
chrUn	20214093	20214698	606 SAT1_CF	blue	na
chrUn	20214890	20215214	325 SAT1_CF	blue	na
chrUn	20215227	20215828	602 SAT1_CF	blue	na
chrUn	20215859	20216147	289 SAT1_CF	blue	na
chrUn	20216167	20216276	110 SAT1_CF	blue	na
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chrUn	20218307	20219271	965 SAT1_CF	blue	na
chrUn	20219314	20220553	1240 SAT1_CF	blue	na
chrUn	20220577	20220667	91 SAT1_CF	blue	na
chrUn	20220694	20221273	580 SAT1_CF	blue	na
chrUn	20221357	20222085	729 SAT1_CF	blue	na
chrUn	20222112	20222761	650 SAT1_CF	blue	na
chrUn	20222796	20223479	684 SAT1_CF	blue	na
chrUn	20223492	20223993	502 SAT1_CF	blue	na
chrUn	20224006	20224494	489 SAT1_CF	blue	na
chrUn	20224523	20225151	629 SAT1_CF	blue	na
chrUn	20225194	20225740	547 SAT1_CF	blue	na
chrUn	20225760	20225869	110 SAT1_CF	blue	na
chrUn	20225881	20226423	543 SAT1_CF	blue	na
chrUn	20226466	20227408	943 SAT1_CF	blue	na
chrUn	20227431	20228790	1360 SAT1_CF	blue	na
chrUn	20228803	20228974	172 SAT1_CF	blue	na
chrUn	20229016	20229798	783 SAT1_CF	blue	na
chrUn	20229876	20230865	990 SAT1_CF	blue	na
chrUn	20230913	20231410	498 SAT1_CF	blue	na
chrUn	20231428	20232093	666 SAT1_CF	blue	na
chrUn	20232119	20232579	461 SAT1_CF	blue	na
chrUn	20232656	20233161	506 SAT1_CF	blue	na
chrUn	20233182	20234381	1200 SAT1_CF	blue	na
chrUn	20234393	20235074	682 SAT1_CF	blue	na
chrUn	20235086	20235762	677 SAT1_CF	blue	na
chrUn	20235805	20236912	1108 SAT1_CF	blue	na

chrUn	20236955	20237531	577 SAT1_CF	blue	na
chrUn	20237543	20238696	1154 SAT1_CF	blue	na
chrUn	20238728	20238861	134 SAT1_CF	blue	na
chrUn	20238919	20239421	503 SAT1_CF	blue	na
chrUn	20239462	20240929	1468 SAT1_CF	blue	na
chrUn	20240972	20242081	1110 SAT1_CF	blue	na
chrUn	20242124	20243072	949 SAT1_CF	blue	na
chrUn	20243155	20243674	520 SAT1_CF	blue	na
chrUn	20243731	20244899	1169 SAT1_CF	blue	na
chrUn	20244996	20245726	731 SAT1_CF	blue	na
chrUn	20245806	20248051	2246 SAT1_CF	blue	na
chrUn	20248095	20248637	543 SAT1_CF	blue	na
chrUn	20248650	20249333	684 SAT1_CF	blue	na
chrUn	20249345	20250021	677 SAT1_CF	blue	na
chrUn	20250064	20251030	967 SAT1_CF	blue	na
chrUn	20251109	20251655	547 SAT1_CF	blue	na
chrUn	20251698	20252071	374 SAT1_CF	blue	na
chrUn	20252088	20253215	1128 SAT1_CF	blue	na
chrUn	20253242	20253998	757 SAT1_CF	blue	na
chrUn	20254010	20254119	110 SAT1_CF	blue	na
chrUn	20254140	20255877	1738 SAT1_CF	blue	na
chrUn	20255891	20256573	683 SAT1_CF	blue	na
chrUn	20256585	20257420	836 SAT1_CF	blue	na
chrUn	20257600	20257785	186 SAT1_CF	blue	na
chrUn	20257821	20258323	503 SAT1_CF	blue	na
chrUn	20258336	20259019	684 SAT1_CF	blue	na
chrUn	20259043	20260781	1739 SAT1_CF	blue	na
chrUn	20260860	20261024	165 SAT1_CF	blue	na
chrUn	20261205	20261390	186 SAT1_CF	blue	na
chrUn	20261426	20261925	500 SAT1_CF	blue	na
chrUn	20261938	20262551	614 SAT1_CF	blue	na
chrUn	20262563	20263237	675 SAT1_CF	blue	na
chrUn	20263280	20264392	1113 SAT1_CF	blue	na
chrUn	20264435	20265020	586 SAT1_CF	blue	na
chrUn	20265032	20265745	714 SAT1_CF	blue	na
chrUn	20265769	20265932	164 SAT1_CF	blue	na
chrUn	20265973	20266514	542 SAT1_CF	blue	na
chrUn	20266526	20266635	110 SAT1_CF	blue	na
chrUn	20266654	20267856	1203 SAT1_CF	blue	na
chrUn	20267900	20268181	282 SAT1_CF	blue	na
chrUn	20268250	20268795	546 SAT1_CF	blue	na
chrUn	20268807	20269260	454 SAT1_CF	blue	na

chrUn	20269336	20270386	1051 SAT1_CF	blue	na
chrUn	20270397	20270920	524 SAT1_CF	blue	na
chrUn	20270940	20271550	611 SAT1_CF	blue	na
chrUn	20271593	20271966	374 SAT1_CF	blue	na
chrUn	20271983	20272504	522 SAT1_CF	blue	na
chrUn	20272522	20272616	95 SAT1_CF	blue	na
chrUn	20272646	20273201	556 SAT1_CF	blue	na
chrUn	20273213	20273877	665 SAT1_CF	blue	na
chrUn	20273924	20274041	118 SAT1_CF	blue	na
chrUn	20274083	20275696	1614 SAT1_CF	blue	na
chrUn	20275762	20276263	502 SAT1_CF	blue	na
chrUn	20276275	20276383	109 SAT1_CF	blue	na
chrUn	20276406	20276713	308 SAT1_CF	blue	na
chrUn	20301126	20302110	985 SAT1_CF	blue	na
chrUn	20302122	20303530	1409 SAT1_CF	blue	na
chrUn	20303552	20304217	666 SAT1_CF	blue	na
chrUn	20304261	20305810	1550 SAT1_CF	blue	na
chrUn	20305824	20305931	108 SAT1_CF	blue	na
chrUn	20305953	20307257	1305 SAT1_CF	blue	na
chrUn	20307287	20308149	863 SAT1_CF	blue	na
chrUn	20308182	20309120	939 SAT1_CF	blue	na
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chrUn	20309669	20311358	1690 SAT1_CF	blue	na
chrUn	20311370	20314913	3544 SAT1_CF	blue	na
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chrUn	20316586	20317367	782 SAT1_CF	blue	na
chrUn	20317399	20318395	997 SAT1_CF	blue	na
chrUn	20318484	20318984	501 SAT1_CF	blue	na
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chrUn	20319611	20321068	1458 SAT1_CF	blue	na
chrUn	20321100	20322096	997 SAT1_CF	blue	na
chrUn	20322116	20322218	103 SAT1_CF	blue	na
chrUn	20322243	20323431	1189 SAT1_CF	blue	na
chrUn	20323502	20324063	562 SAT1_CF	blue	na
chrUn	20324075	20325554	1480 SAT1_CF	blue	na
chrUn	20325596	20326783	1188 SAT1_CF	blue	na
chrUn	20326901	20327419	519 SAT1_CF	blue	na
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chrUn	20328065	20329885	1821 SAT1_CF	blue	na
chrUn	20329925	20330427	503 SAT1_CF	blue	na
chrUn	20330444	20331201	758 SAT1_CF	blue	na
chrUn	20331214	20331827	614 SAT1_CF	blue	na

chrUn	20331839	20332697	859 SAT1_CF	blue	na
chrUn	20332774	20333540	767 SAT1_CF	blue	na
chrUn	20333565	20334107	543 SAT1_CF	blue	na
chrUn	20334129	20334802	674 SAT1_CF	blue	na
chrUn	20334814	20335489	676 SAT1_CF	blue	na
chrUn	20335532	20336497	966 SAT1_CF	blue	na
chrUn	20336576	20337122	547 SAT1_CF	blue	na
chrUn	20337165	20337706	542 SAT1_CF	blue	na
chrUn	20338488	20339152	665 SAT1_CF	blue	na
chrUn	20339164	20339825	662 SAT1_CF	blue	na
chrUn	20339873	20340361	489 SAT1_CF	blue	na
chrUn	20340592	20341050	459 SAT1_CF	blue	na
chrUn	20341092	20341881	790 SAT1_CF	blue	na
chrUn	20341925	20342771	847 SAT1_CF	blue	na
chrUn	20342924	20343453	530 SAT1_CF	blue	na
chrUn	20343495	20344195	701 SAT1_CF	blue	na
chrUn	20344209	20345785	1577 SAT1_CF	blue	na
chrUn	20345798	20346900	1103 SAT1_CF	blue	na
chrUn	20346968	20347949	982 SAT1_CF	blue	na
chrUn	20347997	20349612	1616 SAT1_CF	blue	na
chrUn	20349642	20350149	508 SAT1_CF	blue	na
chrUn	20350164	20350977	814 SAT1_CF	blue	na
chrUn	20351029	20351730	702 SAT1_CF	blue	na
chrUn	20351742	20351848	107 SAT1_CF	blue	na
chrUn	20351871	20352497	627 SAT1_CF	blue	na
chrUn	20352533	20353379	847 SAT1_CF	blue	na
chrUn	20353397	20354083	687 SAT1_CF	blue	na
chrUn	20354095	20354204	110 SAT1_CF	blue	na
chrUn	20354225	20355162	938 SAT1_CF	blue	na
chrUn	20355305	20355773	469 SAT1_CF	blue	na
chrUn	20355817	20356510	694 SAT1_CF	blue	na
chrUn	20356553	20357146	594 SAT1_CF	blue	na
chrUn	20357355	20357687	333 SAT1_CF	blue	na
chrUn	20357700	20360369	2670 SAT1_CF	blue	na
chrUn	20360456	20361653	1198 SAT1_CF	blue	na
chrUn	20361665	20362552	888 SAT1_CF	blue	na
chrUn	20362565	20363247	683 SAT1_CF	blue	na
chrUn	20364278	20364538	261 SAT1_CF	blue	na
chrUn	20364557	20365081	525 SAT1_CF	blue	na
chrUn	20365138	20365684	547 SAT1_CF	blue	na
chrUn	20365727	20366256	530 SAT1_CF	blue	na
chrUn	20366274	20367766	1493 SAT1_CF	blue	na

chrUn	20367787	20368435	649 SAT1_CF	blue	na
chrUn	20368446	20368993	548 SAT1_CF	blue	na
chrUn	20369063	20371397	2335 SAT1_CF	blue	na
chrUn	20371477	20372001	525 SAT1_CF	blue	na
chrUn	20372016	20372172	157 SAT1_CF	blue	na
chrUn	20372198	20372807	610 SAT1_CF	blue	na
chrUn	20372826	20373379	554 SAT1_CF	blue	na
chrUn	20373422	20374385	964 SAT1_CF	blue	na
chrUn	20374412	20376726	2315 SAT1_CF	blue	na
chrUn	20376739	20377287	549 SAT1_CF	blue	na
chrUn	20377307	20378482	1176 SAT1_CF	blue	na
chrUn	20378509	20380080	1572 SAT1_CF	blue	na
chrUn	20380093	20380595	503 SAT1_CF	blue	na
chrUn	20380622	20380712	91 SAT1_CF	blue	na
chrUn	20380736	20382408	1673 SAT1_CF	blue	na
chrUn	20382487	20383024	538 SAT1_CF	blue	na
chrUn	20383041	20383439	399 SAT1_CF	blue	na
chrUn	20383482	20384433	952 SAT1_CF	blue	na
chrUn	20384456	20384554	99 SAT1_CF	blue	na
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chrUn	20386316	20387195	880 SAT1_CF	blue	na
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chrUn	20390309	20390830	522 SAT1_CF	blue	na
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chrUn	20392042	20392407	366 SAT1_CF	blue	na
chrUn	20393787	20394369	583 SAT1_CF	blue	na
chrUn	20394409	20395528	1120 SAT1_CF	blue	na
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chrUn	20397280	20397415	136 SAT1_CF	blue	na
chrUn	20397427	20397967	541 SAT1_CF	blue	na
chrUn	20397979	20398296	318 SAT1_CF	blue	na
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chrUn	20398956	20399473	518 SAT1_CF	blue	na
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chrUn	20401792	20403160	1369 SAT1_CF	blue	na

chrUn	20403206	20404163	958 SAT1_CF	blue	na
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chrUn	20405222	20406732	1511 SAT1_CF	blue	na
chrUn	20406775	20407338	564 SAT1_CF	blue	na
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chrUn	20408362	20408992	631 SAT1_CF	blue	na
chrUn	20409004	20410163	1160 SAT1_CF	blue	na
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chrUn	20426996	20428028	1033 SAT1_CF	blue	na
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chrUn	20438804	20439297	494 SAT1_CF	blue	na
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chrUn	20439549	20441335	1787 SAT1_CF	blue	na
chrUn	20441388	20441890	503 SAT1_CF	blue	na
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chrUn	20442674	20443348	675 SAT1_CF	blue	na
chrUn	20443391	20443926	536 SAT1_CF	blue	na
chrUn	20443940	20445014	1075 SAT1_CF	blue	na
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chrUn	20446067	20448040	1974 SAT1_CF	blue	na
chrUn	20448081	20448475	395 SAT1_CF	blue	na
chrUn	20448515	20449016	502 SAT1_CF	blue	na
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chrUn	20450593	20451668	1076 SAT1_CF	blue	na
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chrUn	20453617	20454290	674 SAT1_CF	blue	na
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chrUn	20455677	20456178	502 SAT1_CF	blue	na
chrUn	20456196	20457696	1501 SAT1_CF	blue	na
chrUn	20457812	20458688	877 SAT1_CF	blue	na
chrUn	20458756	20459276	521 SAT1_CF	blue	na
chrUn	20459288	20459892	605 SAT1_CF	blue	na
chrUn	20459904	20460662	759 SAT1_CF	blue	na
chrUn	20460676	20461353	678 SAT1_CF	blue	na
chrUn	20461396	20462343	948 SAT1_CF	blue	na
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chrUn	20464103	20465421	1319 SAT1_CF	blue	na
chrUn	20465464	20466434	971 SAT1_CF	blue	na
chrUn	20466632	20467309	678 SAT1_CF	blue	na
chrUn	20467352	20467718	367 SAT1_CF	blue	na
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chrUn	20469912	20470795	884 SAT1_CF	blue	na
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chrUn	20474035	20474509	475	SAT1_CF	blue	na
chrUn	20474536	20475679	1144	SAT1_CF	blue	na
chrUn	20475707	20475864	158	SAT1_CF	blue	na
chrUn	20475890	20476859	970	SAT1_CF	blue	na
chrUn	20476871	20477545	675	SAT1_CF	blue	na
chrUn	20477592	20478544	953	SAT1_CF	blue	na
chrUn	20478623	20479585	963	SAT1_CF	blue	na
chrUn	20479623	20480994	1372	SAT1_CF	blue	na
chrUn	20481007	20481856	850	SAT1_CF	blue	na
chrUn	20481906	20483568	1663	SAT1_CF	blue	na
chrUn	20483580	20484251	672	SAT1_CF	blue	na
chrUn	20484323	20484866	544	SAT1_CF	blue	na
chrUn	20484936	20485411	476	SAT1_CF	blue	na
chrUn	20485423	20486089	667	SAT1_CF	blue	na
chrUn	20486132	20486850	719	SAT1_CF	blue	na
chrUn	20486889	20487452	564	SAT1_CF	blue	na
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chrUn	20490236	20490756	521	SAT1_CF	blue	na
chrUn	20490798	20491110	313	SAT1_CF	blue	na
chrUn	20491152	20491797	646	SAT1_CF	blue	na
chrUn	20491851	20492441	591	SAT1_CF	blue	na
chrUn	20496332	20498301	1970	SAT1_CF	blue	na
chrUn	20498316	20498452	137	SAT1_CF	blue	na
chrUn	20498499	20499020	522	SAT1_CF	blue	na
chrUn	20499042	20501424	2383	SAT1_CF	blue	na
chrUn	20501435	20501927	493	SAT1_CF	blue	na
chrUn	20501941	20503310	1370	SAT1_CF	blue	na
chrUn	20503375	20503937	563	SAT1_CF	blue	na
chrUn	20503980	20504534	555	SAT1_CF	blue	na
chrUn	20504545	20505845	1301	SAT1_CF	blue	na
chrUn	20505888	20506421	534	SAT1_CF	blue	na
chrUn	20506435	20506850	416	SAT1_CF	blue	na
chrUn	20506929	20507888	960	SAT1_CF	blue	na
chrUn	20507928	20508430	503	SAT1_CF	blue	na
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chrUn	20509943	20510482	540	SAT1_CF	blue	na
chrUn	20510532	20511076	545	SAT1_CF	blue	na
chrUn	20511114	20511971	858	SAT1_CF	blue	na
chrUn	20512009	20512340	332	SAT1_CF	blue	na

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chrUn	20516967	20517491	525 SAT1_CF	blue	na
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chrUn	20520763	20521264	502 SAT1_CF	blue	na
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chrUn	20523575	20524365	791 SAT1_CF	blue	na
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chrUn	20524961	20525633	673 SAT1_CF	blue	na
chrUn	20525680	20526312	633 SAT1_CF	blue	na
chrUn	20526340	20526904	565 SAT1_CF	blue	na
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chrUn	20530771	20531319	549 SAT1_CF	blue	na
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chrUn	20533672	20534070	399 SAT1_CF	blue	na
chrUn	20534091	20534611	521 SAT1_CF	blue	na
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chrUn	20537949	20538769	821 SAT1_CF	blue	na
chrUn	20538792	20539037	246 SAT1_CF	blue	na
chrUn	20539056	20539577	522 SAT1_CF	blue	na
chrUn	20539595	20541686	2092 SAT1_CF	blue	na
chrUn	20541729	20542359	631 SAT1_CF	blue	na
chrUn	20542389	20542947	559 SAT1_CF	blue	na
chrUn	20543036	20543527	492 SAT1_CF	blue	na
chrUn	20543549	20544230	682 SAT1_CF	blue	na
chrUn	20544242	20546411	2170 SAT1_CF	blue	na

chrUn	20546451	20547648	1198	SAT1_CF	blue	na
chrUn	20547660	20548383	724	SAT1_CF	blue	na
chrUn	20548394	20548886	493	SAT1_CF	blue	na
chrUn	20548900	20550531	1632	SAT1_CF	blue	na
chrUn	20550545	20551109	565	SAT1_CF	blue	na
chrUn	20624420	20624562	143	SAT1_CF	blue	na
chrUn	20624622	20625122	501	SAT1_CF	blue	na
chrUn	20625140	20630036	4897	SAT1_CF	blue	na
chrUn	20630048	20630651	604	SAT1_CF	blue	na
chrUn	20630678	20631266	589	SAT1_CF	blue	na
chrUn	20631293	20631964	672	SAT1_CF	blue	na
chrUn	20632009	20633443	1435	SAT1_CF	blue	na
chrUn	20633496	20633997	502	SAT1_CF	blue	na
chrUn	20634009	20634122	114	SAT1_CF	blue	na
chrUn	20634138	20634684	547	SAT1_CF	blue	na
chrUn	20634727	20635261	535	SAT1_CF	blue	na
chrUn	20635281	20636765	1485	SAT1_CF	blue	na
chrUn	20636786	20637306	521	SAT1_CF	blue	na
chrUn	20637319	20638000	682	SAT1_CF	blue	na
chrUn	20638013	20638675	663	SAT1_CF	blue	na
chrUn	20638718	20639348	631	SAT1_CF	blue	na
chrUn	20639413	20639972	560	SAT1_CF	blue	na
chrUn	20640078	20640560	483	SAT1_CF	blue	na
chrUn	20640587	20641251	665	SAT1_CF	blue	na
chrUn	20641273	20641946	674	SAT1_CF	blue	na
chrUn	20641958	20642842	885	SAT1_CF	blue	na
chrUn	20642864	20643714	851	SAT1_CF	blue	na
chrUn	20643727	20644411	685	SAT1_CF	blue	na
chrUn	20644516	20645061	546	SAT1_CF	blue	na
chrUn	20645104	20646064	961	SAT1_CF	blue	na
chrUn	20646131	20646652	522	SAT1_CF	blue	na
chrUn	20646665	20647069	405	SAT1_CF	blue	na
chrUn	20647139	20648189	1051	SAT1_CF	blue	na
chrUn	20648211	20648310	100	SAT1_CF	blue	na
chrUn	20648331	20649061	731	SAT1_CF	blue	na
chrUn	20649113	20649638	526	SAT1_CF	blue	na
chrUn	20649676	20650948	1273	SAT1_CF	blue	na
chrUn	20650988	20652177	1190	SAT1_CF	blue	na
chrUn	20652220	20652852	633	SAT1_CF	blue	na
chrUn	20652880	20653439	560	SAT1_CF	blue	na
chrUn	20653519	20654068	550	SAT1_CF	blue	na
chrUn	20654096	20654255	160	SAT1_CF	blue	na

chrUn	20654280	20654800	521 SAT1_CF	blue	na
chrUn	20654826	20655488	663 SAT1_CF	blue	na
chrUn	20655501	20655629	129 SAT1_CF	blue	na
chrUn	20655642	20656258	617 SAT1_CF	blue	na
chrUn	20656344	20656679	336 SAT1_CF	blue	na
chrUn	20656760	20657284	525 SAT1_CF	blue	na
chrUn	20657299	20658627	1329 SAT1_CF	blue	na
chrUn	20658641	20659262	622 SAT1_CF	blue	na
chrUn	20659274	20659948	675 SAT1_CF	blue	na
chrUn	20659991	20660529	539 SAT1_CF	blue	na
chrUn	20660543	20661617	1075 SAT1_CF	blue	na
chrUn	20661648	20662494	847 SAT1_CF	blue	na
chrUn	20662506	20663179	674 SAT1_CF	blue	na
chrUn	20663223	20664848	1626 SAT1_CF	blue	na
chrUn	20664862	20665693	832 SAT1_CF	blue	na
chrUn	20665706	20665813	108 SAT1_CF	blue	na
chrUn	20665835	20666409	575 SAT1_CF	blue	na
chrUn	20666421	20667097	677 SAT1_CF	blue	na
chrUn	20667118	20668158	1041 SAT1_CF	blue	na
chrUn	20668176	20668861	686 SAT1_CF	blue	na
chrUn	20668873	20671578	2706 SAT1_CF	blue	na
chrUn	20671721	20672213	493 SAT1_CF	blue	na
chrUn	20672270	20674502	2233 SAT1_CF	blue	na
chrUn	20674517	20674674	158 SAT1_CF	blue	na
chrUn	20674719	20675211	493 SAT1_CF	blue	na
chrUn	20675235	20675991	757 SAT1_CF	blue	na
chrUn	20676003	20677337	1335 SAT1_CF	blue	na
chrUn	20677382	20677687	306 SAT1_CF	blue	na
chrUn	20677767	20678367	601 SAT1_CF	blue	na
chrUn	20678793	20678927	135 SAT1_CF	blue	na
chrUn	20678993	20680180	1188 SAT1_CF	blue	na
chrUn	20680223	20680854	632 SAT1_CF	blue	na
chrUn	20680919	20681477	559 SAT1_CF	blue	na
chrUn	20681525	20682069	545 SAT1_CF	blue	na
chrUn	20682097	20682233	137 SAT1_CF	blue	na
chrUn	20682299	20682797	499 SAT1_CF	blue	na
chrUn	20682820	20683493	674 SAT1_CF	blue	na
chrUn	20683505	20684265	761 SAT1_CF	blue	na
chrUn	20684277	20684949	673 SAT1_CF	blue	na
chrUn	20685019	20685495	477 SAT1_CF	blue	na
chrUn	20685507	20686172	666 SAT1_CF	blue	na
chrUn	20686215	20686742	528 SAT1_CF	blue	na

chrUn	20686763	20687845	1083	SAT1_CF	blue	na
chrUn	20687888	20688230	343	SAT1_CF	blue	na
chrUn	20688314	20688796	483	SAT1_CF	blue	na
chrUn	20688809	20689557	749	SAT1_CF	blue	na
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chrUn	20690252	20690782	531	SAT1_CF	blue	na
chrUn	20690796	20691293	498	SAT1_CF	blue	na
chrUn	20691380	20693937	2558	SAT1_CF	blue	na
chrUn	20693981	20694509	529	SAT1_CF	blue	na
chrUn	20694566	20695656	1091	SAT1_CF	blue	na
chrUn	20695671	20696358	688	SAT1_CF	blue	na
chrUn	20696402	20696946	545	SAT1_CF	blue	na
chrUn	20696973	20697477	505	SAT1_CF	blue	na
chrUn	20697521	20698481	961	SAT1_CF	blue	na
chrUn	20698541	20699471	931	SAT1_CF	blue	na
chrUn	20699483	20700814	1332	SAT1_CF	blue	na
chrUn	20700970	20701505	536	SAT1_CF	blue	na
chrUn	20701527	20702034	508	SAT1_CF	blue	na
chrUn	20702046	20702833	788	SAT1_CF	blue	na
chrUn	20702856	20703363	508	SAT1_CF	blue	na
chrUn	20703376	20704211	836	SAT1_CF	blue	na
chrUn	20704224	20704927	704	SAT1_CF	blue	na
chrUn	20704939	20707067	2129	SAT1_CF	blue	na
chrUn	20707111	20707453	343	SAT1_CF	blue	na
chrUn	20707482	20708378	897	SAT1_CF	blue	na
chrUn	20708418	20708919	502	SAT1_CF	blue	na
chrUn	20708932	20709040	109	SAT1_CF	blue	na
chrUn	20709061	20709616	556	SAT1_CF	blue	na
chrUn	20709628	20710224	597	SAT1_CF	blue	na
chrUn	20710244	20712352	2109	SAT1_CF	blue	na
chrUn	20712395	20713738	1344	SAT1_CF	blue	na
chrUn	20713778	20714279	502	SAT1_CF	blue	na
chrUn	20714293	20714416	124	SAT1_CF	blue	na
chrUn	20714431	20715054	624	SAT1_CF	blue	na
chrUn	20715066	20715902	837	SAT1_CF	blue	na
chrUn	20716079	20716264	186	SAT1_CF	blue	na
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chrUn	20717513	20718445	933	SAT1_CF	blue	na
chrUn	20718524	20719269	746	SAT1_CF	blue	na
chrUn	20719321	20719959	639	SAT1_CF	blue	na
chrUn	20719988	20720614	627	SAT1_CF	blue	na
chrUn	20720649	20721497	849	SAT1_CF	blue	na

chrUn	20721510	20722193	684 SAT1_CF	blue	na
chrUn	20722205	20724710	2506 SAT1_CF	blue	na
chrUn	20724725	20724882	158 SAT1_CF	blue	na
chrUn	20724927	20725196	270 SAT1_CF	blue	na
chrUn	20725384	20725636	253 SAT1_CF	blue	na
chrUn	20725649	20727019	1371 SAT1_CF	blue	na
chrUn	20727062	20727402	341 SAT1_CF	blue	na
chrUn	20728824	20729341	518 SAT1_CF	blue	na
chrUn	20729428	20729922	495 SAT1_CF	blue	na
chrUn	20729942	20730547	606 SAT1_CF	blue	na
chrUn	20730559	20731234	676 SAT1_CF	blue	na
chrUn	20731276	20733331	2056 SAT1_CF	blue	na
chrUn	20733391	20733961	571 SAT1_CF	blue	na
chrUn	20733980	20734532	553 SAT1_CF	blue	na
chrUn	20734567	20735133	567 SAT1_CF	blue	na
chrUn	20735171	20735665	495 SAT1_CF	blue	na
chrUn	20735690	20736367	678 SAT1_CF	blue	na
chrUn	20736379	20737269	891 SAT1_CF	blue	na
chrUn	20737283	20738651	1369 SAT1_CF	blue	na
chrUn	20738697	20739654	958 SAT1_CF	blue	na
chrUn	20739733	20740281	549 SAT1_CF	blue	na
chrUn	20740294	20742249	1956 SAT1_CF	blue	na
chrUn	20742293	20742840	548 SAT1_CF	blue	na
chrUn	20742882	20743084	203 SAT1_CF	blue	na
chrUn	20743265	20743445	181 SAT1_CF	blue	na
chrUn	20743506	20743978	473 SAT1_CF	blue	na
chrUn	20743991	20744099	109 SAT1_CF	blue	na
chrUn	20744120	20745104	985 SAT1_CF	blue	na
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chrUn	20745710	20746650	941 SAT1_CF	blue	na
chrUn	20746671	20747189	519 SAT1_CF	blue	na
chrUn	20747200	20747602	403 SAT1_CF	blue	na
chrUn	20747642	20748732	1091 SAT1_CF	blue	na
chrUn	20748750	20750074	1325 SAT1_CF	blue	na
chrUn	20750117	20750423	307 SAT1_CF	blue	na
chrUn	20750501	20751008	508 SAT1_CF	blue	na
chrUn	20751022	20751672	651 SAT1_CF	blue	na
chrUn	20751684	20752368	685 SAT1_CF	blue	na
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chrUn	20753010	20753683	674 SAT1_CF	blue	na
chrUn	20753727	20754767	1041 SAT1_CF	blue	na
chrUn	20754846	20755760	915 SAT1_CF	blue	na

chrUn	20755847	20756348	502 SAT1_CF	blue	na
chrUn	20756361	20758461	2101 SAT1_CF	blue	na
chrUn	20758504	20759015	512 SAT1_CF	blue	na
chrUn	20759046	20759178	133 SAT1_CF	blue	na
chrUn	20759225	20760786	1562 SAT1_CF	blue	na
chrUn	20760835	20761429	595 SAT1_CF	blue	na
chrUn	20762825	20763398	574 SAT1_CF	blue	na
chrUn	20763438	20763932	495 SAT1_CF	blue	na
chrUn	20763952	20764631	680 SAT1_CF	blue	na
chrUn	20764654	20765320	667 SAT1_CF	blue	na
chrUn	20765363	20765900	538 SAT1_CF	blue	na
chrUn	20765911	20766987	1077 SAT1_CF	blue	na
chrUn	20767070	20768505	1436 SAT1_CF	blue	na
chrUn	20768547	20768712	166 SAT1_CF	blue	na
chrUn	20768894	20769079	186 SAT1_CF	blue	na
chrUn	20769096	20769614	519 SAT1_CF	blue	na
chrUn	20769627	20769733	107 SAT1_CF	blue	na
chrUn	20769755	20770314	560 SAT1_CF	blue	na
chrUn	20770326	20772073	1748 SAT1_CF	blue	na
chrUn	20772115	20773829	1715 SAT1_CF	blue	na
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chrUn	20774536	20775218	683 SAT1_CF	blue	na
chrUn	20775230	20776562	1333 SAT1_CF	blue	na
chrUn	20776606	20777268	663 SAT1_CF	blue	na
chrUn	20777286	20777798	513 SAT1_CF	blue	na
chrUn	20777826	20778531	706 SAT1_CF	blue	na
chrUn	20778544	20778655	112 SAT1_CF	blue	na
chrUn	20778672	20779913	1242 SAT1_CF	blue	na
chrUn	20779956	20780437	482 SAT1_CF	blue	na
chrUn	20798064	20799229	1166 SAT1_CF	blue	na
chrUn	20799241	20799925	685 SAT1_CF	blue	na
chrUn	20799938	20800440	503 SAT1_CF	blue	na
chrUn	20800527	20802049	1523 SAT1_CF	blue	na
chrUn	20802063	20802607	545 SAT1_CF	blue	na
chrUn	20802651	20802696	46 SAT1_CF	blue	na
chrUn	20802696	20803943	1248 CarSat1	red	na
chrUn	20803964	20804436	473 CarSat1	red	na
chrUn	20804609	20804678	70 CarSat1	red	na
chrUn	20804695	20805003	309 CarSat1	red	na
chrUn	20805152	20805832	681 CarSat1	red	na
chrUn	20806848	20807258	411 CarSat1	red	na
chrUn	20808892	20809093	202 Sat2CF	purple	na

chrUn	20808969	20810050	1082 Sat2CF	purple	na
chrUn	20808978	20809903	926 Sat2CF	purple	na
chrUn	20834178	20834327	150 Sat2CF	purple	na
chrUn	20834198	20835410	1213 Sat2CF	purple	na
chrUn	20884555	20884679	125 Sat2CF	purple	na
chrUn	20884571	20885369	799 Sat2CF	purple	na
chrUn	20904666	20905738	1073 Sat2CF	purple	na
chrUn	20929010	20930184	1175 Sat2CF	purple	na
chrUn	20958025	20959063	1039 Sat2CF	purple	na
chrUn	20958132	20959265	1134 Sat2CF	purple	na
chrUn	20981022	20982230	1209 Sat2CF	purple	na
chrUn	20996320	20997404	1085 Sat2CF	purple	na
chrUn	21129703	21130407	705 CarSat1	red	na
chrUn	21130564	21132011	1448 CarSat1	red	na
chrUn	21132032	21133547	1516 CarSat1	red	na
chrUn	21133565	21135101	1537 CarSat1	red	na
chrUn	21135122	21136713	1592 CarSat1	red	na
chrUn	21136867	21137977	1111 CarSat1	red	na
chrUn	21137980	21139057	1078 SAT1_CF	blue	na
chrUn	21139100	21139645	546 SAT1_CF	blue	na
chrUn	21139676	21139719	44 SAT1_CF	blue	na
chrUn	21139739	21139839	101 SAT1_CF	blue	na
chrUn	21143394	21144401	1008 Sat2CF	purple	na
chrUn	21144629	21145233	605 SAT1_CF	blue	na
chrUn	21145244	21145505	262 SAT1_CF	blue	na
chrUn	21145498	21146230	733 CarSat1	red	na
chrUn	21147930	21148595	666 SAT1_CF	blue	na
chrUn	21148608	21148927	320 SAT1_CF	blue	na
chrUn	21148980	21149481	502 SAT1_CF	blue	na
chrUn	21149493	21150979	1487 SAT1_CF	blue	na
chrUn	21150990	21151392	403 SAT1_CF	blue	na
chrUn	21151432	21152544	1113 SAT1_CF	blue	na
chrUn	21152587	21153731	1145 SAT1_CF	blue	na
chrUn	21153743	21154418	676 SAT1_CF	blue	na
chrUn	21154460	21156168	1709 SAT1_CF	blue	na
chrUn	21156195	21156783	589 SAT1_CF	blue	na
chrUn	21156810	21157483	674 SAT1_CF	blue	na
chrUn	21157497	21158125	629 SAT1_CF	blue	na
chrUn	21158137	21159880	1744 SAT1_CF	blue	na
chrUn	21159920	21160422	503 SAT1_CF	blue	na
chrUn	21160434	21161111	678 SAT1_CF	blue	na
chrUn	21161154	21162153	1000 SAT1_CF	blue	na

chrUn	21162197	21163123	927 SAT1_CF	blue	na
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chrUn	21163710	21164391	682 SAT1_CF	blue	na
chrUn	21164403	21165073	671 SAT1_CF	blue	na
chrUn	21165143	21165619	477 SAT1_CF	blue	na
chrUn	21165631	21165740	110 SAT1_CF	blue	na
chrUn	21165752	21166296	545 SAT1_CF	blue	na
chrUn	21166339	21166970	632 SAT1_CF	blue	na
chrUn	21166998	21167562	565 SAT1_CF	blue	na
chrUn	21167605	21168129	525 SAT1_CF	blue	na
chrUn	21168140	21168300	161 SAT1_CF	blue	na
chrUn	21168345	21168844	500 SAT1_CF	blue	na
chrUn	21168858	21169541	684 SAT1_CF	blue	na
chrUn	21169553	21170404	852 SAT1_CF	blue	na
chrUn	21170443	21171367	925 SAT1_CF	blue	na
chrUn	21171402	21171904	503 SAT1_CF	blue	na
chrUn	21171917	21172023	107 SAT1_CF	blue	na
chrUn	21172045	21172602	558 SAT1_CF	blue	na
chrUn	21172614	21173289	676 SAT1_CF	blue	na
chrUn	21173333	21173964	632 SAT1_CF	blue	na
chrUn	21173991	21175032	1042 SAT1_CF	blue	na
chrUn	21175045	21175843	799 SAT1_CF	blue	na
chrUn	21175869	21176412	544 SAT1_CF	blue	na
chrUn	21176455	21178084	1630 SAT1_CF	blue	na
chrUn	21178127	21178494	368 SAT1_CF	blue	na
chrUn	21178554	21179036	483 SAT1_CF	blue	na
chrUn	21179049	21179380	332 SAT1_CF	blue	na
chrUn	21179397	21179950	554 SAT1_CF	blue	na
chrUn	21179962	21181422	1461 SAT1_CF	blue	na
chrUn	21181453	21181957	505 SAT1_CF	blue	na
chrUn	21181990	21182147	158 SAT1_CF	blue	na
chrUn	21182192	21182693	502 SAT1_CF	blue	na
chrUn	21182705	21183382	678 SAT1_CF	blue	na
chrUn	21183425	21185275	1851 SAT1_CF	blue	na
chrUn	21185302	21185438	137 SAT1_CF	blue	na
chrUn	21185485	21186004	520 SAT1_CF	blue	na
chrUn	21186016	21187350	1335 SAT1_CF	blue	na
chrUn	21187375	21188328	954 SAT1_CF	blue	na
chrUn	21188359	21189205	847 SAT1_CF	blue	na
chrUn	21189217	21189891	675 SAT1_CF	blue	na
chrUn	21189934	21190485	552 SAT1_CF	blue	na
chrUn	21190566	21191772	1207 SAT1_CF	blue	na

chrUn	21191787	21192492	706 SAT1_CF	blue	na
chrUn	21192505	21192612	108 SAT1_CF	blue	na
chrUn	21192634	21193876	1243 SAT1_CF	blue	na
chrUn	21193920	21194548	629 SAT1_CF	blue	na
chrUn	21194576	21195138	563 SAT1_CF	blue	na
chrUn	21195181	21195703	523 SAT1_CF	blue	na
chrUn	21195718	21195875	158 SAT1_CF	blue	na
chrUn	21195920	21196188	269 SAT1_CF	blue	na
chrUn	21196376	21196627	252 SAT1_CF	blue	na
chrUn	21196640	21198009	1370 SAT1_CF	blue	na
chrUn	21198051	21198437	387 SAT1_CF	blue	na
chrUn	21198452	21200008	1557 SAT1_CF	blue	na
chrUn	21200020	21201396	1377 SAT1_CF	blue	na
chrUn	21201409	21202650	1242 SAT1_CF	blue	na
chrUn	21202665	21203284	620 SAT1_CF	blue	na
chrUn	21203308	21204359	1052 SAT1_CF	blue	na
chrUn	21204399	21204901	503 SAT1_CF	blue	na
chrUn	21204928	21205018	91 SAT1_CF	blue	na
chrUn	21205042	21205634	593 SAT1_CF	blue	na
chrUn	21205678	21206714	1037 SAT1_CF	blue	na
chrUn	21206793	21207748	956 SAT1_CF	blue	na
chrUn	21207772	21209445	1674 SAT1_CF	blue	na
chrUn	21209456	21209564	109 SAT1_CF	blue	na
chrUn	21209616	21210136	521 SAT1_CF	blue	na
chrUn	21210154	21211132	979 SAT1_CF	blue	na
chrUn	21211496	21211690	195 SAT1_CF	blue	na
chrUn	21213116	21213721	606 SAT1_CF	blue	na
chrUn	21213733	21214408	676 SAT1_CF	blue	na
chrUn	21214450	21215431	982 SAT1_CF	blue	na
chrUn	21215475	21216162	688 SAT1_CF	blue	na
chrUn	21216174	21216485	312 SAT1_CF	blue	na
chrUn	21216566	21217135	570 SAT1_CF	blue	na
chrUn	21217154	21218300	1147 SAT1_CF	blue	na
chrUn	21218365	21219506	1142 SAT1_CF	blue	na
chrUn	21219541	21220107	567 SAT1_CF	blue	na
chrUn	21220145	21220639	495 SAT1_CF	blue	na
chrUn	21220669	21221339	671 SAT1_CF	blue	na
chrUn	21221351	21222241	891 SAT1_CF	blue	na
chrUn	21222255	21223302	1048 SAT1_CF	blue	na
chrUn	21223857	21224039	183 SAT1_CF	blue	na
chrUn	21224066	21224623	558 SAT1_CF	blue	na
chrUn	21224739	21225287	549 SAT1_CF	blue	na

chrUn	21225300	21227048	1749 SAT1_CF	blue	na
chrUn	21227090	21227272	183 SAT1_CF	blue	na
chrUn	21227298	21228090	793 SAT1_CF	blue	na
chrUn	21228267	21228438	172 SAT1_CF	blue	na
chrUn	21228512	21228982	471 SAT1_CF	blue	na
chrUn	21229005	21229108	104 SAT1_CF	blue	na
chrUn	21229134	21230329	1196 SAT1_CF	blue	na
chrUn	21230344	21230501	158 SAT1_CF	blue	na
chrUn	21230527	21232445	1919 SAT1_CF	blue	na
chrUn	21232471	21233511	1041 SAT1_CF	blue	na
chrUn	21233523	21233688	166 SAT1_CF	blue	na
chrUn	21233871	21234055	185 SAT1_CF	blue	na
chrUn	21234111	21234591	481 SAT1_CF	blue	na
chrUn	21234618	21235363	746 SAT1_CF	blue	na
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chrUn	21237935	21238071	137 SAT1_CF	blue	na
chrUn	21238137	21239325	1189 SAT1_CF	blue	na
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chrUn	21242016	21242648	633 SAT1_CF	blue	na
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chrUn	21244908	21246067	1160 SAT1_CF	blue	na
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chrUn	21246739	21246941	203 SAT1_CF	blue	na
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chrUn	21249671	21249985	315 SAT1_CF	blue	na
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chrUn	21253057	21253558	502 SAT1_CF	blue	na

chrUn	21253572	21254329	758 SAT1_CF	blue	na
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chrUn	21255076	21255766	691 SAT1_CF	blue	na
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chrUn	21259973	21260770	798 SAT1_CF	blue	na
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chrUn	21269695	21270376	682 SAT1_CF	blue	na
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chrUn	21278094	21278596	503 SAT1_CF	blue	na
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chrUn	21282383	21282490	108 SAT1_CF	blue	na
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chrUn	21286241	21286916	676 SAT1_CF	blue	na
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chrUn	21303660	21303905	246 SAT1_CF	blue	na
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chrUn	21307529	21308635	1107 SAT1_CF	blue	na
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chrUn	21317702	21318533	832 SAT1_CF	blue	na
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chrUn	21447976	21448864	889 SAT1_CF	blue	na
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chrUn	21495185	21495372	188 SAT1_CF	blue	na
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chrUn	21519308	21519893	586 SAT1_CF	blue	na
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chrUn	21527687	21527793	107 SAT1_CF	blue	na
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chrUn	21529118	21529643	526 SAT1_CF	blue	na
chrUn	21529658	21529794	137 SAT1_CF	blue	na
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chrUn	21530466	21531634	1169 SAT1_CF	blue	na
chrUn	21531731	21532827	1097 SAT1_CF	blue	na
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chrUn	21534123	21534736	614 SAT1_CF	blue	na
chrUn	21534748	21535607	860 SAT1_CF	blue	na
chrUn	21535650	21537939	2290 SAT1_CF	blue	na
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chrUn	21540986	21541617	632 SAT1_CF	blue	na

chrUn	21541629	21542002	374 SAT1_CF	blue	na
chrUn	21542187	21542872	686 SAT1_CF	blue	na
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chrUn	21544653	21545221	569 SAT1_CF	blue	na
chrUn	21545234	21545917	684 SAT1_CF	blue	na
chrUn	21545997	21547239	1243 SAT1_CF	blue	na
chrUn	21547257	21547934	678 SAT1_CF	blue	na
chrUn	21547946	21548624	679 SAT1_CF	blue	na
chrUn	21548666	21549517	852 SAT1_CF	blue	na
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chrUn	21551658	21552212	555 SAT1_CF	blue	na
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chrUn	21569163	21570364	1202 SAT1_CF	blue	na
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chrUn	21579015	21579464	450 SAT1_CF	blue	na
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chrUn	21580079	21581315	1237 SAT1_CF	blue	na
chrUn	21581363	21581887	525 SAT1_CF	blue	na
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chrUn	21583277	21583842	566 SAT1_CF	blue	na
chrUn	21583884	21585070	1187 SAT1_CF	blue	na
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chrUn	21612202	21612570	369 SAT1_CF	blue	na
chrUn	21612631	21613174	544 SAT1_CF	blue	na
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chrUn	21746369	21747703	1335 SAT1_CF	blue	na
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chrUn	21782043	21782708	666 SAT1_CF	blue	na
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chrUn	21788192	21788827	636 SAT1_CF	blue	na
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chrUn	22143473	22144174	702	Sat2CF	purple	na
chrUn	22214630	22214792	163	Sat2CF	purple	na
chrUn	22214648	22215852	1205	Sat2CF	purple	na
chrUn	22215723	22215903	181	Sat2CF	purple	na
chrUn	22231629	22232848	1220	Sat2CF	purple	na
chrUn	22252723	22252881	159	Sat2CF	purple	na
chrUn	22252751	22253463	713	Sat2CF	purple	na
chrUn	22253336	22253485	150	Sat2CF	purple	na
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chrUn	22272527	22273611	1085	Sat2CF	purple	na
chrUn	22313835	22315086	1252	Sat2CF	purple	na
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chrUn	22314926	22315144	219	Sat2CF	purple	na
chrUn	22317962	22318162	201	CarSat1	red	na
chrUn	22318345	22319701	1357	CarSat1	red	na
chrUn	22319728	22321212	1485	CarSat1	red	na
chrUn	22330321	22331003	683	CarSat1	red	na
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chrUn	22333013	22334365	1353	SAT1_CF	blue	na
chrUn	22334560	22334721	162	Sat2CF	purple	na
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chrUn	22340864	22341577	714	CarSat1	red	na
chrUn	22341770	22343388	1619	CarSat1	red	na
chrUn	22343413	22344123	711	CarSat1	red	na
chrUn	22344149	22344859	711	CarSat1	red	na
chrUn	22344885	22346081	1197	CarSat1	red	na
chrUn	22346108	22348547	2440	CarSat1	red	na
chrUn	22348563	22349165	603	CarSat1	red	na
chrUn	22349433	22350508	1076	CarSat1	red	na
chrUn	22350535	22352716	2182	CarSat1	red	na
chrUn	22352743	22353505	763	CarSat1	red	na
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chrUn	22468068	22469154	1087	Sat2CF	purple	na
chrUn	22469030	22469179	150	Sat2CF	purple	na
chrUn	22493440	22494304	865	Sat2CF	purple	na

chrUn	22493582	22494389	808 Sat2CF	purple	na
chrUn	22539151	22539819	669 SAT1_CF	blue	na
chrUn	22539832	22540535	704 SAT1_CF	blue	na
chrUn	22540557	22542912	2356 SAT1_CF	blue	na
chrUn	22542926	22543061	136 SAT1_CF	blue	na
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chrUn	22543641	22544321	681 SAT1_CF	blue	na
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chrUn	22551970	22553304	1335 SAT1_CF	blue	na
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chrUn	22557572	22558244	673 SAT1_CF	blue	na
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chrUn	22576975	22578203	1229 SAT1_CF	blue	na
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chrUn	22582939	22583621	683 SAT1_CF	blue	na
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chrUn	22772414	22773086	673 SAT1_CF	blue	na
chrUn	22773133	22773507	375 SAT1_CF	blue	na
chrUn	22773546	22774065	520 SAT1_CF	blue	na
chrUn	22774078	22775669	1592 SAT1_CF	blue	na
chrUn	22775735	22777086	1352 SAT1_CF	blue	na
chrUn	22777111	22777773	663 SAT1_CF	blue	na
chrUn	22777816	22778813	998 SAT1_CF	blue	na
chrUn	22778857	22779813	957 SAT1_CF	blue	na
chrUn	22779856	22780358	503 SAT1_CF	blue	na
chrUn	22780370	22780473	104 SAT1_CF	blue	na
chrUn	22780499	22781053	555 SAT1_CF	blue	na
chrUn	22781077	22781741	665 SAT1_CF	blue	na
chrUn	22781784	22782416	633 SAT1_CF	blue	na
chrUn	22782444	22783006	563 SAT1_CF	blue	na
chrUn	22783086	22783566	481 SAT1_CF	blue	na
chrUn	22783618	22783754	137 SAT1_CF	blue	na
chrUn	22783801	22784320	520 SAT1_CF	blue	na
chrUn	22784333	22784641	309 SAT1_CF	blue	na
chrUn	22784654	22784725	72 SAT1_CF	blue	na
chrUn	22784747	22785188	442 SAT1_CF	blue	na

chrUn	22785229	22785729	501 SAT1_CF	blue	na
chrUn	22785742	22786425	684 SAT1_CF	blue	na
chrUn	22786443	22786561	119 SAT1_CF	blue	na
chrUn	22786572	22788113	1542 SAT1_CF	blue	na
chrUn	22788125	22788801	677 SAT1_CF	blue	na
chrUn	22788814	22789798	985 SAT1_CF	blue	na
chrUn	22789825	22791780	1956 SAT1_CF	blue	na
chrUn	22791808	22791965	158 SAT1_CF	blue	na
chrUn	22791991	22793020	1030 SAT1_CF	blue	na
chrUn	22793032	22794526	1495 SAT1_CF	blue	na
chrUn	22794623	22795718	1096 SAT1_CF	blue	na
chrUn	22795805	22796307	503 SAT1_CF	blue	na
chrUn	22796320	22797004	685 SAT1_CF	blue	na
chrUn	22797016	22797321	306 SAT1_CF	blue	na
chrUn	22797320	22797552	233 CarSat1	red	na
chrUn	22797702	22798549	848 CarSat1	red	na
chrUn	22798579	22799532	954 CarSat1	red	na
chrUn	22824216	22825398	1183 Sat2CF	purple	na
chrUn	22828299	22829828	1530 CarSat1	red	na
chrUn	22829849	22831333	1485 CarSat1	red	na
chrUn	22840426	22840799	374 CarSat1	red	na
chrUn	22841331	22842236	906 CarSat1	red	na
chrUn	22842270	22844051	1782 CarSat1	red	na
chrUn	22844070	22844471	402 CarSat1	red	na
chrUn	22844487	22845649	1163 SAT1_CF	blue	na
chrUn	22852887	22854426	1540 CarSat1	red	na
chrUn	22854635	22855226	592 CarSat1	red	na
chrUn	22855874	22858279	2406 CarSat1	red	na
chrUn	22858295	22862966	4672 CarSat1	red	na
chrUn	22863208	22867585	4378 CarSat1	red	na
chrUn	22867612	22870039	2428 CarSat1	red	na
chrUn	22870063	22870774	712 CarSat1	red	na
chrUn	22870807	22872740	1934 CarSat1	red	na
chrUn	22872767	22873713	947 CarSat1	red	na
chrUn	22873754	22874460	707 CarSat1	red	na
chrUn	22874494	22875679	1186 CarSat1	red	na
chrUn	22875700	22876872	1173 CarSat1	red	na
chrUn	22876894	22877021	128 Carsat2	orange	na
chrUn	22876909	22878141	1233 CarSat1	red	na
chrUn	22878157	22879612	1456 CarSat1	red	na
chrUn	22879645	22880505	861 CarSat1	red	na
chrUn	22880734	22882758	2025 CarSat1	red	na

chrUn	22882774	22889099	6326	CarSat1	red	na
chrUn	22889133	22894521	5389	CarSat1	red	na
chrUn	22894537	22895255	719	CarSat1	red	na
chrUn	22895271	22897461	2191	CarSat1	red	na
chrUn	22897487	22899663	2177	CarSat1	red	na
chrUn	22899687	22900407	721	CarSat1	red	na
chrUn	22900433	22904572	4140	CarSat1	red	na
chrUn	22904599	22905033	435	CarSat1	red	na
chrUn	22905067	22905773	707	CarSat1	red	na
chrUn	22905804	22906290	487	CarSat1	red	na
chrUn	22906314	22908542	2229	CarSat1	red	na
chrUn	22908576	22912003	3428	CarSat1	red	na
chrUn	22912028	22912656	629	CarSat1	red	na
chrUn	22920332	22921104	773	Sat2CF	purple	na
chrUn	22949956	22951114	1159	Sat2CF	purple	na
chrUn	22968406	22969572	1167	Sat2CF	purple	na
chrUn	22978555	22979109	555	Sat2CF	purple	na
chrUn	22978980	22979157	178	Sat2CF	purple	na
chrUn	22994032	22994853	822	Sat2CF	purple	na
chrUn	22994106	22994831	726	Sat2CF	purple	na
chrUn	22994722	22994890	169	Sat2CF	purple	na
chrUn	23007580	23008832	1253	Sat2CF	purple	na
chrUn	23011500	23013040	1541	CarSat1	red	na
chrUn	23013067	23014551	1485	CarSat1	red	na
chrUn	23024047	23024475	429	CarSat1	red	na
chrUn	23024487	23026265	1779	CarSat1	red	na
chrUn	23026284	23026685	402	CarSat1	red	na
chrUn	23026701	23028090	1390	SAT1_CF	blue	na
chrUn	23028285	23028445	161	Sat2CF	purple	na
chrUn	23028296	23028475	180	Sat2CF	purple	na
chrUn	23028319	23028475	157	Sat2CF	purple	na
chrUn	23028681	23029482	802	Sat2CF	purple	na
chrUn	23029166	23029543	378	Sat2CF	purple	na
chrUn	23035569	23037108	1540	CarSat1	red	na
chrUn	23037321	23037913	593	CarSat1	red	na
chrUn	23046465	23047164	700	CarSat1	red	na
chrUn	23047362	23047487	126	CarSat1	red	na
chrUn	23047512	23047973	462	CarSat1	red	na
chrUn	23047990	23048704	715	CarSat1	red	na
chrUn	23048731	23049440	710	CarSat1	red	na
chrUn	23049466	23050176	711	CarSat1	red	na
chrUn	23050203	23050913	711	CarSat1	red	na

chrUn	23050940	23051650	711 CarSat1	red	na
chrUn	23051677	23052387	711 CarSat1	red	na
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chrUn	23053150	23054112	963 CarSat1	red	na
chrUn	23054137	23055335	1199 CarSat1	red	na
chrUn	23055362	23056071	710 CarSat1	red	na
chrUn	23056097	23057059	963 CarSat1	red	na
chrUn	23057075	23057544	470 CarSat1	red	na
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chrUn	23058550	23059270	721 CarSat1	red	na
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chrUn	23060518	23063010	2493 CarSat1	red	na
chrUn	23063573	23064173	601 CarSat1	red	na
chrUn	23064200	23065843	1644 CarSat1	red	na
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chrUn	23070324	23070793	470 CarSat1	red	na
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chrUn	23075242	23076204	963 CarSat1	red	na
chrUn	23076220	23078416	2197 CarSat1	red	na
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chrUn	23083249	23087601	4353 CarSat1	red	na
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chrUn	23088962	23089089	128 Carsat2	orange	na
chrUn	23088977	23089956	980 CarSat1	red	na
chrUn	23089983	23091683	1701 CarSat1	red	na
chrUn	23091699	23094993	3295 CarSat1	red	na
chrUn	23101505	23101821	317 Sat2CF	purple	na
chrUn	23102163	23102611	449 Sat2CF	purple	na
chrUn	23102283	23102664	382 Sat2CF	purple	na
chrUn	23115414	23115648	235 Sat2CF	purple	na
chrUn	23115482	23115830	349 Sat2CF	purple	na
chrUn	23142763	23143929	1167 Sat2CF	purple	na
chrUn	23180897	23182072	1176 Sat2CF	purple	na
chrUn	23223618	23223779	162 Sat2CF	purple	na
chrUn	23223644	23224753	1110 Sat2CF	purple	na

chrUn	23242944	23243896	953 Sat2CF	purple	na
chrUn	23266630	23267368	739 Sat2CF	purple	na
chrUn	23266704	23267366	663 Sat2CF	purple	na
chrUn	23301583	23302834	1252 Sat2CF	purple	na
chrUn	23301713	23302832	1120 Sat2CF	purple	na
chrUn	23357853	23359089	1237 Sat2CF	purple	na
chrUn	23372731	23373862	1132 Sat2CF	purple	na
chrUn	23372735	23374022	1288 Sat2CF	purple	na
chrUn	23389991	23391159	1169 Sat2CF	purple	na
chrUn	23391051	23391230	180 Sat2CF	purple	na
chrUn	23406450	23406830	381 Sat2CF	purple	na
chrUn	23406509	23407295	787 Sat2CF	purple	na
chrUn	23417450	23417809	360 SAT1_CF	blue	na
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chrUn	23419699	23421549	1851 SAT1_CF	blue	na
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chrUn	23429626	23431324	1699 SAT1_CF	blue	na
chrUn	23431366	23431556	191 SAT1_CF	blue	na
chrUn	23431587	23432112	526 SAT1_CF	blue	na
chrUn	23432127	23432263	137 SAT1_CF	blue	na
chrUn	23432329	23432831	503 SAT1_CF	blue	na
chrUn	23432844	23432951	108 SAT1_CF	blue	na
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chrUn	23433538	23434300	763 SAT1_CF	blue	na
chrUn	23434312	23435169	858 SAT1_CF	blue	na
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chrUn	23436441	23436942	502 SAT1_CF	blue	na
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chrUn	23438654	23439177	524 SAT1_CF	blue	na
chrUn	23439220	23439422	203 SAT1_CF	blue	na
chrUn	23439601	23439789	189 SAT1_CF	blue	na
chrUn	23439845	23440404	560 SAT1_CF	blue	na

chrUn	23440466	23441275	810 SAT1_CF	blue	na
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chrUn	23445052	23445553	502 SAT1_CF	blue	na
chrUn	23445565	23445674	110 SAT1_CF	blue	na
chrUn	23445695	23446325	631 SAT1_CF	blue	na
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chrUn	23447060	23447605	546 SAT1_CF	blue	na
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chrUn	23448214	23449393	1180 SAT1_CF	blue	na
chrUn	23449436	23449975	540 SAT1_CF	blue	na
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chrUn	23471789	23472285	497 SAT1_CF	blue	na
chrUn	23472298	23473520	1223 SAT1_CF	blue	na
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chrUn	23483923	23484415	493 SAT1_CF	blue	na
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chrUn	23489593	23490133	541 SAT1_CF	blue	na
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chrUn	23493563	23494056	494 SAT1_CF	blue	na
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chrUn	23502465	23502815	351 SAT1_CF	blue	na
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chrUn	23503869	23504414	546 SAT1_CF	blue	na
chrUn	23504458	23505458	1001 SAT1_CF	blue	na
chrUn	23505490	23506485	996 SAT1_CF	blue	na
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chrUn	23557034	23557555	522 SAT1_CF	blue	na
chrUn	23557568	23558737	1170 SAT1_CF	blue	na
chrUn	23558818	23559366	549 SAT1_CF	blue	na
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chrUn	23559791	23559976	186 SAT1_CF	blue	na
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chrUn	23563316	23565271	1956 SAT1_CF	blue	na
chrUn	23565338	23566463	1126 SAT1_CF	blue	na
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chrUn	23577189	23577568	380 SAT1_CF	blue	na
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chrUn	23585892	23586531	640 SAT1_CF	blue	na

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chrUn	23588468	23588544	77 SAT1_CF	blue	na
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chrUn	23592808	23593482	675 SAT1_CF	blue	na
chrUn	23593525	23594073	549 SAT1_CF	blue	na
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chrUn	23605885	23607085	1201 SAT1_CF	blue	na
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chrUn	23776057	23776527	471	SAT1_CF	blue	na
chrUn	23776550	23777874	1325	SAT1_CF	blue	na
chrUn	23777889	23778046	158	SAT1_CF	blue	na
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chrUn	23822880	23824203	1324 SAT1_CF	blue	na
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chrUn	23853586	23855069	1484 SAT1_CF	blue	na
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chrUn	23886549	23887073	525 SAT1_CF	blue	na
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chrUn	23947963	23948822	860	SAT1_CF	blue	na
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chrUn	23949417	23950685	1269	SAT1_CF	blue	na
chrUn	23950696	23951051	356	SAT1_CF	blue	na
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chrUn	23953115	23953954	840	SAT1_CF	blue	na
chrUn	23953967	23955154	1188	SAT1_CF	blue	na
chrUn	23955166	23956325	1160	SAT1_CF	blue	na
chrUn	23956345	23956952	608	SAT1_CF	blue	na
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chrUn	23957378	23957562	185	SAT1_CF	blue	na
chrUn	23957598	23958165	568	SAT1_CF	blue	na
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chrUn	24131440	24131680	241 SAT1_CF	blue	na
chrUn	24131698	24132190	493 SAT1_CF	blue	na
chrUn	24132247	24132794	548 SAT1_CF	blue	na
chrUn	24132836	24134292	1457 SAT1_CF	blue	na
chrUn	24134548	24134680	133 SAT1_CF	blue	na
chrUn	24134768	24135247	480 SAT1_CF	blue	na
chrUn	24135260	24135365	106 SAT1_CF	blue	na
chrUn	24135388	24137082	1695 SAT1_CF	blue	na
chrUn	24137095	24137855	761 SAT1_CF	blue	na
chrUn	24137879	24138550	672 SAT1_CF	blue	na
chrUn	24138562	24139490	929 SAT1_CF	blue	na
chrUn	24139503	24140664	1162 SAT1_CF	blue	na
chrUn	24140706	24141330	625 SAT1_CF	blue	na
chrUn	24141343	24142382	1040 SAT1_CF	blue	na
chrUn	24142397	24142554	158 SAT1_CF	blue	na
chrUn	24142599	24143681	1083 SAT1_CF	blue	na
chrUn	24143692	24144294	603 SAT1_CF	blue	na
chrUn	24144306	24145092	787 SAT1_CF	blue	na
chrUn	24145137	24145639	503 SAT1_CF	blue	na
chrUn	24145652	24147021	1370 SAT1_CF	blue	na

chrUn	24147101	24148216	1116 SAT1_CF	blue	na
chrUn	24148258	24149039	782 SAT1_CF	blue	na
chrUn	24149082	24149626	545 SAT1_CF	blue	na
chrUn	24149639	24150474	836 SAT1_CF	blue	na
chrUn	24150487	24151189	703 SAT1_CF	blue	na
chrUn	24151211	24153567	2357 SAT1_CF	blue	na
chrUn	24153581	24153737	157 SAT1_CF	blue	na
chrUn	24153782	24154283	502 SAT1_CF	blue	na
chrUn	24154310	24155929	1620 SAT1_CF	blue	na
chrUn	24155971	24156515	545 SAT1_CF	blue	na
chrUn	24156553	24157667	1115 SAT1_CF	blue	na
chrUn	24157849	24158030	182 SAT1_CF	blue	na
chrUn	24158051	24158570	520 SAT1_CF	blue	na
chrUn	24158583	24158688	106 SAT1_CF	blue	na
chrUn	24158711	24159344	634 SAT1_CF	blue	na
chrUn	24159386	24160412	1027 SAT1_CF	blue	na
chrUn	24160461	24160553	93 SAT1_CF	blue	na
chrUn	24160610	24160983	374 SAT1_CF	blue	na
chrUn	24162728	24163154	427 CarSat1	red	na
chrUn	24163186	24163910	725 CarSat1	red	na
chrUn	24163921	24164914	994 SAT1_CF	blue	na
chrUn	24164921	24166016	1096 CarSat1	red	na
chrUn	24166175	24167030	856 CarSat1	red	na
chrUn	24167052	24167904	853 CarSat1	red	na
chrUn	24167925	24169505	1581 CarSat1	red	na
chrUn	24169634	24170239	606 CarSat1	red	na
chrUn	24187685	24187847	163 Sat2CF	purple	na
chrUn	24187713	24188406	694 Sat2CF	purple	na
chrUn	24188303	24188423	121 Sat2CF	purple	na
chrUn	24212904	24214062	1159 Sat2CF	purple	na
chrUn	24216543	24216677	135 CarSat1	red	na
chrUn	24216704	24218188	1485 CarSat1	red	na
chrUn	24227674	24228081	408 CarSat1	red	na
chrUn	24228115	24229554	1440 CarSat1	red	na
chrUn	24229739	24230127	389 CarSat1	red	na
chrUn	24230146	24230548	403 CarSat1	red	na
chrUn	24230584	24231953	1370 SAT1_CF	blue	na
chrUn	24232148	24232309	162 Sat2CF	purple	na
chrUn	24232181	24233045	865 Sat2CF	purple	na
chrUn	24232949	24233056	108 Sat2CF	purple	na
chrUn	24246454	24246769	316 SAT1_CF	blue	na
chrUn	24388120	24388696	577 CarSat1	red	na

chrUn	24388726	24389766	1041	CarSat1	red	na
chrUn	24389787	24390189	403	CarSat1	red	na
chrUn	24390203	24390260	58	CarSat1	red	na
chrUn	24396291	24396964	674	CarSat1	red	na
chrUn	24396984	24398484	1501	CarSat1	red	na
chrUn	24398505	24399362	858	CarSat1	red	na
chrUn	24399383	24401257	1875	CarSat1	red	na
chrUn	24401265	24402656	1392	SAT1_CF	blue	na
chrUn	24402851	24403013	163	Sat2CF	purple	na
chrUn	24402884	24403879	996	Sat2CF	purple	na
chrUn	24415682	24417747	2066	SAT1_CF	blue	na
chrUn	24417801	24418331	531	SAT1_CF	blue	na
chrUn	24418375	24419563	1189	SAT1_CF	blue	na
chrUn	24419575	24419874	300	SAT1_CF	blue	na
chrUn	24419879	24420817	939	CarSat1	red	na
chrUn	24420829	24422593	1765	CarSat1	red	na
chrUn	24422614	24424202	1589	CarSat1	red	na
chrUn	24424223	24424747	525	CarSat1	red	na
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chrUn	24425145	24426312	1168	Sat2CF	purple	na
chrUn	24426204	24426381	178	Sat2CF	purple	na
chrUn	24441454	24442260	807	Sat2CF	purple	na
chrUn	24441516	24442238	723	Sat2CF	purple	na
chrUn	24498436	24498598	163	Sat2CF	purple	na
chrUn	24498464	24498821	358	Sat2CF	purple	na
chrUn	24498503	24499331	829	Sat2CF	purple	na
chrUn	24521218	24521380	163	Sat2CF	purple	na
chrUn	24521246	24521605	360	Sat2CF	purple	na
chrUn	24521285	24522069	785	Sat2CF	purple	na
chrUn	24537525	24538659	1135	Sat2CF	purple	na
chrUn	24569851	24571018	1168	Sat2CF	purple	na
chrUn	24623998	24624518	521	Sat2CF	purple	na
chrUn	24624063	24624518	456	Sat2CF	purple	na
chrUn	24624709	24624846	138	Sat2CF	purple	na
chrUn	24624723	24625273	551	Sat2CF	purple	na
chrUn	24625149	24625350	202	Sat2CF	purple	na
chrUn	24626978	24627391	414	CarSat1	red	na
chrUn	24628195	24628337	143	CarSat1	red	na
chrUn	24628358	24629072	715	CarSat1	red	na
chrUn	24629231	24631264	2034	CarSat1	red	na
chrUn	24637770	24639346	1577	SAT1_CF	blue	na
chrUn	24639360	24641721	2362	SAT1_CF	blue	na

chrUn	24641733	24642340	608 SAT1_CF	blue	na
chrUn	24642351	24642896	546 SAT1_CF	blue	na
chrUn	24642909	24643875	967 SAT1_CF	blue	na
chrUn	24643919	24644435	517 SAT1_CF	blue	na
chrUn	24650896	24653680	2785 SAT1_CF	blue	na
chrUn	24653723	24654253	531 SAT1_CF	blue	na
chrUn	24654297	24655811	1515 SAT1_CF	blue	na
chrUn	24655816	24656753	938 CarSat1	red	na
chrUn	24656785	24658533	1749 CarSat1	red	na
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chrUn	24672433	24673340	908 SAT1_CF	blue	na
chrUn	24673410	24674470	1061 SAT1_CF	blue	na
chrUn	24674568	24675220	653 SAT1_CF	blue	na
chrUn	24675270	24676228	959 SAT1_CF	blue	na
chrUn	24676258	24678742	2485 SAT1_CF	blue	na
chrUn	24678812	24680427	1616 SAT1_CF	blue	na
chrUn	24680438	24680939	502 SAT1_CF	blue	na
chrUn	24680979	24681344	366 SAT1_CF	blue	na
chrUn	24681391	24681897	507 SAT1_CF	blue	na
chrUn	24681977	24682940	964 SAT1_CF	blue	na
chrUn	24682985	24684349	1365 SAT1_CF	blue	na
chrUn	24684362	24686760	2399 SAT1_CF	blue	na
chrUn	24686803	24687478	676 SAT1_CF	blue	na
chrUn	24687490	24688121	632 SAT1_CF	blue	na
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chrUn	24688263	24688763	501 SAT1_CF	blue	na
chrUn	24688850	24689205	356 SAT1_CF	blue	na
chrUn	24689219	24689830	612 SAT1_CF	blue	na
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chrUn	24690589	24691155	567 SAT1_CF	blue	na
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chrUn	24691296	24691773	478 SAT1_CF	blue	na
chrUn	24691830	24691902	73 SAT1_CF	blue	na
chrUn	24691914	24692416	503 SAT1_CF	blue	na
chrUn	24692469	24693377	909 SAT1_CF	blue	na
chrUn	24693458	24695752	2295 SAT1_CF	blue	na
chrUn	24695820	24697153	1334 SAT1_CF	blue	na
chrUn	24697197	24698530	1334 SAT1_CF	blue	na
chrUn	24698542	24700207	1666 SAT1_CF	blue	na
chrUn	24700221	24700904	684 SAT1_CF	blue	na

chrUn	24700916	24701417	502 SAT1_CF	blue	na
chrUn	24701463	24702465	1003 SAT1_CF	blue	na
chrUn	24702497	24702994	498 SAT1_CF	blue	na
chrUn	24703382	24705080	1699 SAT1_CF	blue	na
chrUn	24705107	24705208	102 SAT1_CF	blue	na
chrUn	24705222	24705712	491 SAT1_CF	blue	na
chrUn	24705723	24706406	684 SAT1_CF	blue	na
chrUn	24706418	24707099	682 SAT1_CF	blue	na
chrUn	24707112	24707619	508 SAT1_CF	blue	na
chrUn	24707701	24709197	1497 SAT1_CF	blue	na
chrUn	24709224	24710444	1221 SAT1_CF	blue	na
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chrUn	24711655	24712209	555 SAT1_CF	blue	na
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chrUn	24717034	24717191	158 SAT1_CF	blue	na
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chrUn	24717957	24719630	1674 SAT1_CF	blue	na
chrUn	24719642	24720222	581 SAT1_CF	blue	na
chrUn	24720243	24721917	1675 SAT1_CF	blue	na
chrUn	24721960	24722634	675 SAT1_CF	blue	na
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chrUn	24724636	24725198	563 SAT1_CF	blue	na
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chrUn	24725892	24726566	675 SAT1_CF	blue	na
chrUn	24726578	24728175	1598 SAT1_CF	blue	na
chrUn	24728187	24728741	555 SAT1_CF	blue	na
chrUn	24728763	24729519	757 SAT1_CF	blue	na
chrUn	24729531	24730212	682 SAT1_CF	blue	na
chrUn	24730225	24730726	502 SAT1_CF	blue	na
chrUn	24730769	24732081	1313 SAT1_CF	blue	na
chrUn	24732988	24733525	538 SAT1_CF	blue	na
chrUn	24733537	24735453	1917 SAT1_CF	blue	na
chrUn	24735498	24736037	540 SAT1_CF	blue	na
chrUn	24736048	24736140	93 SAT1_CF	blue	na

chrUn	24736153	24737310	1158	SAT1_CF	blue	na
chrUn	24737376	24737510	135	SAT1_CF	blue	na
chrUn	24737564	24738765	1202	SAT1_CF	blue	na
chrUn	24738792	24739033	242	SAT1_CF	blue	na
chrUn	24739047	24739538	492	SAT1_CF	blue	na
chrUn	24739549	24740232	684	SAT1_CF	blue	na
chrUn	24740244	24740922	679	SAT1_CF	blue	na
chrUn	24740941	24741459	519	SAT1_CF	blue	na
chrUn	24741529	24741987	459	SAT1_CF	blue	na
chrUn	24742042	24742719	678	SAT1_CF	blue	na
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chrUn	24744514	24745060	547	SAT1_CF	blue	na
chrUn	24745080	24745189	110	SAT1_CF	blue	na
chrUn	24745201	24745873	673	SAT1_CF	blue	na
chrUn	24745903	24746396	494	SAT1_CF	blue	na
chrUn	24746442	24747009	568	SAT1_CF	blue	na
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chrUn	24754179	24754844	666	SAT1_CF	blue	na
chrUn	24754871	24755372	502	SAT1_CF	blue	na
chrUn	24755415	24756335	921	SAT1_CF	blue	na
chrUn	24756397	24757415	1019	SAT1_CF	blue	na
chrUn	24757438	24758120	683	SAT1_CF	blue	na
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chrUn	24758689	24759038	350	SAT1_CF	blue	na
chrUn	24759071	24760441	1371	SAT1_CF	blue	na
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chrUn	24763422	24763820	399	SAT1_CF	blue	na
chrUn	24763831	24764354	524	SAT1_CF	blue	na
chrUn	24764386	24765241	856	SAT1_CF	blue	na
chrUn	24765318	24765858	541	SAT1_CF	blue	na
chrUn	24765908	24766593	686	SAT1_CF	blue	na
chrUn	24766605	24767210	606	SAT1_CF	blue	na
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chrUn	24770051	24770492	442	SAT1_CF	blue	na
chrUn	24770548	24771116	569	SAT1_CF	blue	na
chrUn	24771181	24771338	158	SAT1_CF	blue	na

chrUn	24771353	24771877	525 SAT1_CF	blue	na
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chrUn	24772564	24773936	1373 SAT1_CF	blue	na
chrUn	24773949	24774449	501 SAT1_CF	blue	na
chrUn	24774507	24774640	134 SAT1_CF	blue	na
chrUn	24774667	24775177	511 SAT1_CF	blue	na
chrUn	24775257	24776479	1223 SAT1_CF	blue	na
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chrUn	24781129	24781737	609 SAT1_CF	blue	na
chrUn	24786702	24787290	589 SAT1_CF	blue	na
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chrUn	24791185	24792149	965 SAT1_CF	blue	na
chrUn	24792192	24793548	1357 SAT1_CF	blue	na
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chrUn	24800529	24801212	684 SAT1_CF	blue	na
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chrUn	24803633	24804178	546 SAT1_CF	blue	na
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chrUn	24808297	24808798	502 SAT1_CF	blue	na
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chrUn	24809033	24809537	505 SAT1_CF	blue	na
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chrUn	24812830	24814190	1361 SAT1_CF	blue	na
chrUn	24814212	24815641	1430 SAT1_CF	blue	na
chrUn	24815694	24816060	367 SAT1_CF	blue	na
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chrUn	24827876	24830662	2787 SAT1_CF	blue	na
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chrUn	24831719	24832678	960 SAT1_CF	blue	na
chrUn	24832757	24833716	960 SAT1_CF	blue	na
chrUn	24833760	24835131	1372 SAT1_CF	blue	na
chrUn	24835144	24835643	500 SAT1_CF	blue	na
chrUn	24835683	24836644	962 SAT1_CF	blue	na
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chrUn	24837902	24839048	1147 SAT1_CF	blue	na
chrUn	24839083	24840048	966 SAT1_CF	blue	na
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chrUn	24846443	24846962	520 SAT1_CF	blue	na
chrUn	24846988	24847145	158 SAT1_CF	blue	na
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chrUn	24849336	24849445	110 SAT1_CF	blue	na
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chrUn	24850700	24851479	780 SAT1_CF	blue	na
chrUn	24851497	24852181	685 SAT1_CF	blue	na
chrUn	24852197	24852983	787 SAT1_CF	blue	na
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chrUn	24853826	24854319	494 SAT1_CF	blue	na

chrUn	24854359	24856393	2035 SAT1_CF	blue	na
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chrUn	24857122	24858317	1196 SAT1_CF	blue	na
chrUn	24858357	24858924	568 SAT1_CF	blue	na
chrUn	24858925	24860062	1138 CarSat1	red	na
chrUn	24860079	24862166	2088 CarSat1	red	na
chrUn	24862191	24862901	711 CarSat1	red	na
chrUn	24862926	24863634	709 CarSat1	red	na
chrUn	24863651	24867310	3660 CarSat1	red	na
chrUn	24867525	24872117	4593 CarSat1	red	na
chrUn	24872144	24876899	4756 CarSat1	red	na
chrUn	24877373	24879212	1840 CarSat1	red	na
chrUn	24879242	24880689	1448 CarSat1	red	na
chrUn	24880719	24882161	1443 CarSat1	red	na
chrUn	24882191	24883636	1446 CarSat1	red	na
chrUn	24883651	24883777	127 Carsat2	orange	na
chrUn	24883666	24884373	708 CarSat1	red	na
chrUn	24884388	24884515	128 Carsat2	orange	na
chrUn	24884403	24888063	3661 CarSat1	red	na
chrUn	24888093	24894691	6599 CarSat1	red	na
chrUn	24894721	24897710	2990 CarSat1	red	na
chrUn	24898728	24900359	1632 SAT1_CF	blue	na
chrUn	24900371	24901487	1117 SAT1_CF	blue	na
chrUn	24901515	24902146	632 SAT1_CF	blue	na
chrUn	24902189	24902859	671 SAT1_CF	blue	na
chrUn	24902877	24903562	686 SAT1_CF	blue	na
chrUn	24903574	24904056	483 SAT1_CF	blue	na
chrUn	24904076	24904336	261 SAT1_CF	blue	na
chrUn	24904375	24904537	163 SAT1_CF	blue	na
chrUn	24904550	24907736	3187 SAT1_CF	blue	na
chrUn	24907782	24908638	857 SAT1_CF	blue	na
chrUn	24908650	24909836	1187 SAT1_CF	blue	na
chrUn	24909857	24910282	426 SAT1_CF	blue	na
chrUn	24910326	24911528	1203 SAT1_CF	blue	na
chrUn	24911550	24912188	639 SAT1_CF	blue	na
chrUn	24912256	24912755	500 SAT1_CF	blue	na
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chrUn	24917362	24918221	860 SAT1_CF	blue	na

chrUn	24918243	24918846	604 SAT1_CF	blue	na
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chrUn	24919575	24920101	527 SAT1_CF	blue	na
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chrUn	24923467	24924724	1258 SAT1_CF	blue	na
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chrUn	24926217	24926806	590 SAT1_CF	blue	na
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chrUn	24930454	24931137	684 SAT1_CF	blue	na
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chrUn	24935024	24935525	502 SAT1_CF	blue	na
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chrUn	24943218	24945076	1859 SAT1_CF	blue	na
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chrUn	24945932	24946672	741 SAT1_CF	blue	na
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chrUn	24948804	24949310	507 SAT1_CF	blue	na
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chrUn	24954218	24954763	546 SAT1_CF	blue	na
chrUn	24954785	24955536	752 SAT1_CF	blue	na
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chrUn	24955678	24956178	501 SAT1_CF	blue	na
chrUn	24956265	24956620	356 SAT1_CF	blue	na
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chrUn	24958292	24959532	1241 SAT1_CF	blue	na
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chrUn	24961290	24962252	963 SAT1_CF	blue	na
chrUn	24962295	24962840	546 SAT1_CF	blue	na
chrUn	24962860	24962969	110 SAT1_CF	blue	na
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chrUn	24981436	24981537	102 SAT1_CF	blue	na
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chrUn	24985553	24986773	1221 SAT1_CF	blue	na
chrUn	24986787	24987279	493 SAT1_CF	blue	na
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chrUn	24987984	24988537	554 SAT1_CF	blue	na

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chrUn	24991563	24992067	505 SAT1_CF	blue	na
chrUn	24992099	24993318	1220 SAT1_CF	blue	na
chrUn	24993384	24993520	137 SAT1_CF	blue	na
chrUn	24993553	24994057	505 SAT1_CF	blue	na
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chrUn	25023326	25023868	543 SAT1_CF	blue	na
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chrUn	25040571	25041136	566 SAT1_CF	blue	na
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chrUn	25055581	25057408	1828 CarSat1	red	na
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chrUn	25066546	25067266	721 CarSat1	red	na
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chrUn	25072536	25072663	128	Carsat2	orange	na
chrUn	25072551	25073040	490	CarSat1	red	na
chrUn	25073056	25073772	717	CarSat1	red	na
chrUn	25073789	25074506	718	CarSat1	red	na
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chrUn	25078560	25078744	185	Carsat2	orange	na
chrUn	25078596	25079305	710	CarSat1	red	na
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chrUn	25091834	25093775	1942	CarSat1	red	na
chrUn	25093797	25094757	961	CarSat1	red	na
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chrUn	25100896	25101023	128	Carsat2	orange	na
chrUn	25100911	25103363	2453	CarSat1	red	na
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chrUn	25104127	25104839	713	CarSat1	red	na
chrUn	25104864	25108472	3609	CarSat1	red	na
chrUn	25108797	25109265	469	CarSat1	red	na
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chrUn	25112238	25112948	711	CarSat1	red	na
chrUn	25112975	25113684	710	CarSat1	red	na
chrUn	25113711	25114417	707	CarSat1	red	na
chrUn	25114444	25115155	712	CarSat1	red	na
chrUn	25115182	25116143	962	CarSat1	red	na
chrUn	25116159	25116879	721	CarSat1	red	na
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chrUn	25117860	25118568	709	CarSat1	red	na
chrUn	25118583	25118710	128	Carsat2	orange	na
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chrUn	25130701	25131664	964 SAT1_CF	blue	na
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chrUn	25139950	25141207	1258 SAT1_CF	blue	na
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chrUn	25153955	25154536	582 SAT1_CF	blue	na
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chrUn	25161375	25162487	1113 SAT1_CF	blue	na
chrUn	25162530	25163113	584 SAT1_CF	blue	na
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chrUn	25164681	25165452	772 SAT1_CF	blue	na

chrUn	25165593	25166530	938 SAT1_CF	blue	na
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chrUn	25170662	25171153	492 SAT1_CF	blue	na
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chrUn	25183525	25184163	639 SAT1_CF	blue	na
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chrUn	25233716	25234572	857 SAT1_CF	blue	na
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chrUn	25245752	25246546	795 SAT1_CF	blue	na
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chrUn	25248483	25248555	73 SAT1_CF	blue	na

chrUn	25248577	25249130	554 SAT1_CF	blue	na
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chrUn	25541068	25541173	106 SAT1_CF	blue	na
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chrUn	26202654	26202754	101	SAT1_CF	blue	na
chrUn	26202767	26203268	502	SAT1_CF	blue	na
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chrUn	26229981	26231479	1499	SAT1_CF	blue	na
chrUn	26231560	26232524	965	SAT1_CF	blue	na
chrUn	26232566	26233110	545	SAT1_CF	blue	na
chrUn	26233122	26233231	110	SAT1_CF	blue	na
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chrUn	26236468	26236844	377 SAT1_CF	blue	na
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chrUn	26500866	26501039	174 SAT1_CF	blue	na
chrUn	26501117	26502287	1171 SAT1_CF	blue	na
chrUn	26502368	26504807	2440 SAT1_CF	blue	na
chrUn	26504821	26505312	492 SAT1_CF	blue	na
chrUn	26505323	26506005	683 SAT1_CF	blue	na
chrUn	26506017	26507699	1683 SAT1_CF	blue	na
chrUn	26507945	26508972	1028 SAT1_CF	blue	na
chrUn	26508997	26509100	104 SAT1_CF	blue	na
chrUn	26509113	26509634	522 SAT1_CF	blue	na
chrUn	26509655	26510055	401 SAT1_CF	blue	na
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chrUn	26513623	26514956	1334 SAT1_CF	blue	na
chrUn	26514969	26515650	682 SAT1_CF	blue	na
chrUn	26515663	26516547	885 SAT1_CF	blue	na
chrUn	26516569	26517252	684 SAT1_CF	blue	na
chrUn	26517264	26517818	555 SAT1_CF	blue	na
chrUn	26517873	26517947	75 SAT1_CF	blue	na
chrUn	26517966	26518459	494 SAT1_CF	blue	na
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chrUn	26522619	26523170	552 SAT1_CF	blue	na
chrUn	26523198	26523392	195 SAT1_CF	blue	na
chrUn	26523435	26523997	563 SAT1_CF	blue	na
chrUn	26524041	26525889	1849 SAT1_CF	blue	na
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chrUn	26526290	26526790	501 SAT1_CF	blue	na
chrUn	26526843	26527718	876 SAT1_CF	blue	na
chrUn	26527745	26528524	780 SAT1_CF	blue	na
chrUn	26528546	26532207	3662 SAT1_CF	blue	na
chrUn	26532240	26534304	2065 SAT1_CF	blue	na
chrUn	26534316	26534999	684 SAT1_CF	blue	na
chrUn	26535012	26535513	502 SAT1_CF	blue	na
chrUn	26535571	26535703	133 SAT1_CF	blue	na
chrUn	26535731	26536240	510 SAT1_CF	blue	na
chrUn	26536283	26536844	562 SAT1_CF	blue	na
chrUn	26536872	26537502	631 SAT1_CF	blue	na

chrUn	26537545	26538098	554 SAT1_CF	blue	na
chrUn	26538119	26538438	320 SAT1_CF	blue	na
chrUn	26538450	26539136	687 SAT1_CF	blue	na
chrUn	26539147	26539649	503 SAT1_CF	blue	na
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chrUn	26540101	26541118	1018 SAT1_CF	blue	na
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chrUn	26542813	26543490	678 SAT1_CF	blue	na
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chrUn	26544113	26544185	73 SAT1_CF	blue	na
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chrUn	26544926	26545436	511 SAT1_CF	blue	na
chrUn	26545504	26546749	1246 SAT1_CF	blue	na
chrUn	26546760	26547308	549 SAT1_CF	blue	na
chrUn	26547425	26549064	1640 SAT1_CF	blue	na
chrUn	26549076	26549992	917 SAT1_CF	blue	na
chrUn	26550005	26550687	683 SAT1_CF	blue	na
chrUn	26550700	26551219	520 SAT1_CF	blue	na
chrUn	26551236	26552134	899 SAT1_CF	blue	na
chrUn	26552166	26553020	855 SAT1_CF	blue	na
chrUn	26553062	26553792	731 SAT1_CF	blue	na
chrUn	26553808	26553921	114 SAT1_CF	blue	na
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chrUn	26554592	26556260	1669 SAT1_CF	blue	na
chrUn	26556272	26556969	698 SAT1_CF	blue	na
chrUn	26556987	26557489	503 SAT1_CF	blue	na
chrUn	26557529	26558486	958 SAT1_CF	blue	na
chrUn	26558527	26558699	173 SAT1_CF	blue	na
chrUn	26558711	26559349	639 SAT1_CF	blue	na
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chrUn	26564133	26564729	597 SAT1_CF	blue	na
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chrUn	26566263	26566787	525 SAT1_CF	blue	na
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chrUn	26567519	26568228	710 SAT1_CF	blue	na
chrUn	26568285	26568357	73 SAT1_CF	blue	na
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chrUn	26568924	26569832	909 SAT1_CF	blue	na
chrUn	26569913	26572207	2295 SAT1_CF	blue	na
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chrUn	26573652	26574985	1334 SAT1_CF	blue	na
chrUn	26574997	26576662	1666 SAT1_CF	blue	na
chrUn	26576676	26577359	684 SAT1_CF	blue	na
chrUn	26577372	26577872	501 SAT1_CF	blue	na
chrUn	26577918	26579454	1537 SAT1_CF	blue	na
chrUn	26579481	26580701	1221 SAT1_CF	blue	na
chrUn	26580715	26581967	1253 SAT1_CF	blue	na
chrUn	26581988	26582197	210 SAT1_CF	blue	na
chrUn	26583541	26583946	406 CarSat1	red	na
chrUn	26583978	26584702	725 CarSat1	red	na
chrUn	26584697	26585303	607 SAT1_CF	blue	na
chrUn	26585325	26585711	387 SAT1_CF	blue	na
chrUn	26585714	26586153	440 CarSat1	red	na
chrUn	26586171	26586811	641 CarSat1	red	na
chrUn	26586970	26587826	857 CarSat1	red	na
chrUn	26587847	26589419	1573 CarSat1	red	na
chrUn	26589449	26590153	705 CarSat1	red	na
chrUn	26611434	26612203	770 Sat2CF	purple	na
chrUn	26611499	26612188	690 Sat2CF	purple	na
chrUn	26624950	26626080	1131 Sat2CF	purple	na
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chrUn	26635637	26635814	178 Sat2CF	purple	na
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chrUn	26650682	26651481	800 Sat2CF	purple	na
chrUn	26651362	26651531	170 Sat2CF	purple	na
chrUn	26664172	26665423	1252 Sat2CF	purple	na
chrUn	26665263	26665451	189 Sat2CF	purple	na
chrUn	26668051	26669638	1588 CarSat1	red	na
chrUn	26669665	26670073	409 CarSat1	red	na
chrUn	26679630	26680313	684 CarSat1	red	na
chrUn	26680331	26681849	1519 CarSat1	red	na
chrUn	26681868	26682270	403 CarSat1	red	na
chrUn	26682288	26682439	152 SAT1_CF	blue	na
chrUn	26682480	26683640	1161 SAT1_CF	blue	na
chrUn	26683835	26683995	161 Sat2CF	purple	na

chrUn	26683887	26684950	1064	Sat2CF	purple	na
chrUn	26690907	26691591	685	CarSat1	red	na
chrUn	26691609	26692446	838	CarSat1	red	na
chrUn	26692636	26693227	592	CarSat1	red	na
chrUn	26703303	26704016	714	CarSat1	red	na
chrUn	26704211	26704357	147	CarSat1	red	na
chrUn	26704382	26707518	3137	CarSat1	red	na
chrUn	26707548	26709727	2180	CarSat1	red	na
chrUn	26709757	26710979	1223	CarSat1	red	na
chrUn	26711005	26712634	1630	CarSat1	red	na
chrUn	26712825	26714551	1727	CarSat1	red	na
chrUn	26714584	26715047	464	CarSat1	red	na
chrUn	26715238	26718197	2960	CarSat1	red	na
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chrUn	26724775	26725477	703	CarSat1	red	na
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chrUn	26726025	26726949	925	CarSat1	red	na
chrUn	26726979	26727469	491	CarSat1	red	na
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chrUn	26727862	26728626	765	CarSat1	red	na
chrUn	26728656	26729353	698	CarSat1	red	na
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chrUn	26730123	26730617	495	CarSat1	red	na
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chrUn	26738113	26739333	1221	Sat2CF	purple	na
chrUn	26784099	26785210	1112	Sat2CF	purple	na
chrUn	26785052	26785253	202	Sat2CF	purple	na
chrUn	26786882	26787293	412	CarSat1	red	na
chrUn	26788261	26789845	1585	CarSat1	red	na
chrUn	26789866	26790717	852	CarSat1	red	na
chrUn	26790738	26792896	2159	CarSat1	red	na
chrUn	26792891	26794434	1544	SAT1_CF	blue	na
chrUn	26794476	26796610	2135	SAT1_CF	blue	na
chrUn	26796623	26797590	968	SAT1_CF	blue	na
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chrUn	26805450	26807078	1629	SAT1_CF	blue	na
chrUn	26807117	26807648	532	SAT1_CF	blue	na
chrUn	26807660	26807766	107	SAT1_CF	blue	na

chrUn	26807790	26809250	1461 SAT1_CF	blue	na
chrUn	26809266	26809532	267 SAT1_CF	blue	na
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chrUn	26810171	26810566	396 SAT1_CF	blue	na
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chrUn	26815115	26816208	1094 SAT1_CF	blue	na
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chrUn	26826439	26826838	400 SAT1_CF	blue	na
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chrUn	26828686	26830737	2052 SAT1_CF	blue	na
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chrUn	26835696	26838182	2487 SAT1_CF	blue	na
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chrUn	26838972	26840092	1121 SAT1_CF	blue	na
chrUn	26840104	26840213	110 SAT1_CF	blue	na
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chrUn	26840822	26842632	1811 SAT1_CF	blue	na
chrUn	26842680	26843181	502 SAT1_CF	blue	na
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chrUn	26843986	26844537	552 SAT1_CF	blue	na
chrUn	26844580	26845933	1354 SAT1_CF	blue	na
chrUn	26845945	26846050	106 SAT1_CF	blue	na
chrUn	26846074	26846565	492 SAT1_CF	blue	na
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chrUn	26847100	26847717	618 SAT1_CF	blue	na
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chrUn	26849678	26850102	425 SAT1_CF	blue	na
chrUn	26850123	26850631	509 SAT1_CF	blue	na
chrUn	26850644	26851542	899 SAT1_CF	blue	na
chrUn	26851571	26852089	519 SAT1_CF	blue	na
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chrUn	26856308	26857419	1112 SAT1_CF	blue	na
chrUn	26857462	26858045	584 SAT1_CF	blue	na
chrUn	26858057	26859655	1599 SAT1_CF	blue	na
chrUn	26859678	26860527	850 SAT1_CF	blue	na
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chrUn	26862014	26862418	405 SAT1_CF	blue	na
chrUn	26862456	26863674	1219 SAT1_CF	blue	na
chrUn	26863706	26864209	504 SAT1_CF	blue	na
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chrUn	26865088	26867162	2075 SAT1_CF	blue	na
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chrUn	26871455	26871772	318 SAT1_CF	blue	na
chrUn	26871825	26873016	1192 SAT1_CF	blue	na
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chrUn	26878889	26879564	676 SAT1_CF	blue	na
chrUn	26879607	26881643	2037 SAT1_CF	blue	na
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chrUn	26882202	26883286	1085 SAT1_CF	blue	na
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chrUn	26887180	26887786	607 SAT1_CF	blue	na
chrUn	26887798	26888471	674 SAT1_CF	blue	na
chrUn	26888514	26889053	540 SAT1_CF	blue	na
chrUn	26889071	26890581	1511 SAT1_CF	blue	na

chrUn	26890594	26891095	502 SAT1_CF	blue	na
chrUn	26891143	26891811	669 SAT1_CF	blue	na
chrUn	26891890	26892845	956 SAT1_CF	blue	na
chrUn	26892872	26893383	512 SAT1_CF	blue	na
chrUn	26893403	26894008	606 SAT1_CF	blue	na
chrUn	26894019	26894713	695 SAT1_CF	blue	na
chrUn	26894726	26895615	890 SAT1_CF	blue	na
chrUn	26895628	26896988	1361 SAT1_CF	blue	na
chrUn	26897001	26898836	1836 SAT1_CF	blue	na
chrUn	26898870	26899391	522 SAT1_CF	blue	na
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chrUn	26900022	26900131	110 SAT1_CF	blue	na
chrUn	26900151	26902521	2371 SAT1_CF	blue	na
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chrUn	26907088	26907587	500 SAT1_CF	blue	na
chrUn	26907600	26907716	117 SAT1_CF	blue	na
chrUn	26907730	26908206	477 SAT1_CF	blue	na
chrUn	26908218	26908320	103 SAT1_CF	blue	na
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chrUn	26925746	26926227	482 SAT1_CF	blue	na
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chrUn	26961528	26962028	501 SAT1_CF	blue	na
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chrUn	26963447	26964249	803 SAT1_CF	blue	na
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chrUn	26969714	26970212	499 SAT1_CF	blue	na
chrUn	26970225	26971163	939 SAT1_CF	blue	na
chrUn	26971234	26971747	514 SAT1_CF	blue	na
chrUn	26971761	26973122	1362 SAT1_CF	blue	na
chrUn	26973165	26974120	956 SAT1_CF	blue	na
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chrUn	26976173	26976280	108 SAT1_CF	blue	na
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chrUn	26976867	26976976	110 SAT1_CF	blue	na
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chrUn	27063728	27063796	69 SAT1_CF	blue	na
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chrUn	27441624	27442843	1220 Sat2CF	purple	na
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chrUn	27442716	27442863	148 Sat2CF	purple	na
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chrUn	27498520	27498912	393 Sat2CF	purple	na
chrUn	27498594	27499304	711 Sat2CF	purple	na
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chrUn	27517366	27520758	3393	SAT1_CF	blue	na
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chrUn	27521476	27522030	555	SAT1_CF	blue	na
chrUn	27522042	27522950	909	SAT1_CF	blue	na
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chrUn	27536258	27537198	941	SAT1_CF	blue	na
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chrUn	27538181	27538870	690	SAT1_CF	blue	na
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chrUn	28679108	28679639	532 CarSat1	red	na
chrUn	28700829	28702007	1179 Sat2CF	purple	na

chrUn	28723069	28724178	1110 Sat2CF	purple	na
chrUn	28742281	28742575	295 Sat2CF	purple	na
chrUn	28742327	28743026	700 Sat2CF	purple	na
chrUn	28742892	28743054	163 Sat2CF	purple	na
chrUn	28763069	28764225	1157 Sat2CF	purple	na
chrUn	28763091	28764088	998 Sat2CF	purple	na
chrUn	28786175	28786940	766 Sat2CF	purple	na
chrUn	28801843	28802424	582 CarSat1	red	na
chrUn	28802446	28804030	1585 CarSat1	red	na
chrUn	28804051	28806025	1975 CarSat1	red	na
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chrUn	28806511	28809308	2798 SAT1_CF	blue	na
chrUn	28809348	28810403	1056 SAT1_CF	blue	na
chrUn	28810398	28811117	720 CarSat1	red	na
chrUn	28811269	28811564	296 CarSat1	red	na
chrUn	28813245	28814460	1216 SAT1_CF	blue	na
chrUn	28814641	28814826	186 SAT1_CF	blue	na
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chrUn	28816072	28816406	335 SAT1_CF	blue	na
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chrUn	28819479	28820165	687 SAT1_CF	blue	na
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chrUn	28824944	28825441	498 SAT1_CF	blue	na
chrUn	28825459	28825561	103 SAT1_CF	blue	na
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chrUn	28829935	28830620	686 SAT1_CF	blue	na
chrUn	28830642	28831307	666 SAT1_CF	blue	na
chrUn	28831352	28832680	1329 SAT1_CF	blue	na

chrUn	28832692	28833553	862 SAT1_CF	blue	na
chrUn	28833566	28833674	109 SAT1_CF	blue	na
chrUn	28833695	28835552	1858 SAT1_CF	blue	na
chrUn	28835565	28838252	2688 SAT1_CF	blue	na
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chrUn	28857787	28858626	840 SAT1_CF	blue	na
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chrUn	28862920	28863720	801 SAT1_CF	blue	na
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chrUn	28865499	28866074	576 SAT1_CF	blue	na
chrUn	28866096	28866770	675 SAT1_CF	blue	na
chrUn	28866782	28867644	863 SAT1_CF	blue	na
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chrUn	28881140	28881824	685 SAT1_CF	blue	na
chrUn	28881867	28883238	1372 SAT1_CF	blue	na
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chrUn	28884316	28884904	589 SAT1_CF	blue	na
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chrUn	28891691	28892317	627 SAT1_CF	blue	na
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chrUn	28893020	28893582	563 SAT1_CF	blue	na
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chrUn	28898314	28898815	502 SAT1_CF	blue	na
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chrUn	28944706	28944863	158 SAT1_CF	blue	na
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chrUn	28945551	28946303	753 SAT1_CF	blue	na
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chrUn	28962742	28963937	1196 SAT1_CF	blue	na
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chrUn	28981421	28982563	1143 SAT1_CF	blue	na
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chrUn	28983120	28983799	680 SAT1_CF	blue	na
chrUn	28983812	28983887	76 SAT1_CF	blue	na
chrUn	28983905	28984413	509 SAT1_CF	blue	na
chrUn	28984425	28986106	1682 SAT1_CF	blue	na
chrUn	28986185	28986731	547 SAT1_CF	blue	na
chrUn	28986774	28987312	539 SAT1_CF	blue	na
chrUn	28987393	28987930	538 SAT1_CF	blue	na
chrUn	28987947	28988607	661 SAT1_CF	blue	na
chrUn	28988655	28989188	534 SAT1_CF	blue	na
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chrUn	28991497	28992772	1276 SAT1_CF	blue	na
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chrUn	29236836	29237509	674 Sat7CF	lime	na
chrUn	29239817	29239868	52 Sat109CF	na	na
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chrUn	29344043	29344711	669 Sat7CF	lime	na
chrUn	29344121	29344704	584 Sat7CF	lime	na
chrUn	29393654	29394902	1249 Sat2CF	purple	na
chrUn	29408189	29409357	1169 Sat2CF	purple	na
chrUn	29409249	29409373	125 Sat2CF	purple	na
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chrUn	29439751	29441003	1253 Sat2CF	purple	na
chrUn	29457866	29459034	1169 Sat2CF	purple	na
chrUn	29458926	29459050	125 Sat2CF	purple	na
chrUn	29474138	29474969	832 Sat2CF	purple	na
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chrUn	29534904	29536058	1155 Sat2CF	purple	na
chrUn	29562049	29562926	878 CarSat1	red	na
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chrUn	29567879	29569467	1589	CarSat1	red	na
chrUn	29569498	29571086	1589	CarSat1	red	na
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chrUn	29572736	29574324	1589	CarSat1	red	na
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chrUn	29575974	29577562	1589	CarSat1	red	na
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chrUn	29590016	29590997	982	CarSat1	red	na
chrUn	29591031	29591438	408	CarSat1	red	na
chrUn	29597225	29598237	1013	Sat2CF	purple	na
chrUn	29597288	29598151	864	Sat2CF	purple	na
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chrUn	29598466	29599046	581	SAT1_CF	blue	na
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chrUn	29613236	29613686	451	CarSat1	red	na
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chrUn	29617590	29617808	219	Sat2CF	purple	na
chrUn	29617648	29618897	1250	Sat2CF	purple	na
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chrUn	29635263	29635431	169	Sat2CF	purple	na
chrUn	29635305	29636103	799	Sat2CF	purple	na
chrUn	29651023	29651200	178	Sat2CF	purple	na
chrUn	29651071	29651625	555	Sat2CF	purple	na
chrUn	29660515	29661692	1178	Sat2CF	purple	na
chrUn	29660562	29661565	1004	Sat2CF	purple	na
chrUn	29679969	29681121	1153	Sat2CF	purple	na
chrUn	29694288	29694466	179	Sat2CF	purple	na
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chrUn	29716502	29717205	704	CarSat1	red	na
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chrUn	29719713	29720568	856	CarSat1	red	na
chrUn	29720589	29721367	779	CarSat1	red	na
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chrUn	29722224	29722840	617	SAT1_CF	blue	na
chrUn	29722835	29723559	725	CarSat1	red	na
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chrUn	29727292	29727895	604	SAT1_CF	blue	na
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chrUn	29728625	29729620	996	SAT1_CF	blue	na
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chrUn	29734159	29734811	653	SAT1_CF	blue	na
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chrUn	29747709	29748383	675	SAT1_CF	blue	na
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chrUn	29749114	29750079	966	SAT1_CF	blue	na
chrUn	29750158	29751112	955	SAT1_CF	blue	na
chrUn	29751152	29751653	502	SAT1_CF	blue	na
chrUn	29751680	29752350	671	SAT1_CF	blue	na

chrUn	29752362	29753402	1041 SAT1_CF	blue	na
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chrUn	29755765	29756448	684 SAT1_CF	blue	na
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chrUn	29761711	29762253	543 SAT1_CF	blue	na
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chrUn	29766565	29767241	677 SAT1_CF	blue	na
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chrUn	29846214	29847046	833 SAT1_CF	blue	na
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chrUn	30373976	30374092	117 SAT1_CF	blue	na
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chrUn	30450484	30451004	521 SAT1_CF	blue	na
chrUn	30451120	30451475	356 SAT1_CF	blue	na
chrUn	30451488	30452456	969 SAT1_CF	blue	na
chrUn	30452499	30453865	1367 SAT1_CF	blue	na
chrUn	30453877	30454346	470 SAT1_CF	blue	na
chrUn	30454368	30454474	107 SAT1_CF	blue	na
chrUn	30454487	30454987	501 SAT1_CF	blue	na
chrUn	30455032	30455189	158 SAT1_CF	blue	na
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chrUn	30462508	30463203	696 SAT1_CF	blue	na
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chrUn	30466883	30468754	1872 SAT1_CF	blue	na
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chrUn	30471166	30471668	503 SAT1_CF	blue	na
chrUn	30471734	30471870	137 SAT1_CF	blue	na
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chrUn	30646679	30647533	855 SAT1_CF	blue	na
chrUn	30647546	30648892	1347 SAT1_CF	blue	na
chrUn	30648989	30649971	983 SAT1_CF	blue	na
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chrUn	30652806	30653358	553 SAT1_CF	blue	na
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chrUn	30671493	30672324	832 SAT1_CF	blue	na
chrUn	30672337	30672444	108 SAT1_CF	blue	na
chrUn	30672466	30673040	575 SAT1_CF	blue	na
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chrUn	30680470	30681150	681 SAT1_CF	blue	na
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chrUn	30692245	30692848	604 SAT1_CF	blue	na
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chrUn	30692988	30693540	553 SAT1_CF	blue	na
chrUn	30693552	30694417	866 SAT1_CF	blue	na
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chrUn	30706212	30706776	565 SAT1_CF	blue	na
chrUn	30706834	30707355	522 SAT1_CF	blue	na
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chrUn	30739846	30741882	2037 SAT1_CF	blue	na
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chrUn	30755639	30756049	411 SAT1_CF	blue	na
chrUn	30756241	30757321	1081 SAT1_CF	blue	na
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chrUn	30790907	30792110	1204 Sat2CF	purple	na
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chrUn	31065218	31065395	178 Sat2CF	purple	na
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chrUn	31078570	31079419	850 Sat2CF	purple	na
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chrUn	31161756	31162458	703 CarSat1	red	na
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chrUn	31171412	31171782	371 SAT1_CF	blue	na
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chrUn	31173750	31174970	1221 SAT1_CF	blue	na
chrUn	31175051	31175575	525 SAT1_CF	blue	na
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chrUn	31175773	31176948	1176 SAT1_CF	blue	na
chrUn	31176961	31177792	832 SAT1_CF	blue	na
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chrUn	31252709	31253023	315 SAT1_CF	blue	na
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chrUn	31254819	31255246	428 SAT1_CF	blue	na
chrUn	31255333	31255833	501 SAT1_CF	blue	na
chrUn	31255850	31256437	588 SAT1_CF	blue	na
chrUn	31256449	31257091	643 SAT1_CF	blue	na
chrUn	31257288	31257533	246 SAT1_CF	blue	na
chrUn	31257575	31259271	1697 SAT1_CF	blue	na
chrUn	31259453	31259636	184 SAT1_CF	blue	na
chrUn	31259657	31261342	1686 SAT1_CF	blue	na
chrUn	31261357	31262059	703 SAT1_CF	blue	na
chrUn	31262072	31263297	1226 SAT1_CF	blue	na
chrUn	31263346	31263438	93 SAT1_CF	blue	na
chrUn	31263495	31264053	559 SAT1_CF	blue	na
chrUn	31264065	31265781	1717 SAT1_CF	blue	na
chrUn	31265807	31266441	635 SAT1_CF	blue	na
chrUn	31266454	31266809	356 SAT1_CF	blue	na
chrUn	31266926	31267396	471 SAT1_CF	blue	na
chrUn	31267475	31268547	1073 SAT1_CF	blue	na
chrUn	31268561	31269487	927 SAT1_CF	blue	na
chrUn	31269536	31270158	623 SAT1_CF	blue	na
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chrUn	31270858	31271394	537 SAT1_CF	blue	na
chrUn	31271443	31272047	605 SAT1_CF	blue	na
chrUn	31272077	31272590	514 SAT1_CF	blue	na
chrUn	31272603	31273963	1361 SAT1_CF	blue	na
chrUn	31273978	31274679	702 SAT1_CF	blue	na
chrUn	31274691	31275376	686 SAT1_CF	blue	na
chrUn	31275389	31276063	675 SAT1_CF	blue	na
chrUn	31276107	31278040	1934 SAT1_CF	blue	na
chrUn	31278661	31279148	488 SAT1_CF	blue	na
chrUn	31279208	31279682	475 SAT1_CF	blue	na
chrUn	31279703	31280393	691 SAT1_CF	blue	na
chrUn	31280405	31280521	117 SAT1_CF	blue	na
chrUn	31280534	31281079	546 SAT1_CF	blue	na
chrUn	31281123	31283165	2043 SAT1_CF	blue	na
chrUn	31283220	31283698	479 SAT1_CF	blue	na
chrUn	31283711	31283816	106 SAT1_CF	blue	na
chrUn	31283839	31285014	1176 SAT1_CF	blue	na
chrUn	31285047	31285748	702 SAT1_CF	blue	na
chrUn	31285761	31286830	1070 SAT1_CF	blue	na
chrUn	31286842	31287403	562 SAT1_CF	blue	na
chrUn	31287417	31288098	682 SAT1_CF	blue	na
chrUn	31288111	31289381	1271 SAT1_CF	blue	na

chrUn	31289395	31290701	1307 SAT1_CF	blue	na
chrUn	31290713	31291515	803 SAT1_CF	blue	na
chrUn	31291545	31292714	1170 SAT1_CF	blue	na
chrUn	31292725	31293975	1251 SAT1_CF	blue	na
chrUn	31409066	31409998	933 Carsat2	orange	na
chrUn	31410084	31411191	1108 Carsat2	orange	na
chrUn	31423423	31423714	292 SAT1_CF	blue	na
chrUn	31423774	31424451	678 SAT1_CF	blue	na
chrUn	31424463	31425017	555 SAT1_CF	blue	na
chrUn	31425040	31425146	107 SAT1_CF	blue	na
chrUn	31425159	31425680	522 SAT1_CF	blue	na
chrUn	31425747	31426658	912 SAT1_CF	blue	na
chrUn	31426773	31427735	963 SAT1_CF	blue	na
chrUn	31427779	31429226	1448 SAT1_CF	blue	na
chrUn	31429249	31429279	31 SAT1_CF	blue	na
chrUn	31433887	31435232	1346 SAT1_CF	blue	na
chrUn	31435287	31435961	675 SAT1_CF	blue	na
chrUn	31435974	31437299	1326 SAT1_CF	blue	na
chrUn	31437322	31437427	106 SAT1_CF	blue	na
chrUn	31437440	31438121	682 SAT1_CF	blue	na
chrUn	31438134	31438654	521 SAT1_CF	blue	na
chrUn	31438722	31441216	2495 SAT1_CF	blue	na
chrUn	31441229	31441749	521 SAT1_CF	blue	na
chrUn	31441775	31441931	157 SAT1_CF	blue	na
chrUn	31441983	31444301	2319 SAT1_CF	blue	na
chrUn	31444323	31444897	575 SAT1_CF	blue	na
chrUn	31444960	31445026	67 SAT1_CF	blue	na
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chrUn	31445667	31446174	508 SAT1_CF	blue	na
chrUn	31446217	31446875	659 SAT1_CF	blue	na
chrUn	31446887	31447427	541 SAT1_CF	blue	na
chrUn	31447471	31448261	791 SAT1_CF	blue	na
chrUn	31448304	31449164	861 SAT1_CF	blue	na
chrUn	31449176	31449690	515 SAT1_CF	blue	na
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chrUn	31450575	31451076	502 SAT1_CF	blue	na
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chrUn	31452983	31453499	517 SAT1_CF	blue	na
chrUn	31453514	31453706	193 SAT1_CF	blue	na
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chrUn	31456546	31457081	536 SAT1_CF	blue	na
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chrUn	31458407	31459805	1399 SAT1_CF	blue	na
chrUn	31459819	31460320	502 SAT1_CF	blue	na
chrUn	31460365	31461023	659 SAT1_CF	blue	na
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chrUn	31463562	31464229	668 SAT1_CF	blue	na
chrUn	31464271	31465199	929 SAT1_CF	blue	na
chrUn	31465249	31466512	1264 SAT1_CF	blue	na
chrUn	31466524	31467285	762 SAT1_CF	blue	na
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chrUn	31467839	31468238	400 SAT1_CF	blue	na
chrUn	31468249	31468955	707 SAT1_CF	blue	na
chrUn	31469040	31469693	654 SAT1_CF	blue	na
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chrUn	31471313	31471461	149 SAT1_CF	blue	na
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chrUn	31473374	31474868	1495 SAT1_CF	blue	na
chrUn	31474890	31475416	527 SAT1_CF	blue	na
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chrUn	31476148	31477272	1125 SAT1_CF	blue	na
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chrUn	31478347	31478672	326 SAT1_CF	blue	na
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chrUn	31480044	31481168	1125 SAT1_CF	blue	na
chrUn	31481255	31481582	328 SAT1_CF	blue	na
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chrUn	31482243	31482568	326 SAT1_CF	blue	na
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chrUn	31483932	31484614	683 SAT1_CF	blue	na
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chrUn	31485194	31485330	137 SAT1_CF	blue	na
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chrUn	31486517	31487059	543 SAT1_CF	blue	na
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chrUn	31488892	31490169	1278 SAT1_CF	blue	na
chrUn	31490213	31490723	511 SAT1_CF	blue	na
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chrUn	31492374	31493176	803 SAT1_CF	blue	na
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chrUn	31493766	31493874	109 SAT1_CF	blue	na
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chrUn	31548369	31549038	670 SAT1_CF	blue	na
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chrUn	31686666	31687384	719 CarSat1	red	na
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chrUn	31692918	31694428	1511 CarSat1	red	na

chrUn	31694512	31695304	793	CarSat1	red	na
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chrUn	31696249	31697431	1183	Sat2CF	purple	na
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chrUn	31823346	31823848	503	SAT1_CF	blue	na
chrUn	31823884	31824069	186	SAT1_CF	blue	na
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chrUn	31832124	31833320	1197	SAT1_CF	blue	na
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chrUn	31838014	31838688	675	SAT1_CF	blue	na
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chrUn	31841839	31843130	1292	SAT1_CF	blue	na
chrUn	31843143	31843520	378	SAT1_CF	blue	na
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chrUn	31884159	31886595	2437 SAT1_CF	blue	na
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chrUn	31887873	31889508	1636 SAT1_CF	blue	na
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chrUn	31893988	31895537	1550 SAT1_CF	blue	na
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chrUn	31896266	31896871	606 SAT1_CF	blue	na
chrUn	31896884	31898997	2114 SAT1_CF	blue	na
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chrUn	31902771	31903676	906 SAT1_CF	blue	na
chrUn	31903688	31904904	1217 SAT1_CF	blue	na
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chrUn	31924614	31925453	840 SAT1_CF	blue	na
chrUn	31925466	31925968	503 SAT1_CF	blue	na
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chrUn	31927216	31927899	684 SAT1_CF	blue	na
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chrUn	31928455	31929936	1482 SAT1_CF	blue	na
chrUn	31929953	31930489	537 SAT1_CF	blue	na
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chrUn	31931465	31932760	1296 SAT1_CF	blue	na
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chrUn	31934189	31934690	502 SAT1_CF	blue	na
chrUn	31934735	31934892	158 SAT1_CF	blue	na
chrUn	31934943	31935431	489 SAT1_CF	blue	na
chrUn	31935511	31936194	684 SAT1_CF	blue	na
chrUn	31936207	31938019	1813 SAT1_CF	blue	na
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chrUn	31938556	31939592	1037 SAT1_CF	blue	na
chrUn	31992823	31993060	238 Sat7CF	lime	na
chrUn	31992854	31993158	305 Sat7CF	lime	na
chrUn	32056502	32057171	670 Sat7CF	lime	na
chrUn	32096534	32097710	1177 Sat2CF	purple	na
chrUn	32119131	32119330	200 Sat2CF	purple	na
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chrUn	32154239	32154975	737 Sat2CF	purple	na
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chrUn	32175666	32176619	954 Sat2CF	purple	na
chrUn	32175746	32176484	739 Sat2CF	purple	na
chrUn	32194626	32195803	1178 Sat2CF	purple	na
chrUn	32292423	32292822	400 Sat7CF	lime	na
chrUn	32444289	32444918	630 SAT1_CF	blue	na
chrUn	32445128	32445283	156 SAT1_CF	blue	na
chrUn	32445309	32445821	513 SAT1_CF	blue	na
chrUn	32445850	32446510	661 SAT1_CF	blue	na
chrUn	32446556	32447934	1379 SAT1_CF	blue	na
chrUn	32448123	32448624	502 SAT1_CF	blue	na
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chrUn	32449410	32450084	675 SAT1_CF	blue	na

chrUn	32450128	32452672	2545 SAT1_CF	blue	na
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chrUn	32456049	32457311	1263 SAT1_CF	blue	na
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chrUn	32458792	32460235	1444 SAT1_CF	blue	na
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chrUn	32461409	32461545	137 SAT1_CF	blue	na
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chrUn	32463447	32464512	1066 SAT1_CF	blue	na
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chrUn	32465484	32465593	110 SAT1_CF	blue	na
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chrUn	32466357	32466863	507 SAT1_CF	blue	na
chrUn	32466877	32467281	405 SAT1_CF	blue	na
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chrUn	32473033	32473533	501 SAT1_CF	blue	na
chrUn	32473547	32474230	684 SAT1_CF	blue	na
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chrUn	32478670	32479352	683 SAT1_CF	blue	na
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chrUn	32479976	32482399	2424 SAT1_CF	blue	na
chrUn	32482444	32483431	988 SAT1_CF	blue	na
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chrUn	32484483	32484983	501 SAT1_CF	blue	na
chrUn	32485010	32485758	749 SAT1_CF	blue	na
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chrUn	32486455	32487102	648 SAT1_CF	blue	na
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chrUn	32487551	32488071	521 SAT1_CF	blue	na
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chrUn	32489041	32489144	104 SAT1_CF	blue	na
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chrUn	32489751	32490411	661 SAT1_CF	blue	na
chrUn	32490459	32491439	981 SAT1_CF	blue	na
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chrUn	32492514	32493034	521 SAT1_CF	blue	na
chrUn	32493047	32493719	673 SAT1_CF	blue	na
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chrUn	32495873	32497601	1729 SAT1_CF	blue	na
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chrUn	32501440	32503069	1630 SAT1_CF	blue	na
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chrUn	32506667	32507727	1061 SAT1_CF	blue	na
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chrUn	32508333	32511045	2713 SAT1_CF	blue	na
chrUn	32511126	32511685	560 SAT1_CF	blue	na
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chrUn	32512322	32512997	676 SAT1_CF	blue	na
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chrUn	32522427	32523100	674 SAT1_CF	blue	na
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chrUn	32525906	32526415	510 SAT1_CF	blue	na
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chrUn	32555378	32556192	815 SAT1_CF	blue	na
chrUn	32557198	32558238	1041 CarSat1	red	na
chrUn	32558272	32558980	709 CarSat1	red	na
chrUn	32559004	32559940	937 CarSat1	red	na

chrUn	32559955	32560082	128	Carsat2	orange	na
chrUn	32559970	32560678	709	CarSat1	red	na
chrUn	32560693	32560820	128	Carsat2	orange	na
chrUn	32560708	32562151	1444	CarSat1	red	na
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chrUn	32562181	32564366	2186	CarSat1	red	na
chrUn	32564377	32564507	131	Carsat2	orange	na
chrUn	32564396	32565823	1428	CarSat1	red	na
chrUn	32566965	32570321	3357	CarSat1	red	na
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chrUn	32571300	32571426	127	Carsat2	orange	na
chrUn	32571315	32572021	707	CarSat1	red	na
chrUn	32572051	32572759	709	CarSat1	red	na
chrUn	32572774	32572900	127	Carsat2	orange	na
chrUn	32572789	32574971	2183	CarSat1	red	na
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chrUn	32575001	32575709	709	CarSat1	red	na
chrUn	32575739	32577187	1449	CarSat1	red	na
chrUn	32577217	32577924	708	CarSat1	red	na
chrUn	32577953	32579365	1413	CarSat1	red	na
chrUn	32579798	32581615	1818	CarSat1	red	na
chrUn	32581630	32581756	127	Carsat2	orange	na
chrUn	32581645	32583355	1711	CarSat1	red	na
chrUn	32583382	32584558	1177	CarSat1	red	na
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chrUn	32597855	32597980	126	Carsat2	orange	na
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chrUn	32606961	32607936	976	CarSat1	red	na
chrUn	32607960	32608857	898	CarSat1	red	na
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chrUn	32613304	32613430	127	Carsat2	orange	na
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chrUn	32622879	32623006	128	Carsat2	orange	na
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chrUn	32629500	32629627	128	Carsat2	orange	na
chrUn	32629515	32631220	1706	CarSat1	red	na
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chrUn	32632458	32633017	560	CarSat1	red	na
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chrUn	32640547	32645451	4905	CarSat1	red	na
chrUn	32645475	32647415	1941	CarSat1	red	na
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chrUn	32660670	32661381	712	CarSat1	red	na
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chrUn	32663015	32664020	1006	CarSat1	red	na
chrUn	32664047	32665225	1179	CarSat1	red	na
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chrUn	32669074	32669769	696	CarSat1	red	na
chrUn	32669794	32671724	1931	CarSat1	red	na
chrUn	32671751	32673364	1614	CarSat1	red	na
chrUn	32788268	32788542	275	SAT1_CF	blue	na
chrUn	32788563	32789105	543	SAT1_CF	blue	na
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chrUn	32804566	32805066	501	SAT1_CF	blue	na
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chrUn	32813142	32813634	493	SAT1_CF	blue	na
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chrUn	32823396	32824579	1184 SAT1_CF	blue	na
chrUn	32824591	32826352	1762 SAT1_CF	blue	na
chrUn	32826364	32827039	676 SAT1_CF	blue	na
chrUn	32827082	32828046	965 SAT1_CF	blue	na
chrUn	32828088	32829106	1019 SAT1_CF	blue	na
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chrUn	32831084	32831609	526 SAT1_CF	blue	na
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chrUn	32832285	32832601	317 SAT1_CF	blue	na
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chrUn	32833257	32834494	1238 SAT1_CF	blue	na
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chrUn	32835285	32836047	763 SAT1_CF	blue	na
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chrUn	32840677	32841901	1225 SAT1_CF	blue	na
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chrUn	32845699	32846849	1151 SAT1_CF	blue	na
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chrUn	32849553	32850080	528 SAT1_CF	blue	na
chrUn	32850092	32851278	1187 SAT1_CF	blue	na
chrUn	32851365	32851857	493 SAT1_CF	blue	na
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chrUn	32852005	32856133	4129 SAT1_CF	blue	na

chrUn	32856145	32857947	1803 SAT1_CF	blue	na
chrUn	32858027	32858192	166 SAT1_CF	blue	na
chrUn	32858372	32858556	185 SAT1_CF	blue	na
chrUn	32858592	32859091	500 SAT1_CF	blue	na
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chrUn	32861514	32862026	513 SAT1_CF	blue	na
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chrUn	32862173	32862727	555 SAT1_CF	blue	na
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chrUn	32876412	32877300	889 SAT1_CF	blue	na
chrUn	32877417	32877933	517 SAT1_CF	blue	na
chrUn	32877991	32878537	547 SAT1_CF	blue	na
chrUn	32878580	32879236	657 SAT1_CF	blue	na
chrUn	32879255	32879810	556 SAT1_CF	blue	na
chrUn	32879839	32881513	1675 SAT1_CF	blue	na
chrUn	32881558	32882632	1075 SAT1_CF	blue	na
chrUn	32882677	32883185	509 SAT1_CF	blue	na
chrUn	32883198	32883386	189 SAT1_CF	blue	na
chrUn	32883438	32884138	701 SAT1_CF	blue	na
chrUn	32884150	32884256	107 SAT1_CF	blue	na
chrUn	32884279	32884907	629 SAT1_CF	blue	na

chrUn	32884943	32885789	847 SAT1_CF	blue	na
chrUn	32885807	32886493	687 SAT1_CF	blue	na
chrUn	32886505	32887354	850 SAT1_CF	blue	na
chrUn	32887438	32887982	545 SAT1_CF	blue	na
chrUn	32888025	32888381	357 SAT1_CF	blue	na
chrUn	32888397	32889285	889 SAT1_CF	blue	na
chrUn	32889402	32889918	517 SAT1_CF	blue	na
chrUn	32889976	32890522	547 SAT1_CF	blue	na
chrUn	32890565	32891221	657 SAT1_CF	blue	na
chrUn	32891240	32891795	556 SAT1_CF	blue	na
chrUn	32891824	32894508	2685 SAT1_CF	blue	na
chrUn	32894575	32895170	596 SAT1_CF	blue	na
chrUn	32895183	32895371	189 SAT1_CF	blue	na
chrUn	32895423	32896123	701 SAT1_CF	blue	na
chrUn	32896135	32896241	107 SAT1_CF	blue	na
chrUn	32896264	32896890	627 SAT1_CF	blue	na
chrUn	32896926	32897043	118 SAT1_CF	blue	na
chrUn	32898743	32899181	439 CarSat1	red	na
chrUn	32899202	32900056	855 CarSat1	red	na
chrUn	32900077	32900872	796 CarSat1	red	na
chrUn	32900890	32901657	768 CarSat1	red	na
chrUn	32901687	32902391	705 CarSat1	red	na
chrUn	32923104	32923874	771 Sat2CF	purple	na
chrUn	32937010	32938238	1229 Sat2CF	purple	na
chrUn	32957724	32958587	864 Sat2CF	purple	na
chrUn	32957800	32958525	726 Sat2CF	purple	na
chrUn	32971546	32972797	1252 Sat2CF	purple	na
chrUn	32973116	32974386	1271 CarSat1	red	na
chrUn	32974407	32975892	1486 CarSat1	red	na
chrUn	32984444	32985044	601 CarSat1	red	na
chrUn	32985061	32985158	98 CarSat1	red	na
chrUn	32985352	32988426	3075 CarSat1	red	na
chrUn	32988450	32991134	2685 CarSat1	red	na
chrUn	32991327	32993047	1721 CarSat1	red	na
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chrUn	32996230	32999141	2912 CarSat1	red	na
chrUn	32999158	32999285	128 Carsat2	orange	na
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chrUn	33012326	33013538	1213 Sat2CF	purple	na
chrUn	33034878	33036009	1132 Sat2CF	purple	na

chrUn	33035561	33036059	499 Sat2CF	purple	na
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chrUn	33069260	33069650	391 Sat2CF	purple	na
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chrUn	33119226	33120076	851 SAT1_CF	blue	na
chrUn	33120088	33120765	678 SAT1_CF	blue	na
chrUn	33120792	33121335	544 SAT1_CF	blue	na
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chrUn	33121947	33122548	602 SAT1_CF	blue	na
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chrUn	33124666	33125333	668 SAT1_CF	blue	na
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chrUn	33128580	33129072	493 SAT1_CF	blue	na
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chrUn	33130829	33131463	635 SAT1_CF	blue	na
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chrUn	33132204	33133410	1207 SAT1_CF	blue	na
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chrUn	33136039	33136712	674 SAT1_CF	blue	na
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chrUn	33138471	33139321	851 SAT1_CF	blue	na
chrUn	33139334	33139856	523 SAT1_CF	blue	na
chrUn	33139883	33140147	265 SAT1_CF	blue	na
chrUn	33140174	33140676	503 SAT1_CF	blue	na
chrUn	33140714	33141676	963 SAT1_CF	blue	na
chrUn	33141755	33142080	326 SAT1_CF	blue	na
chrUn	33142104	33143434	1331 SAT1_CF	blue	na

chrUn	33143446	33143997	552 SAT1_CF	blue	na
chrUn	33144016	33144430	415 SAT1_CF	blue	na
chrUn	33144448	33145038	591 SAT1_CF	blue	na
chrUn	33145065	33145567	503 SAT1_CF	blue	na
chrUn	33145620	33146503	884 SAT1_CF	blue	na
chrUn	33146535	33147349	815 SAT1_CF	blue	na
chrUn	33147391	33148139	749 SAT1_CF	blue	na
chrUn	33148152	33148634	483 SAT1_CF	blue	na
chrUn	33148718	33149060	343 SAT1_CF	blue	na
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chrUn	33161558	33161762	205 SAT1_CF	blue	na
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chrUn	33163376	33163931	556 SAT1_CF	blue	na
chrUn	33163952	33164059	108 SAT1_CF	blue	na
chrUn	33164079	33164573	495 SAT1_CF	blue	na
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chrUn	33165028	33165921	894 SAT1_CF	blue	na
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chrUn	33170939	33171560	622 SAT1_CF	blue	na
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chrUn	33171701	33172306	606 SAT1_CF	blue	na
chrUn	33172319	33172839	521 SAT1_CF	blue	na

chrUn	33172907	33175483	2577 SAT1_CF	blue	na
chrUn	33175503	33175998	496 SAT1_CF	blue	na
chrUn	33176084	33176960	877 SAT1_CF	blue	na
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chrUn	33181882	33182558	677 SAT1_CF	blue	na
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chrUn	33183119	33183470	352 SAT1_CF	blue	na
chrUn	33184878	33186811	1934 SAT1_CF	blue	na
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chrUn	33220000	33221124	1125 SAT1_CF	blue	na
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chrUn	33245046	33245600	555	SAT1_CF	blue	na
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chrUn	33250454	33250776	323	SAT1_CF	blue	na
chrUn	33250788	33250897	110	SAT1_CF	blue	na
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chrUn	33251508	33252235	728	SAT1_CF	blue	na
chrUn	33252300	33254079	1780	SAT1_CF	blue	na
chrUn	33254102	33254768	667	SAT1_CF	blue	na
chrUn	33254811	33255337	527	SAT1_CF	blue	na
chrUn	33255358	33256440	1083	SAT1_CF	blue	na
chrUn	33256451	33256852	402	SAT1_CF	blue	na
chrUn	33256892	33257394	503	SAT1_CF	blue	na
chrUn	33257407	33257601	195	SAT1_CF	blue	na
chrUn	33257617	33258162	546	SAT1_CF	blue	na
chrUn	33258204	33258748	545	SAT1_CF	blue	na
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chrUn	33261203	33261750	548	SAT1_CF	blue	na
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chrUn	33264593	33264958	366	SAT1_CF	blue	na
chrUn	33265030	33265549	520	SAT1_CF	blue	na
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chrUn	33266193	33267601	1409	SAT1_CF	blue	na
chrUn	33267645	33268013	369	SAT1_CF	blue	na
chrUn	33268053	33268554	502	SAT1_CF	blue	na
chrUn	33268576	33268679	104	SAT1_CF	blue	na
chrUn	33268696	33269325	630	SAT1_CF	blue	na
chrUn	33269339	33269951	613	SAT1_CF	blue	na
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chrUn	33270898	33271444	547	SAT1_CF	blue	na
chrUn	33271575	33272054	480	SAT1_CF	blue	na
chrUn	33272134	33272657	524	SAT1_CF	blue	na

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chrUn	33303113	33303936	824 SAT1_CF	blue	na
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chrUn	33305839	33307211	1373 SAT1_CF	blue	na
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chrUn	33308372	33308919	548 SAT1_CF	blue	na
chrUn	33308947	33309083	137 SAT1_CF	blue	na
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chrUn	33309673	33310346	674 SAT1_CF	blue	na
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chrUn	33327503	33328036	534 SAT1_CF	blue	na
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chrUn	33330111	33331711	1601 SAT1_CF	blue	na
chrUn	33331737	33332282	546 SAT1_CF	blue	na
chrUn	33332327	33332958	632 SAT1_CF	blue	na
chrUn	33332986	33333548	563 SAT1_CF	blue	na
chrUn	33333628	33334137	510 SAT1_CF	blue	na
chrUn	33334165	33334298	134 SAT1_CF	blue	na
chrUn	33334356	33336240	1885 SAT1_CF	blue	na
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chrUn	33338179	33338678	500 SAT1_CF	blue	na

chrUn	33338705	33340715	2011 SAT1_CF	blue	na
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chrUn	33341260	33341760	501 SAT1_CF	blue	na
chrUn	33341773	33342456	684 SAT1_CF	blue	na
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chrUn	33344585	33344675	91 SAT1_CF	blue	na
chrUn	33344699	33345251	553 SAT1_CF	blue	na
chrUn	33345263	33345938	676 SAT1_CF	blue	na
chrUn	33345981	33348019	2039 SAT1_CF	blue	na
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chrUn	33349290	33349921	632 SAT1_CF	blue	na
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chrUn	33351205	33351730	526 SAT1_CF	blue	na
chrUn	33351748	33352263	516 SAT1_CF	blue	na
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chrUn	33352872	33354230	1359 SAT1_CF	blue	na
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chrUn	33356664	33358692	2029 SAT1_CF	blue	na
chrUn	33358771	33359331	561 SAT1_CF	blue	na
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chrUn	33360484	33360981	498 SAT1_CF	blue	na
chrUn	33360999	33361669	671 SAT1_CF	blue	na
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chrUn	33362192	33362726	535 SAT1_CF	blue	na
chrUn	33362770	33363738	969 SAT1_CF	blue	na
chrUn	33363750	33364427	678 SAT1_CF	blue	na
chrUn	33364446	33365151	706 SAT1_CF	blue	na
chrUn	33365229	33365941	713 SAT1_CF	blue	na
chrUn	33365988	33366501	514 SAT1_CF	blue	na
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chrUn	33367345	33368588	1244 SAT1_CF	blue	na
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chrUn	33370296	33370615	320 SAT1_CF	blue	na
chrUn	33370668	33371168	501 SAT1_CF	blue	na
chrUn	33371180	33371863	684 SAT1_CF	blue	na
chrUn	33371877	33373658	1782 SAT1_CF	blue	na

chrUn	33373671	33374025	355 SAT1_CF	blue	na
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chrUn	33374755	33375316	562 SAT1_CF	blue	na
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chrUn	33376217	33376760	544 SAT1_CF	blue	na
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chrUn	33378699	33379499	801 SAT1_CF	blue	na
chrUn	33379525	33381245	1721 SAT1_CF	blue	na
chrUn	33381257	33381330	74 SAT1_CF	blue	na
chrUn	33381386	33381940	555 SAT1_CF	blue	na
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chrUn	33384458	33384565	108 SAT1_CF	blue	na
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chrUn	33388814	33389778	965 SAT1_CF	blue	na
chrUn	33389845	33391210	1366 SAT1_CF	blue	na
chrUn	33391252	33392030	779 SAT1_CF	blue	na
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chrUn	33413109	33413576	468 SAT1_CF	blue	na
chrUn	33413737	33413823	87 SAT1_CF	blue	na
chrUn	33413851	33414411	561 SAT1_CF	blue	na
chrUn	33414492	33414666	175 SAT1_CF	blue	na
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chrUn	33415267	33415915	649 SAT1_CF	blue	na
chrUn	33416046	33416837	792 SAT1_CF	blue	na
chrUn	33416881	33417141	261 SAT1_CF	blue	na
chrUn	33417179	33418366	1188 SAT1_CF	blue	na
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chrUn	33428884	33428968	85 SAT1_CF	blue	na
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chrUn	33453079	33453358	280 Sat2CF	purple	na
chrUn	33453143	33453353	211 Sat2CF	purple	na
chrUn	33453579	33453867	289 Sat2CF	purple	na
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chrUn	33689700	33690202	503 SAT1_CF	blue	na
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chrUn	33691654	33692168	515 SAT1_CF	blue	na
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chrUn	33692505	33694564	2060 SAT1_CF	blue	na
chrUn	33694576	33695436	861 SAT1_CF	blue	na
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chrUn	33696915	33697566	652 SAT1_CF	blue	na
chrUn	33697585	33697748	164 SAT1_CF	blue	na
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chrUn	33709489	33710360	872 SAT1_CF	blue	na
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chrUn	33777734	33779630	1897 SAT1_CF	blue	na
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chrUn	33864645	33865482	838 Sat2CF	purple	na
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chrUn	33877603	33877780	178 Sat2CF	purple	na
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chrUn	34064637	34065664	1028 SAT1_CF	blue	na
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chrUn	34067756	34069352	1597 SAT1_CF	blue	na
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chrUn	34072583	34073265	683 SAT1_CF	blue	na
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chrUn	34085564	34085673	110 SAT1_CF	blue	na
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chrUn	34086283	34087394	1112 SAT1_CF	blue	na
chrUn	34087437	34088022	586 SAT1_CF	blue	na
chrUn	34088034	34089261	1228 SAT1_CF	blue	na
chrUn	34089348	34089849	502 SAT1_CF	blue	na
chrUn	34089863	34090546	684 SAT1_CF	blue	na
chrUn	34090558	34091241	684 SAT1_CF	blue	na
chrUn	34091252	34091744	493 SAT1_CF	blue	na
chrUn	34091758	34092482	725 SAT1_CF	blue	na
chrUn	34092494	34092564	71 SAT1_CF	blue	na
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chrUn	34092763	34093734	972 SAT1_CF	blue	na
chrUn	34093808	34094182	375 SAT1_CF	blue	na
chrUn	34094218	34094805	588 SAT1_CF	blue	na
chrUn	34094861	34095375	515 SAT1_CF	blue	na
chrUn	34095388	34095480	93 SAT1_CF	blue	na
chrUn	34095491	34096477	987 SAT1_CF	blue	na
chrUn	34096503	34098007	1505 SAT1_CF	blue	na
chrUn	34098052	34099215	1164 SAT1_CF	blue	na
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chrUn	34101848	34102349	502 SAT1_CF	blue	na
chrUn	34102362	34103732	1371 SAT1_CF	blue	na
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chrUn	34104728	34105275	548 SAT1_CF	blue	na
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chrUn	34108265	34109326	1062 SAT1_CF	blue	na
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chrUn	34112281	34114139	1859 SAT1_CF	blue	na
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chrUn	34116627	34117341	715 SAT1_CF	blue	na
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chrUn	34224205	34225834	1630 CarSat1	red	na
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chrUn	34233744	34234449	706 CarSat1	red	na
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chrUn	34238383	34238869	487 CarSat1	red	na
chrUn	34238903	34239607	705 CarSat1	red	na
chrUn	34239631	34242034	2404 CarSat1	red	na
chrUn	34242064	34246966	4903 CarSat1	red	na
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chrUn	34287205	34289437	2233 CarSat1	red	na
chrUn	34289467	34290170	704 CarSat1	red	na
chrUn	34290201	34290903	703 CarSat1	red	na
chrUn	34290933	34291760	828 CarSat1	red	na
chrUn	34291945	34292579	635 CarSat1	red	na
chrUn	34292612	34293307	696 CarSat1	red	na

chrUn	34293323	34294044	722	CarSat1	red	na
chrUn	34294073	34294990	918	CarSat1	red	na
chrUn	34295020	34296163	1144	CarSat1	red	na
chrUn	34303887	34305042	1156	Sat2CF	purple	na
chrUn	34319830	34321046	1217	Sat2CF	purple	na
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chrUn	34323237	34323663	427	CarSat1	red	na
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chrUn	34324404	34325562	1159	SAT1_CF	blue	na
chrUn	34325584	34325985	402	SAT1_CF	blue	na
chrUn	34325999	34328044	2046	SAT1_CF	blue	na
chrUn	34328087	34329731	1645	SAT1_CF	blue	na
chrUn	34329774	34330501	728	SAT1_CF	blue	na
chrUn	34330545	34332057	1513	SAT1_CF	blue	na
chrUn	34332122	34332279	158	SAT1_CF	blue	na
chrUn	34332294	34333329	1036	SAT1_CF	blue	na
chrUn	34333372	34334047	676	SAT1_CF	blue	na
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chrUn	34334600	34335216	617	SAT1_CF	blue	na
chrUn	34335231	34336340	1110	SAT1_CF	blue	na
chrUn	34336352	34337471	1120	SAT1_CF	blue	na
chrUn	34337511	34338083	573	SAT1_CF	blue	na
chrUn	34339499	34340061	563	SAT1_CF	blue	na
chrUn	34340075	34340481	407	SAT1_CF	blue	na
chrUn	34340492	34341705	1214	SAT1_CF	blue	na
chrUn	34341719	34342211	493	SAT1_CF	blue	na
chrUn	34342222	34342905	684	SAT1_CF	blue	na
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chrUn	34355231	34355333	103	SAT1_CF	blue	na
chrUn	34355345	34355821	477	SAT1_CF	blue	na
chrUn	34355842	34355951	110	SAT1_CF	blue	na

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chrUn	34357246	34358134	889	SAT1_CF	blue	na
chrUn	34358157	34358354	198	SAT1_CF	blue	na
chrUn	34358476	34359021	546	SAT1_CF	blue	na
chrUn	34359034	34359150	117	SAT1_CF	blue	na
chrUn	34359162	34361285	2124	SAT1_CF	blue	na
chrUn	34361297	34361981	685	SAT1_CF	blue	na
chrUn	34361993	34362494	502	SAT1_CF	blue	na
chrUn	34362538	34363493	956	SAT1_CF	blue	na
chrUn	34363538	34364537	1000	SAT1_CF	blue	na
chrUn	34364579	34365786	1208	SAT1_CF	blue	na
chrUn	34365809	34365917	109	SAT1_CF	blue	na
chrUn	34365929	34366446	518	SAT1_CF	blue	na
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chrUn	34377509	34378464	956	SAT1_CF	blue	na
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chrUn	34387100	34388060	961	SAT1_CF	blue	na
chrUn	34388104	34389381	1278	SAT1_CF	blue	na
chrUn	34389394	34390247	854	SAT1_CF	blue	na
chrUn	34390259	34391054	796	SAT1_CF	blue	na
chrUn	34391068	34391228	161	SAT1_CF	blue	na
chrUn	34391244	34392687	1444	SAT1_CF	blue	na
chrUn	34392698	34393359	662	SAT1_CF	blue	na

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chrUn	34395795	34397153	1359 SAT1_CF	blue	na
chrUn	34397186	34398932	1747 SAT1_CF	blue	na
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chrUn	34526567	34528412	1846 SAT1_CF	blue	na
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chrUn	34530558	34531332	775 CarSat1	red	na
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chrUn	34533043	34533819	777 CarSat1	red	na
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chrUn	34546445	34546811	367 Sat2CF	purple	na
chrUn	34546451	34546923	473 Sat2CF	purple	na
chrUn	34546526	34546870	345 Sat2CF	purple	na
chrUn	34558697	34559639	943 Sat2CF	purple	na

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chrUn	34570050	34571290	1241 CarSat1	red	na
chrUn	34571328	34572209	882 CarSat1	red	na
chrUn	34572204	34573412	1209 SAT1_CF	blue	na
chrUn	34573442	34575025	1584 SAT1_CF	blue	na
chrUn	34575041	34575260	220 SAT1_CF	blue	na
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chrUn	34576519	34577061	543 SAT1_CF	blue	na
chrUn	34577386	34577541	156 SAT1_CF	blue	na
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chrUn	34588698	34590087	1390 SAT1_CF	blue	na
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chrUn	34590893	34592867	1975 SAT1_CF	blue	na
chrUn	34592872	34595588	2717 CarSat1	red	na
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chrUn	34623988	34624823	836 SAT1_CF	blue	na
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chrUn	34647119	34647800	682 SAT1_CF	blue	na
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chrUn	34649685	34649870	186 SAT1_CF	blue	na
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chrUn	34668880	34669803	924 SAT1_CF	blue	na

chrUn	34669863	34670794	932 SAT1_CF	blue	na
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chrUn	34689382	34689931	550 SAT1_CF	blue	na
chrUn	34689945	34691310	1366 SAT1_CF	blue	na
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chrUn	34695767	34696621	855 SAT1_CF	blue	na
chrUn	34696634	34697979	1346 SAT1_CF	blue	na
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chrUn	34700360	34701122	763 SAT1_CF	blue	na
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chrUn	34703166	34704552	1387 SAT1_CF	blue	na
chrUn	34704588	34705088	501 SAT1_CF	blue	na

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chrUn	34709508	34709693	186 SAT1_CF	blue	na
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chrUn	35396281	35396892	612 SAT1_CF	blue	na
chrUn	35396936	35397685	750 SAT1_CF	blue	na
chrUn	35397711	35398617	907 SAT1_CF	blue	na
chrUn	35398629	35399182	554 SAT1_CF	blue	na
chrUn	35399204	35399311	108 SAT1_CF	blue	na
chrUn	35399324	35399824	501 SAT1_CF	blue	na
chrUn	35399864	35400264	401 SAT1_CF	blue	na
chrUn	35400275	35401688	1414 SAT1_CF	blue	na
chrUn	35401700	35402383	684 SAT1_CF	blue	na
chrUn	35402403	35403364	962 SAT1_CF	blue	na
chrUn	35403408	35404609	1202 SAT1_CF	blue	na
chrUn	35404629	35405227	599 SAT1_CF	blue	na
chrUn	35405284	35405356	73 SAT1_CF	blue	na
chrUn	35405368	35405889	522 SAT1_CF	blue	na
chrUn	35405915	35406072	158 SAT1_CF	blue	na

chrUn	35406100	35406610	511 SAT1_CF	blue	na
chrUn	35406690	35407254	565 SAT1_CF	blue	na
chrUn	35407282	35409206	1925 SAT1_CF	blue	na
chrUn	35409274	35410321	1048 SAT1_CF	blue	na
chrUn	35410339	35411265	927 SAT1_CF	blue	na
chrUn	35411307	35411977	671 SAT1_CF	blue	na
chrUn	35411995	35412676	682 SAT1_CF	blue	na
chrUn	35412689	35413580	892 SAT1_CF	blue	na
chrUn	35413592	35414595	1004 SAT1_CF	blue	na
chrUn	35414608	35415129	522 SAT1_CF	blue	na
chrUn	35415150	35415552	403 SAT1_CF	blue	na
chrUn	35415602	35416144	543 SAT1_CF	blue	na
chrUn	35416224	35417206	983 SAT1_CF	blue	na
chrUn	35417249	35417795	547 SAT1_CF	blue	na
chrUn	35417824	35417926	103 SAT1_CF	blue	na
chrUn	35417938	35419556	1619 SAT1_CF	blue	na
chrUn	35419598	35420451	854 SAT1_CF	blue	na
chrUn	35420463	35421147	685 SAT1_CF	blue	na
chrUn	35421160	35421681	522 SAT1_CF	blue	na
chrUn	35421710	35422382	673 SAT1_CF	blue	na
chrUn	35422395	35423896	1502 SAT1_CF	blue	na
chrUn	35423995	35424991	997 SAT1_CF	blue	na
chrUn	35425034	35425709	676 SAT1_CF	blue	na
chrUn	35425722	35426224	503 SAT1_CF	blue	na
chrUn	35426237	35426837	601 SAT1_CF	blue	na
chrUn	35428253	35429577	1325 SAT1_CF	blue	na
chrUn	35429591	35430083	493 SAT1_CF	blue	na
chrUn	35430094	35432559	2466 SAT1_CF	blue	na
chrUn	35433899	35434321	423 CarSat1	red	na
chrUn	35434353	35435072	720 CarSat1	red	na
chrUn	35435067	35436198	1132 SAT1_CF	blue	na
chrUn	35436211	35437181	971 SAT1_CF	blue	na
chrUn	35437200	35439638	2439 SAT1_CF	blue	na
chrUn	35439716	35440301	586 SAT1_CF	blue	na
chrUn	35440381	35441422	1042 SAT1_CF	blue	na
chrUn	35441465	35441973	509 SAT1_CF	blue	na
chrUn	35441987	35442379	393 SAT1_CF	blue	na
chrUn	35442384	35445098	2715 CarSat1	red	na
chrUn	35445119	35445911	793 CarSat1	red	na
chrUn	35445929	35446704	776 CarSat1	red	na
chrUn	35446725	35447249	525 CarSat1	red	na
chrUn	35447649	35448816	1168 Sat2CF	purple	na

chrUn	35448708	35448885	178	Sat2CF	purple	na
chrUn	35463785	35464568	784	Sat2CF	purple	na
chrUn	35464273	35464618	346	Sat2CF	purple	na
chrUn	35477946	35478825	880	Sat2CF	purple	na
chrUn	35481844	35481978	135	CarSat1	red	na
chrUn	35482005	35483352	1348	CarSat1	red	na
chrUn	35483373	35483804	432	CarSat1	red	na
chrUn	35494295	35494612	318	CarSat1	red	na
chrUn	35494811	35495695	885	CarSat1	red	na
chrUn	35495727	35497414	1688	CarSat1	red	na
chrUn	35497662	35498392	731	CarSat1	red	na
chrUn	35498414	35499129	716	CarSat1	red	na
chrUn	35499151	35500839	1689	CarSat1	red	na
chrUn	35500879	35501573	695	CarSat1	red	na
chrUn	35501607	35504519	2913	CarSat1	red	na
chrUn	35504543	35505257	715	CarSat1	red	na
chrUn	35505281	35509900	4620	CarSat1	red	na
chrUn	35509915	35510041	127	Carsat2	orange	na
chrUn	35509930	35510643	714	CarSat1	red	na
chrUn	35510673	35512117	1445	CarSat1	red	na
chrUn	35512132	35512258	127	Carsat2	orange	na
chrUn	35512147	35512852	706	CarSat1	red	na
chrUn	35512867	35512994	128	Carsat2	orange	na
chrUn	35512882	35515330	2449	CarSat1	red	na
chrUn	35515351	35515943	593	CarSat1	red	na
chrUn	35629794	35630928	1135	Sat2CF	purple	na
chrUn	35629927	35631013	1087	Sat2CF	purple	na
chrUn	35630889	35631038	150	Sat2CF	purple	na
chrUn	35644751	35645630	880	Sat2CF	purple	na
chrUn	35644903	35645715	813	Sat2CF	purple	na
chrUn	35671309	35672430	1122	Sat2CF	purple	na
chrUn	35687246	35688398	1153	Sat2CF	purple	na
chrUn	35710378	35710555	178	Sat2CF	purple	na
chrUn	35710426	35710941	516	Sat2CF	purple	na
chrUn	35710651	35710982	332	Sat2CF	purple	na
chrUn	35719859	35721025	1167	Sat2CF	purple	na
chrUn	35739073	35740231	1159	Sat2CF	purple	na
chrUn	35782290	35782994	705	CarSat1	red	na
chrUn	35783024	35784606	1583	CarSat1	red	na
chrUn	35784627	35785477	851	CarSat1	red	na
chrUn	35785500	35786356	857	CarSat1	red	na
chrUn	35786377	35787155	779	CarSat1	red	na

chrUn	35787169	35787612	444 CarSat1	red	na
chrUn	35787615	35788629	1015 SAT1_CF	blue	na
chrUn	35788624	35789348	725 CarSat1	red	na
chrUn	35789380	35789806	427 CarSat1	red	na
chrUn	35791246	35792027	782 SAT1_CF	blue	na
chrUn	35792107	35792631	525 SAT1_CF	blue	na
chrUn	35792646	35792782	137 SAT1_CF	blue	na
chrUn	35792829	35793349	521 SAT1_CF	blue	na
chrUn	35793361	35794035	675 SAT1_CF	blue	na
chrUn	35794078	35795224	1147 SAT1_CF	blue	na
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chrUn	35799073	35799743	671 SAT1_CF	blue	na
chrUn	35799786	35801408	1623 SAT1_CF	blue	na
chrUn	35801419	35802981	1563 SAT1_CF	blue	na
chrUn	35803016	35804614	1599 SAT1_CF	blue	na
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chrUn	35805517	35806119	603 SAT1_CF	blue	na
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chrUn	35806848	35807812	965 SAT1_CF	blue	na
chrUn	35807856	35808921	1066 SAT1_CF	blue	na
chrUn	35808984	35809466	483 SAT1_CF	blue	na
chrUn	35809478	35810162	685 SAT1_CF	blue	na
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chrUn	35811654	35812613	960 SAT1_CF	blue	na
chrUn	35812653	35813155	503 SAT1_CF	blue	na
chrUn	35813182	35813849	668 SAT1_CF	blue	na
chrUn	35813867	35814456	590 SAT1_CF	blue	na
chrUn	35814468	35814551	84 SAT1_CF	blue	na
chrUn	35814564	35815511	948 SAT1_CF	blue	na
chrUn	35815564	35818109	2546 SAT1_CF	blue	na
chrUn	35818122	35818804	683 SAT1_CF	blue	na
chrUn	35818819	35819492	674 SAT1_CF	blue	na
chrUn	35819535	35821190	1656 SAT1_CF	blue	na
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chrUn	35821573	35822073	501 SAT1_CF	blue	na
chrUn	35822085	35822744	660 SAT1_CF	blue	na
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chrUn	35825318	35825819	502 SAT1_CF	blue	na
chrUn	35825831	35827106	1276 SAT1_CF	blue	na
chrUn	35827134	35827697	564 SAT1_CF	blue	na
chrUn	35827740	35828262	523 SAT1_CF	blue	na
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chrUn	35852381	35853311	931 SAT1_CF	blue	na
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chrUn	35854952	35855622	671 SAT1_CF	blue	na
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chrUn	35856313	35856466	154 SAT1_CF	blue	na
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chrUn	35857032	35857706	675 SAT1_CF	blue	na
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chrUn	35858726	35859282	557 SAT1_CF	blue	na
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chrUn	35861247	35861356	110 SAT1_CF	blue	na
chrUn	35861377	35861913	537 SAT1_CF	blue	na
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chrUn	35864000	35864703	704 SAT1_CF	blue	na
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chrUn	35870429	35870946	518 SAT1_CF	blue	na
chrUn	36103357	36104082	726 SAT1_CF	blue	na
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chrUn	36113456	36114784	1329 SAT1_CF	blue	na
chrUn	36114830	36116241	1412 SAT1_CF	blue	na
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chrUn	36116796	36117480	685 SAT1_CF	blue	na
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chrUn	36118905	36119535	631 SAT1_CF	blue	na
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chrUn	36120115	36120298	184 SAT1_CF	blue	na
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chrUn	36122610	36123010	401 SAT1_CF	blue	na
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chrUn	36123562	36124168	607 SAT1_CF	blue	na
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chrUn	36129641	36130316	676 SAT1_CF	blue	na
chrUn	36130359	36131731	1373 SAT1_CF	blue	na
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chrUn	36132348	36133029	682 SAT1_CF	blue	na
chrUn	36133041	36133150	110 SAT1_CF	blue	na
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chrUn	36133783	36134328	546 SAT1_CF	blue	na
chrUn	36134371	36135175	805 SAT1_CF	blue	na
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chrUn	36135762	36136906	1145 SAT1_CF	blue	na
chrUn	36136919	36137593	675 SAT1_CF	blue	na
chrUn	36137636	36138266	631 SAT1_CF	blue	na
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chrUn	36142163	36142341	179 SAT1_CF	blue	na
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chrUn	36147057	36148090	1034 SAT1_CF	blue	na
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chrUn	36152633	36153316	684 SAT1_CF	blue	na
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chrUn	36455499	36456102	604 SAT1_CF	blue	na
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chrUn	36457844	36458430	587 SAT1_CF	blue	na
chrUn	36458533	36459114	582 SAT1_CF	blue	na
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chrUn	36459845	36460466	622 SAT1_CF	blue	na
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chrUn	36461683	36461841	159 SAT1_CF	blue	na
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chrUn	36462407	36463081	675 SAT1_CF	blue	na
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chrUn	36467231	36468252	1022 SAT1_CF	blue	na
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chrUn	36470139	36470814	676 SAT1_CF	blue	na
chrUn	36470857	36472527	1671 SAT1_CF	blue	na
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chrUn	36473481	36474023	543 SAT1_CF	blue	na
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chrUn	36484535	36486191	1657 SAT1_CF	blue	na
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chrUn	38471184	38473256	2073 SAT1_CF	blue	na
chrUn	38473438	38473619	182 SAT1_CF	blue	na
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chrUn	38481817	38482387	571 SAT1_CF	blue	na
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chrUn	38488309	38489475	1167 SAT1_CF	blue	na
chrUn	38489564	38490064	501 SAT1_CF	blue	na
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chrUn	38595881	38598942	3062 CarSat1	red	na
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chrUn	38607552	38608197	646 SAT1_CF	blue	na
chrUn	38608241	38609399	1159 SAT1_CF	blue	na
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chrUn	38629674	38631385	1712 SAT1_CF	blue	na
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chrUn	38687119	38687579	461	CarSat1	red	na
chrUn	38687604	38688566	963	CarSat1	red	na
chrUn	38688593	38689570	978	CarSat1	red	na
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chrUn	38847035	38848021	987	SAT1_CF	blue	na
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chrUn	38850508	38851307	800	SAT1_CF	blue	na
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chrUn	38852825	38853679	855	SAT1_CF	blue	na
chrUn	38853759	38854615	857	SAT1_CF	blue	na
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chrUn	38868237	38868999	763	SAT1_CF	blue	na
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chrUn	38906958	38907728	771 SAT1_CF	blue	na
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chrUn	39001359	39001883	525 SAT1_CF	blue	na
chrUn	39001962	39002921	960 SAT1_CF	blue	na
chrUn	39002961	39003455	495 SAT1_CF	blue	na
chrUn	39003475	39004156	682 SAT1_CF	blue	na

chrUn	39004168	39005029	862 SAT1_CF	blue	na
chrUn	39005071	39005852	782 SAT1_CF	blue	na
chrUn	39005931	39006479	549 SAT1_CF	blue	na
chrUn	39006512	39006891	380 SAT1_CF	blue	na
chrUn	39006931	39008126	1196 SAT1_CF	blue	na
chrUn	39008138	39008537	400 SAT1_CF	blue	na
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chrUn	39009169	39009690	522 SAT1_CF	blue	na
chrUn	39009705	39010408	704 SAT1_CF	blue	na
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chrUn	39010550	39012432	1883 SAT1_CF	blue	na
chrUn	39012476	39012740	265 SAT1_CF	blue	na
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chrUn	39013548	39014049	502 SAT1_CF	blue	na
chrUn	39014077	39014744	668 SAT1_CF	blue	na
chrUn	39014756	39015615	860 SAT1_CF	blue	na
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chrUn	39016951	39017579	629 SAT1_CF	blue	na
chrUn	39017591	39018921	1331 SAT1_CF	blue	na
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chrUn	39027129	39027810	682 SAT1_CF	blue	na
chrUn	39027834	39027931	98 SAT1_CF	blue	na
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chrUn	39030619	39031115	497 SAT1_CF	blue	na
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chrUn	39032787	39033263	477 SAT1_CF	blue	na
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chrUn	39036880	39038256	1377 SAT1_CF	blue	na
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chrUn	39038968	39040470	1503 SAT1_CF	blue	na
chrUn	39040482	39041166	685 SAT1_CF	blue	na
chrUn	39041178	39041852	675 SAT1_CF	blue	na

chrUn	39041895	39043478	1584 SAT1_CF	blue	na
chrUn	39043492	39043893	402 SAT1_CF	blue	na
chrUn	39043915	39045072	1158 SAT1_CF	blue	na
chrUn	39045058	39045782	725 CarSat1	red	na
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chrUn	39047578	39049270	1693 SAT1_CF	blue	na
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chrUn	39052562	39053520	959 SAT1_CF	blue	na
chrUn	39053564	39053901	338 SAT1_CF	blue	na
chrUn	39053949	39055967	2019 SAT1_CF	blue	na
chrUn	39055993	39056513	521 SAT1_CF	blue	na
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chrUn	39056725	39057274	550 SAT1_CF	blue	na
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chrUn	39057959	39058426	468 SAT1_CF	blue	na
chrUn	39058439	39058982	544 SAT1_CF	blue	na
chrUn	39059009	39059203	195 SAT1_CF	blue	na
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chrUn	39062957	39063621	665 SAT1_CF	blue	na
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chrUn	39076843	39076946	104 SAT1_CF	blue	na
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chrUn	39100521	39101140	620 SAT1_CF	blue	na
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chrUn	39102890	39104131	1242 SAT1_CF	blue	na
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chrUn	39105532	39106611	1080 SAT1_CF	blue	na
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chrUn	39107212	39108903	1692 SAT1_CF	blue	na
chrUn	39108916	39109416	501 SAT1_CF	blue	na
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chrUn	39113407	39114875	1469 SAT1_CF	blue	na
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chrUn	39206598	39207303	706 CarSat1	red	na
chrUn	39207333	39211218	3886 CarSat1	red	na
chrUn	39211243	39213019	1777 CarSat1	red	na
chrUn	39216038	39217615	1578 CarSat1	red	na
chrUn	39217630	39218577	948 CarSat1	red	na
chrUn	39218601	39223258	4658 CarSat1	red	na

chrUn	39223269	39224475	1207	CarSat1	red	na
chrUn	39224499	39225463	965	CarSat1	red	na
chrUn	39225502	39226467	966	CarSat1	red	na
chrUn	39226482	39227388	907	CarSat1	red	na
chrUn	39227442	39229965	2524	CarSat1	red	na
chrUn	39229976	39231184	1209	CarSat1	red	na
chrUn	39231208	39232658	1451	CarSat1	red	na
chrUn	39232682	39233851	1170	CarSat1	red	na
chrUn	39257385	39257982	598	CarSat1	red	na
chrUn	39258006	39259606	1601	CarSat1	red	na
chrUn	39259914	39260676	763	CarSat1	red	na
chrUn	39261329	39261915	587	CarSat1	red	na
chrUn	39261942	39263395	1454	CarSat1	red	na
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chrUn	39264659	39265626	968	CarSat1	red	na
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chrUn	39270803	39271792	990	CarSat1	red	na
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chrUn	39275602	39276193	592	CarSat1	red	na
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chrUn	39288981	39291917	2937	CarSat1	red	na
chrUn	39291941	39292895	955	CarSat1	red	na
chrUn	39292922	39293632	711	CarSat1	red	na
chrUn	39293659	39294368	710	CarSat1	red	na
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chrUn	39294880	39295842	963	CarSat1	red	na
chrUn	39295869	39296579	711	CarSat1	red	na
chrUn	39296606	39297446	841	CarSat1	red	na
chrUn	39369772	39373236	3465	CarSat1	red	na
chrUn	39373269	39373770	502	CarSat1	red	na
chrUn	39373785	39374507	723	CarSat1	red	na
chrUn	39374522	39376721	2200	CarSat1	red	na
chrUn	39376736	39377680	945	CarSat1	red	na
chrUn	39378838	39380655	1818	CarSat1	red	na
chrUn	39380667	39381891	1225	CarSat1	red	na
chrUn	39381922	39383364	1443	CarSat1	red	na
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chrUn	39385612	39388543	2932	CarSat1	red	na
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chrUn	39398035	39398332	298	SAT1_CF	blue	na
chrUn	39399010	39399939	930	SAT1_CF	blue	na
chrUn	39399951	39400617	667	SAT1_CF	blue	na
chrUn	39400659	39402622	1964	SAT1_CF	blue	na
chrUn	39402643	39403163	521	SAT1_CF	blue	na
chrUn	39403181	39403860	680	SAT1_CF	blue	na
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chrUn	39416651	39418151	1501	SAT1_CF	blue	na
chrUn	39418194	39418911	718	SAT1_CF	blue	na
chrUn	39418955	39419506	552	SAT1_CF	blue	na
chrUn	39419519	39420196	678	SAT1_CF	blue	na
chrUn	39420238	39421055	818	SAT1_CF	blue	na
chrUn	39421237	39421328	92	SAT1_CF	blue	na
chrUn	39421342	39423377	2036	SAT1_CF	blue	na
chrUn	39423389	39424061	673	SAT1_CF	blue	na
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chrUn	39424618	39425295	678	SAT1_CF	blue	na
chrUn	39425338	39425881	544	SAT1_CF	blue	na
chrUn	39425925	39426387	463	SAT1_CF	blue	na
chrUn	39426879	39427633	755	SAT1_CF	blue	na
chrUn	39427823	39428203	381	SAT1_CF	blue	na
chrUn	39428219	39429000	782	SAT1_CF	blue	na
chrUn	39429068	39429549	482	SAT1_CF	blue	na
chrUn	39429561	39429674	114	SAT1_CF	blue	na
chrUn	39429691	39430401	711	SAT1_CF	blue	na
chrUn	39430413	39431089	677	SAT1_CF	blue	na
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chrUn	39433174	39433308	135 SAT1_CF	blue	na
chrUn	39433493	39433892	400 SAT1_CF	blue	na
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chrUn	39438530	39439245	716 SAT1_CF	blue	na
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chrUn	39442337	39442838	502 SAT1_CF	blue	na
chrUn	39442881	39445454	2574 SAT1_CF	blue	na
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chrUn	39502296	39503453	1158 SAT1_CF	blue	na
chrUn	39503439	39504157	719 CarSat1	red	na
chrUn	39504315	39504543	229 CarSat1	red	na
chrUn	39505548	39506369	822 SAT1_CF	blue	na
chrUn	39506412	39508475	2064 SAT1_CF	blue	na
chrUn	39508487	39509850	1364 SAT1_CF	blue	na
chrUn	39509894	39510450	557 SAT1_CF	blue	na
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chrUn	39511126	39512139	1014 SAT1_CF	blue	na
chrUn	39512404	39513054	651 SAT1_CF	blue	na
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chrUn	39513512	39514054	543 SAT1_CF	blue	na
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chrUn	39517876	39518182	307 SAT1_CF	blue	na
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chrUn	39532566	39533493	928 SAT1_CF	blue	na
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chrUn	39544963	39545099	137 SAT1_CF	blue	na
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chrUn	39546335	39547424	1090 SAT1_CF	blue	na
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chrUn	39549646	39550889	1244 SAT1_CF	blue	na
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chrUn	39722920	39723954	1035 SAT1_CF	blue	na
chrUn	39723974	39725179	1206 SAT1_CF	blue	na
chrUn	39725208	39725729	522 SAT1_CF	blue	na
chrUn	39725742	39726612	871 SAT1_CF	blue	na
chrUn	39726634	39727178	545 SAT1_CF	blue	na
chrUn	39727220	39727759	540 SAT1_CF	blue	na
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chrUn	39878533	39878934	402 SAT1_CF	blue	na

chrUn	39878983	39880175	1193	SAT1_CF	blue	na
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chrUn	39881378	39881487	110	SAT1_CF	blue	na
chrUn	39881499	39884463	2965	SAT1_CF	blue	na
chrUn	39884474	39884986	513	SAT1_CF	blue	na
chrUn	39885007	39885580	574	SAT1_CF	blue	na
chrUn	39885604	39886299	696	SAT1_CF	blue	na
chrUn	39886316	39887154	839	SAT1_CF	blue	na
chrUn	39887189	39887669	481	SAT1_CF	blue	na
chrUn	39887695	39888145	451	SAT1_CF	blue	na
chrUn	39888162	39888761	600	SAT1_CF	blue	na
chrUn	39888779	39889260	482	SAT1_CF	blue	na
chrUn	39889332	39889843	512	SAT1_CF	blue	na
chrUn	39889876	39890422	547	SAT1_CF	blue	na
chrUn	39890483	39890580	98	SAT1_CF	blue	na
chrUn	39890592	39891134	543	SAT1_CF	blue	na
chrUn	39891176	39891886	711	SAT1_CF	blue	na
chrUn	39891916	39892262	347	SAT1_CF	blue	na
chrUn	39892277	39892819	543	SAT1_CF	blue	na
chrUn	39892860	39893719	860	SAT1_CF	blue	na
chrUn	39893734	39894442	709	SAT1_CF	blue	na
chrUn	39894463	39894572	110	SAT1_CF	blue	na
chrUn	39894584	39895105	522	SAT1_CF	blue	na
chrUn	39895129	39895286	158	SAT1_CF	blue	na
chrUn	39895314	39896318	1005	SAT1_CF	blue	na
chrUn	39896342	39896892	551	SAT1_CF	blue	na
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chrUn	39897477	39898002	526	SAT1_CF	blue	na
chrUn	39898082	39899122	1041	SAT1_CF	blue	na
chrUn	39899136	39899543	408	SAT1_CF	blue	na
chrUn	39899584	39900444	861	SAT1_CF	blue	na
chrUn	39900458	39901139	682	SAT1_CF	blue	na
chrUn	39901151	39901834	684	SAT1_CF	blue	na
chrUn	39901847	39902550	704	SAT1_CF	blue	na
chrUn	39902565	39903543	979	SAT1_CF	blue	na
chrUn	39903579	39904428	850	SAT1_CF	blue	na
chrUn	39904471	39905708	1238	SAT1_CF	blue	na
chrUn	39905755	39907342	1588	SAT1_CF	blue	na
chrUn	39907385	39908059	675	SAT1_CF	blue	na
chrUn	39908071	39908830	760	SAT1_CF	blue	na
chrUn	39908843	39909396	554	SAT1_CF	blue	na
chrUn	39909419	39909525	107	SAT1_CF	blue	na

chrUn	39909538	39910038	501 SAT1_CF	blue	na
chrUn	39910125	39911180	1056 SAT1_CF	blue	na
chrUn	39911191	39911693	503 SAT1_CF	blue	na
chrUn	39911759	39911895	137 SAT1_CF	blue	na
chrUn	39911910	39912433	524 SAT1_CF	blue	na
chrUn	39912513	39914958	2446 SAT1_CF	blue	na
chrUn	39915001	39915550	550 SAT1_CF	blue	na
chrUn	39915564	39917095	1532 SAT1_CF	blue	na
chrUn	39917116	39917224	109 SAT1_CF	blue	na
chrUn	39917237	39917719	483 SAT1_CF	blue	na
chrUn	39917778	39918785	1008 SAT1_CF	blue	na
chrUn	39918817	39919817	1001 SAT1_CF	blue	na
chrUn	39919860	39920537	678 SAT1_CF	blue	na
chrUn	39920549	39921050	502 SAT1_CF	blue	na
chrUn	39921095	39921252	158 SAT1_CF	blue	na
chrUn	39921285	39921790	506 SAT1_CF	blue	na
chrUn	39921821	39923689	1869 SAT1_CF	blue	na
chrUn	39923732	39924406	675 SAT1_CF	blue	na
chrUn	39924419	39924680	262 SAT1_CF	blue	na
chrUn	39939138	39940148	1011 Sat2CF	purple	na
chrUn	39940027	39940208	182 Sat2CF	purple	na
chrUn	40144493	40144602	110 Sat16CF	na	na
chrUn	40155724	40156773	1050 Sat9CF	na	na
chrUn	40206710	40206976	267 SAT1_CF	blue	na
chrUn	40207018	40208874	1857 SAT1_CF	blue	na
chrUn	40208914	40209417	504 SAT1_CF	blue	na
chrUn	40209530	40211872	2343 SAT1_CF	blue	na
chrUn	40211992	40212518	527 SAT1_CF	blue	na
chrUn	40212597	40213119	523 SAT1_CF	blue	na
chrUn	40213134	40214599	1466 SAT1_CF	blue	na
chrUn	40214642	40215274	633 SAT1_CF	blue	na
chrUn	40215302	40215826	525 SAT1_CF	blue	na
chrUn	40216070	40216118	49 SAT1_CF	blue	na
chrUn	40216137	40216656	520 SAT1_CF	blue	na
chrUn	40216670	40217352	683 SAT1_CF	blue	na
chrUn	40217364	40219892	2529 SAT1_CF	blue	na
chrUn	40219964	40220456	493 SAT1_CF	blue	na
chrUn	40220652	40221599	948 SAT1_CF	blue	na
chrUn	40221611	40222286	676 SAT1_CF	blue	na
chrUn	40222329	40223316	988 SAT1_CF	blue	na
chrUn	40223373	40224328	956 SAT1_CF	blue	na
chrUn	40224368	40224868	501 SAT1_CF	blue	na

chrUn	40224895	40225641	747 SAT1_CF	blue	na
chrUn	40225653	40226323	671 SAT1_CF	blue	na
chrUn	40226335	40226508	174 SAT1_CF	blue	na
chrUn	40226550	40228839	2290 SAT1_CF	blue	na
chrUn	40228852	40228958	107 SAT1_CF	blue	na
chrUn	40228981	40230357	1377 SAT1_CF	blue	na
chrUn	40230397	40232037	1641 SAT1_CF	blue	na
chrUn	40232086	40232215	130 SAT1_CF	blue	na
chrUn	40232259	40232803	545 SAT1_CF	blue	na
chrUn	40232852	40232987	136 SAT1_CF	blue	na
chrUn	40233048	40233573	526 SAT1_CF	blue	na
chrUn	40233588	40233724	137 SAT1_CF	blue	na
chrUn	40233788	40236323	2536 SAT1_CF	blue	na
chrUn	40236370	40237077	708 SAT1_CF	blue	na
chrUn	40237095	40237852	758 SAT1_CF	blue	na
chrUn	40237864	40238694	831 SAT1_CF	blue	na
chrUn	40238710	40239767	1058 SAT1_CF	blue	na
chrUn	40239847	40240842	996 SAT1_CF	blue	na
chrUn	40240854	40241527	674 SAT1_CF	blue	na
chrUn	40241570	40242479	910 SAT1_CF	blue	na
chrUn	40242536	40243090	555 SAT1_CF	blue	na
chrUn	40243102	40243990	889 SAT1_CF	blue	na
chrUn	40244003	40246016	2014 SAT1_CF	blue	na
chrUn	40246095	40246631	537 SAT1_CF	blue	na
chrUn	40246685	40247355	671 SAT1_CF	blue	na
chrUn	40248750	40249499	750 SAT1_CF	blue	na
chrUn	40249522	40250815	1294 SAT1_CF	blue	na
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chrUn	40251253	40252450	1198 SAT1_CF	blue	na
chrUn	40252462	40253130	669 SAT1_CF	blue	na
chrUn	40253173	40255133	1961 SAT1_CF	blue	na
chrUn	40255178	40255679	502 SAT1_CF	blue	na
chrUn	40255691	40256346	656 SAT1_CF	blue	na
chrUn	40256403	40256949	547 SAT1_CF	blue	na
chrUn	40256992	40258361	1370 SAT1_CF	blue	na
chrUn	40258373	40258481	109 SAT1_CF	blue	na
chrUn	40258504	40259059	556 SAT1_CF	blue	na
chrUn	40259071	40259180	110 SAT1_CF	blue	na
chrUn	40259200	40259747	548 SAT1_CF	blue	na
chrUn	40259790	40261230	1441 SAT1_CF	blue	na
chrUn	40261286	40261787	502 SAT1_CF	blue	na
chrUn	40261799	40262481	683 SAT1_CF	blue	na

chrUn	40262493	40263160	668 SAT1_CF	blue	na
chrUn	40263209	40264513	1305 SAT1_CF	blue	na
chrUn	40264569	40265778	1210 SAT1_CF	blue	na
chrUn	40265843	40266542	700 SAT1_CF	blue	na
chrUn	40266555	40267668	1114 SAT1_CF	blue	na
chrUn	40342487	40343155	669 SAT1_CF	blue	na
chrUn	40343183	40343749	567 SAT1_CF	blue	na
chrUn	40346418	40346648	231 SAT1_CF	blue	na
chrUn	40346717	40349525	2809 SAT1_CF	blue	na
chrUn	40349553	40352700	3148 SAT1_CF	blue	na
chrUn	40352729	40355897	3169 SAT1_CF	blue	na
chrUn	40355937	40356997	1061 SAT1_CF	blue	na
chrUn	40421904	40422606	703 SAT1_CF	blue	na
chrUn	40422648	40424308	1661 SAT1_CF	blue	na
chrUn	40424320	40426673	2354 SAT1_CF	blue	na
chrUn	40426701	40427265	565 SAT1_CF	blue	na
chrUn	40427345	40427855	511 SAT1_CF	blue	na
chrUn	40427883	40428040	158 SAT1_CF	blue	na
chrUn	40428085	40428587	503 SAT1_CF	blue	na
chrUn	40428603	40429360	758 SAT1_CF	blue	na
chrUn	40429372	40430628	1257 SAT1_CF	blue	na
chrUn	40430645	40431602	958 SAT1_CF	blue	na
chrUn	40431622	40432488	867 SAT1_CF	blue	na
chrUn	40432508	40433178	671 SAT1_CF	blue	na
chrUn	40433189	40434754	1566 SAT1_CF	blue	na
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chrUn	40435322	40436754	1433 SAT1_CF	blue	na
chrUn	40436802	40438066	1265 SAT1_CF	blue	na
chrUn	40438109	40438653	545 SAT1_CF	blue	na
chrUn	40438737	40439283	547 SAT1_CF	blue	na
chrUn	40439311	40440014	704 SAT1_CF	blue	na
chrUn	40440040	40440710	671 SAT1_CF	blue	na
chrUn	40440722	40441396	675 SAT1_CF	blue	na
chrUn	40441445	40441561	117 SAT1_CF	blue	na
chrUn	40441603	40442641	1039 SAT1_CF	blue	na
chrUn	40442698	40443330	633 SAT1_CF	blue	na
chrUn	40443342	40443945	604 SAT1_CF	blue	na
chrUn	40443958	40444064	107 SAT1_CF	blue	na
chrUn	40444085	40444832	748 SAT1_CF	blue	na
chrUn	40444847	40445314	468 SAT1_CF	blue	na
chrUn	40445392	40445937	546 SAT1_CF	blue	na
chrUn	40445975	40446317	343 SAT1_CF	blue	na

chrUn	40446389	40446889	501 SAT1_CF	blue	na
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chrUn	40447675	40448393	719 SAT1_CF	blue	na
chrUn	40448421	40448794	374 SAT1_CF	blue	na
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chrUn	40448936	40449483	548 SAT1_CF	blue	na
chrUn	40449526	40450358	833 SAT1_CF	blue	na
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chrUn	40451580	40452316	737 SAT1_CF	blue	na
chrUn	40452329	40453168	840 SAT1_CF	blue	na
chrUn	40453180	40454451	1272 SAT1_CF	blue	na
chrUn	40454493	40456158	1666 SAT1_CF	blue	na
chrUn	40456186	40456321	136 SAT1_CF	blue	na
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chrUn	40456900	40457006	107 SAT1_CF	blue	na
chrUn	40457030	40457658	629 SAT1_CF	blue	na
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chrUn	40458553	40459232	680 SAT1_CF	blue	na
chrUn	40459244	40460572	1329 SAT1_CF	blue	na
chrUn	40460597	40460922	326 SAT1_CF	blue	na
chrUn	40460989	40461511	523 SAT1_CF	blue	na
chrUn	40461524	40461886	363 SAT1_CF	blue	na
chrUn	40461946	40462420	475 SAT1_CF	blue	na
chrUn	40462440	40463123	684 SAT1_CF	blue	na
chrUn	40463135	40463809	675 SAT1_CF	blue	na
chrUn	40463857	40464355	499 SAT1_CF	blue	na
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chrUn	40464957	40465064	108 SAT1_CF	blue	na
chrUn	40465086	40465639	554 SAT1_CF	blue	na
chrUn	40465652	40468533	2882 SAT1_CF	blue	na
chrUn	40468548	40468705	158 SAT1_CF	blue	na
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chrUn	40470457	40471243	787 SAT1_CF	blue	na
chrUn	40471288	40471789	502 SAT1_CF	blue	na
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chrUn	40473925	40475612	1688 SAT1_CF	blue	na
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chrUn	40475754	40476384	631 SAT1_CF	blue	na

chrUn	40476398	40478993	2596 SAT1_CF	blue	na
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chrUn	40479396	40479925	530 SAT1_CF	blue	na
chrUn	40479938	40480043	106 SAT1_CF	blue	na
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chrUn	40481350	40481485	136 SAT1_CF	blue	na
chrUn	40481530	40482237	708 SAT1_CF	blue	na
chrUn	40626906	40627605	700 SAT1_CF	blue	na
chrUn	40627616	40628429	814 SAT1_CF	blue	na
chrUn	40628509	40629731	1223 SAT1_CF	blue	na
chrUn	40629751	40630354	604 SAT1_CF	blue	na
chrUn	40630366	40632671	2306 SAT1_CF	blue	na
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chrUn	40633422	40634027	606 SAT1_CF	blue	na
chrUn	40634040	40634898	859 SAT1_CF	blue	na
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chrUn	40636323	40637275	953 SAT1_CF	blue	na
chrUn	40637354	40638314	961 SAT1_CF	blue	na
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chrUn	40638868	40639553	686 SAT1_CF	blue	na
chrUn	40639565	40642006	2442 SAT1_CF	blue	na
chrUn	40642018	40643460	1443 SAT1_CF	blue	na
chrUn	40643476	40645117	1642 SAT1_CF	blue	na
chrUn	40645129	40646540	1412 SAT1_CF	blue	na
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chrUn	40650044	40650231	188 SAT1_CF	blue	na
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chrUn	40651120	40652066	947 SAT1_CF	blue	na
chrUn	40652119	40652695	577 SAT1_CF	blue	na
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chrUn	40653403	40654265	863 SAT1_CF	blue	na
chrUn	40654306	40654937	632 SAT1_CF	blue	na
chrUn	40654965	40655930	966 SAT1_CF	blue	na
chrUn	40655944	40656344	401 SAT1_CF	blue	na
chrUn	40656384	40656882	499 SAT1_CF	blue	na
chrUn	40656895	40657573	679 SAT1_CF	blue	na

chrUn	40657619	40657944	326 SAT1_CF	blue	na
chrUn	40657986	40658492	507 SAT1_CF	blue	na
chrUn	40658510	40658613	104 SAT1_CF	blue	na
chrUn	40658634	40659208	575 SAT1_CF	blue	na
chrUn	40659220	40661347	2128 SAT1_CF	blue	na
chrUn	40661428	40661591	164 SAT1_CF	blue	na
chrUn	40661772	40661957	186 SAT1_CF	blue	na
chrUn	40661994	40662493	500 SAT1_CF	blue	na
chrUn	40662506	40662898	393 SAT1_CF	blue	na
chrUn	40662925	40663527	603 SAT1_CF	blue	na
chrUn	40663539	40664212	674 SAT1_CF	blue	na
chrUn	40664224	40664395	172 SAT1_CF	blue	na
chrUn	40664437	40664980	544 SAT1_CF	blue	na
chrUn	40664996	40666120	1125 SAT1_CF	blue	na
chrUn	40666132	40667023	892 SAT1_CF	blue	na
chrUn	40667036	40668405	1370 SAT1_CF	blue	na
chrUn	40668446	40670476	2031 SAT1_CF	blue	na
chrUn	40670519	40671018	500 SAT1_CF	blue	na
chrUn	40671031	40673527	2497 SAT1_CF	blue	na
chrUn	40673540	40674161	622 SAT1_CF	blue	na
chrUn	40674182	40674856	675 SAT1_CF	blue	na
chrUn	40674879	40675422	544 SAT1_CF	blue	na
chrUn	40675465	40676313	849 SAT1_CF	blue	na
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chrUn	40677680	40679449	1770 SAT1_CF	blue	na
chrUn	40679489	40679981	493 SAT1_CF	blue	na
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chrUn	40682476	40683495	1020 SAT1_CF	blue	na
chrUn	40683506	40683998	493 SAT1_CF	blue	na
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chrUn	40688925	40690177	1253 Sat2CF	purple	na
chrUn	40690017	40690205	189 Sat2CF	purple	na
chrUn	40692807	40694399	1593 CarSat1	red	na
chrUn	40694420	40695905	1486 CarSat1	red	na
chrUn	40705418	40705824	407 CarSat1	red	na
chrUn	40705858	40707639	1782 CarSat1	red	na
chrUn	40707658	40708059	402 CarSat1	red	na
chrUn	40708075	40709462	1388 SAT1_CF	blue	na
chrUn	40709657	40709817	161 Sat2CF	purple	na
chrUn	40709690	40710638	949 Sat2CF	purple	na

chrUn	40716470	40718009	1540	CarSat1	red	na
chrUn	40718217	40718808	592	CarSat1	red	na
chrUn	40727530	40728247	718	CarSat1	red	na
chrUn	40728439	40728779	341	CarSat1	red	na
chrUn	40728791	40728920	130	Carsat2	orange	na
chrUn	40728809	40730250	1442	CarSat1	red	na
chrUn	40730280	40731591	1312	CarSat1	red	na
chrUn	40738131	40739010	880	CarSat1	red	na
chrUn	40739040	40740754	1715	CarSat1	red	na
chrUn	40740775	40742227	1453	CarSat1	red	na
chrUn	40742248	40742963	716	CarSat1	red	na
chrUn	40742984	40743943	960	CarSat1	red	na
chrUn	40743968	40744437	470	CarSat1	red	na
chrUn	40744464	40746649	2186	CarSat1	red	na
chrUn	40746676	40747555	880	CarSat1	red	na
chrUn	40838845	40839949	1105	Sat2CF	purple	na
chrUn	40849275	40850122	848	Sat2CF	purple	na
chrUn	40864613	40864988	376	CarSat1	red	na
chrUn	40865009	40865855	847	CarSat1	red	na
chrUn	40865872	40867466	1595	CarSat1	red	na
chrUn	40867487	40870201	2715	CarSat1	red	na
chrUn	40870213	40870481	269	SAT1_CF	blue	na
chrUn	40870501	40872458	1958	SAT1_CF	blue	na
chrUn	40872500	40873048	549	SAT1_CF	blue	na
chrUn	40873095	40873495	401	SAT1_CF	blue	na
chrUn	40873516	40874728	1213	SAT1_CF	blue	na
chrUn	40874772	40876805	2034	SAT1_CF	blue	na
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chrUn	40877869	40878587	719	CarSat1	red	na
chrUn	40878619	40879044	426	CarSat1	red	na
chrUn	40950173	40951513	1341	SAT1_CF	blue	na
chrUn	40951556	40952750	1195	SAT1_CF	blue	na
chrUn	40952762	40953582	821	SAT1_CF	blue	na
chrUn	40953624	40954164	541	SAT1_CF	blue	na
chrUn	40954181	40954712	532	SAT1_CF	blue	na
chrUn	40954724	40955398	675	SAT1_CF	blue	na
chrUn	40955441	40957055	1615	SAT1_CF	blue	na
chrUn	40957135	40957716	582	SAT1_CF	blue	na
chrUn	40957728	40958404	677	SAT1_CF	blue	na
chrUn	40958417	40958584	168	SAT1_CF	blue	na
chrUn	40958629	40959173	545	SAT1_CF	blue	na
chrUn	40959189	40959350	162	SAT1_CF	blue	na

chrUn	40959401	40959948	548 SAT1_CF	blue	na
chrUn	40960065	40960575	511 SAT1_CF	blue	na
chrUn	40960651	40961222	572 SAT1_CF	blue	na
chrUn	40961235	40963260	2026 SAT1_CF	blue	na
chrUn	40963340	40965146	1807 SAT1_CF	blue	na
chrUn	40965173	40965829	657 SAT1_CF	blue	na
chrUn	40965875	40966524	650 SAT1_CF	blue	na
chrUn	40966544	40967027	484 SAT1_CF	blue	na
chrUn	40967039	40967724	686 SAT1_CF	blue	na
chrUn	40967742	40968412	671 SAT1_CF	blue	na
chrUn	40968455	40969567	1113 SAT1_CF	blue	na
chrUn	40969610	40970194	585 SAT1_CF	blue	na
chrUn	40970206	40971803	1598 SAT1_CF	blue	na
chrUn	40971826	40972676	851 SAT1_CF	blue	na
chrUn	40972753	40973489	737 SAT1_CF	blue	na
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chrUn	40974605	40977292	2688 SAT1_CF	blue	na
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chrUn	40977926	40978639	714 SAT1_CF	blue	na
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chrUn	40984781	40985462	682 SAT1_CF	blue	na
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chrUn	40991112	40991484	373 SAT1_CF	blue	na
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chrUn	40996327	40997002	676 SAT1_CF	blue	na
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chrUn	40997704	40998791	1088 SAT1_CF	blue	na
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chrUn	41213381	41215053	1673 CarSat1	red	na
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chrUn	41215806	41215932	127 Carsat2	orange	na

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chrUn	41280934	41282522	1589	CarSat1	red	na
chrUn	41282553	41284143	1591	CarSat1	red	na
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chrUn	41287672	41289023	1352	CarSat1	red	na
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chrUn	41290677	41292265	1589	CarSat1	red	na
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chrUn	41295532	41297117	1586	CarSat1	red	na
chrUn	41297148	41298733	1586	CarSat1	red	na
chrUn	41298764	41300351	1588	CarSat1	red	na
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chrUn	41317369	41318418	1050	CarSat1	red	na
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chrUn	41320072	41321664	1593	CarSat1	red	na
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chrUn	41330464	41332052	1589	CarSat1	red	na
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chrUn	41335323	41336849	1527	CarSat1	red	na
chrUn	41430934	41432473	1540	CarSat1	red	na
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chrUn	41441795	41442494	700	CarSat1	red	na
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chrUn	41455847	41456558	712	CarSat1	red	na
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chrUn	41461779	41462753	975	CarSat1	red	na
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chrUn	41558925	41565836	6912	CarSat1	red	na
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chrUn	41733607	41734258	652	SAT1_CF	blue	na
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chrUn	41734989	41735671	683 SAT1_CF	blue	na
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chrUn	41772863	41773753	891 SAT1_CF	blue	na
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chrUn	41958537	41959195	659 SAT1_CF	blue	na
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chrUn	41960111	41960274	164 SAT1_CF	blue	na
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chrUn	41960532	41961076	545 SAT1_CF	blue	na
chrUn	41961088	41961773	686 SAT1_CF	blue	na
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chrUn	41962504	41964123	1620 SAT1_CF	blue	na
chrUn	41964134	41964614	481 SAT1_CF	blue	na
chrUn	41964753	41965689	937 SAT1_CF	blue	na
chrUn	41965727	41966227	501 SAT1_CF	blue	na
chrUn	41966249	41967872	1624 SAT1_CF	blue	na
chrUn	41967886	41968448	563 SAT1_CF	blue	na
chrUn	41969856	41970434	579 SAT1_CF	blue	na
chrUn	41970494	41971706	1213 SAT1_CF	blue	na
chrUn	41971982	41973380	1399 SAT1_CF	blue	na
chrUn	41973424	41974352	929 SAT1_CF	blue	na

chrUn	41974365	41975047	683 SAT1_CF	blue	na
chrUn	41975058	41975687	630 SAT1_CF	blue	na
chrUn	41975702	41976404	703 SAT1_CF	blue	na
chrUn	41976430	41977101	672 SAT1_CF	blue	na
chrUn	41977113	41977789	677 SAT1_CF	blue	na
chrUn	41977850	41978722	873 SAT1_CF	blue	na
chrUn	41978735	41978839	105 SAT1_CF	blue	na
chrUn	41978864	41980104	1241 SAT1_CF	blue	na
chrUn	41980151	41981330	1180 SAT1_CF	blue	na
chrUn	41981344	41982331	988 SAT1_CF	blue	na
chrUn	41982358	41982515	158 SAT1_CF	blue	na
chrUn	41982560	41983058	499 SAT1_CF	blue	na
chrUn	41983073	41983182	110 SAT1_CF	blue	na
chrUn	41983203	41983834	632 SAT1_CF	blue	na
chrUn	41983846	41984245	400 SAT1_CF	blue	na
chrUn	41984257	41984776	520 SAT1_CF	blue	na
chrUn	41984822	41985732	911 SAT1_CF	blue	na
chrUn	41985777	41989003	3227 SAT1_CF	blue	na
chrUn	41989016	41989191	176 SAT1_CF	blue	na
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chrUn	41989754	41991767	2014 SAT1_CF	blue	na
chrUn	41991786	41992339	554 SAT1_CF	blue	na
chrUn	41992381	41993010	630 SAT1_CF	blue	na
chrUn	41993038	41993548	511 SAT1_CF	blue	na
chrUn	41993618	41994951	1334 SAT1_CF	blue	na
chrUn	41994963	41995823	861 SAT1_CF	blue	na
chrUn	41995865	41996406	542 SAT1_CF	blue	na
chrUn	41996444	41997492	1049 SAT1_CF	blue	na
chrUn	41997518	41998039	522 SAT1_CF	blue	na
chrUn	41998052	41998734	683 SAT1_CF	blue	na
chrUn	41998746	41999610	865 SAT1_CF	blue	na
chrUn	41999652	42001503	1852 SAT1_CF	blue	na
chrUn	42001524	42002167	644 SAT1_CF	blue	na
chrUn	42117810	42119148	1339 SAT1_CF	blue	na
chrUn	42119165	42120428	1264 SAT1_CF	blue	na
chrUn	42120440	42121201	762 SAT1_CF	blue	na
chrUn	42121214	42121716	503 SAT1_CF	blue	na
chrUn	42121756	42122714	959 SAT1_CF	blue	na
chrUn	42122793	42123755	963 SAT1_CF	blue	na
chrUn	42123798	42124463	666 SAT1_CF	blue	na
chrUn	42124486	42125097	612 SAT1_CF	blue	na
chrUn	42125108	42125661	554 SAT1_CF	blue	na

chrUn	42125704	42126266	563 SAT1_CF	blue	na
chrUn	42126331	42127020	690 SAT1_CF	blue	na
chrUn	42127040	42127695	656 SAT1_CF	blue	na
chrUn	42127709	42128201	493 SAT1_CF	blue	na
chrUn	42128212	42129292	1081 SAT1_CF	blue	na
chrUn	42129303	42129946	644 SAT1_CF	blue	na
chrUn	42129959	42130593	635 SAT1_CF	blue	na
chrUn	42130615	42131136	522 SAT1_CF	blue	na
chrUn	42131183	42131319	137 SAT1_CF	blue	na
chrUn	42131347	42133199	1853 SAT1_CF	blue	na
chrUn	42133242	42133906	665 SAT1_CF	blue	na
chrUn	42133929	42134936	1008 SAT1_CF	blue	na
chrUn	42136338	42136933	596 SAT1_CF	blue	na
chrUn	42136982	42137627	646 SAT1_CF	blue	na
chrUn	42137669	42137981	313 SAT1_CF	blue	na
chrUn	42138023	42138543	521 SAT1_CF	blue	na
chrUn	42138577	42138941	365 SAT1_CF	blue	na
chrUn	42138973	42141759	2787 SAT1_CF	blue	na
chrUn	42141801	42142666	866 SAT1_CF	blue	na
chrUn	42142678	42143231	554 SAT1_CF	blue	na
chrUn	42143252	42143357	106 SAT1_CF	blue	na
chrUn	42143370	42143972	603 SAT1_CF	blue	na
chrUn	42143984	42144616	633 SAT1_CF	blue	na
chrUn	42144673	42146591	1919 SAT1_CF	blue	na
chrUn	42146603	42147158	556 SAT1_CF	blue	na
chrUn	42147179	42147276	98 SAT1_CF	blue	na
chrUn	42147299	42149389	2091 SAT1_CF	blue	na
chrUn	42149416	42149896	481 SAT1_CF	blue	na
chrUn	42149956	42151335	1380 SAT1_CF	blue	na
chrUn	42151378	42153367	1990 SAT1_CF	blue	na
chrUn	42153387	42153882	496 SAT1_CF	blue	na
chrUn	42153927	42154034	108 SAT1_CF	blue	na
chrUn	42154097	42154619	523 SAT1_CF	blue	na
chrUn	42154649	42155463	815 SAT1_CF	blue	na
chrUn	42155476	42157063	1588 SAT1_CF	blue	na
chrUn	42157075	42157758	684 SAT1_CF	blue	na
chrUn	42157770	42158529	760 SAT1_CF	blue	na
chrUn	42158542	42159041	500 SAT1_CF	blue	na
chrUn	42159086	42159241	156 SAT1_CF	blue	na
chrUn	42159453	42160559	1107 SAT1_CF	blue	na
chrUn	42160616	42161140	525 SAT1_CF	blue	na
chrUn	42161158	42162310	1153 SAT1_CF	blue	na

chrUn	42162353	42163250	898 SAT1_CF	blue	na
chrUn	42163272	42163563	292 SAT1_CF	blue	na
chrUn	42163607	42164241	635 SAT1_CF	blue	na
chrUn	42164263	42164784	522 SAT1_CF	blue	na
chrUn	42164831	42164967	137 SAT1_CF	blue	na
chrUn	42164995	42166848	1854 SAT1_CF	blue	na
chrUn	42166891	42169358	2468 SAT1_CF	blue	na
chrUn	42170887	42171474	588 CarSat1	red	na
chrUn	42171675	42172589	915 CarSat1	red	na
chrUn	42172620	42174040	1421 CarSat1	red	na
chrUn	42174245	42174958	714 CarSat1	red	na
chrUn	42183532	42184119	588 CarSat1	red	na
chrUn	42184320	42185418	1099 CarSat1	red	na
chrUn	42185452	42185859	408 CarSat1	red	na
chrUn	42191646	42192655	1010 Sat2CF	purple	na
chrUn	42191709	42192569	861 Sat2CF	purple	na
chrUn	42192884	42193813	930 SAT1_CF	blue	na
chrUn	42193843	42194256	414 SAT1_CF	blue	na
chrUn	42194278	42194679	402 CarSat1	red	na
chrUn	42194698	42196477	1780 CarSat1	red	na
chrUn	42196511	42196916	406 CarSat1	red	na
chrUn	42205957	42206523	567 CarSat1	red	na
chrUn	42206713	42206834	122 CarSat1	red	na
chrUn	42206852	42207647	796 CarSat1	red	na
chrUn	42207674	42208116	443 CarSat1	red	na
chrUn	42208293	42209387	1095 CarSat1	red	na
chrUn	42212041	42212242	202 Sat2CF	purple	na
chrUn	42212082	42213332	1251 Sat2CF	purple	na
chrUn	42212118	42213202	1085 Sat2CF	purple	na
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chrUn	42240233	42241217	985 SAT1_CF	blue	na
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chrUn	42242349	42242991	643 SAT1_CF	blue	na
chrUn	42243003	42243686	684 SAT1_CF	blue	na
chrUn	42243699	42244219	521 SAT1_CF	blue	na
chrUn	42244266	42244423	158 SAT1_CF	blue	na
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chrUn	42245921	42246780	860 SAT1_CF	blue	na
chrUn	42246792	42247305	514 SAT1_CF	blue	na
chrUn	42247327	42247399	73 SAT1_CF	blue	na
chrUn	42247412	42247912	501 SAT1_CF	blue	na
chrUn	42247999	42249220	1222 SAT1_CF	blue	na

chrUn	42249232	42249752	521 SAT1_CF	blue	na
chrUn	42249768	42250256	489 SAT1_CF	blue	na
chrUn	42250299	42250799	501 SAT1_CF	blue	na
chrUn	42250839	42251982	1144 SAT1_CF	blue	na
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chrUn	42252412	42252534	123 SAT1_CF	blue	na
chrUn	42252546	42253796	1251 SAT1_CF	blue	na
chrUn	42253819	42253925	107 SAT1_CF	blue	na
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chrUn	42257459	42259558	2100 SAT1_CF	blue	na
chrUn	42259571	42260273	703 SAT1_CF	blue	na
chrUn	42260288	42260754	467 SAT1_CF	blue	na
chrUn	42260940	42261648	709 SAT1_CF	blue	na
chrUn	42261664	42262207	544 SAT1_CF	blue	na
chrUn	42262249	42263532	1284 SAT1_CF	blue	na
chrUn	42263576	42266035	2460 SAT1_CF	blue	na
chrUn	42381729	42381876	148 SAT1_CF	blue	na
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chrUn	42386221	42386939	719 SAT1_CF	blue	na
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chrUn	42388853	42389353	501 SAT1_CF	blue	na
chrUn	42389367	42390038	672 SAT1_CF	blue	na
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chrUn	42390179	42390724	546 SAT1_CF	blue	na
chrUn	42390756	42391344	589 SAT1_CF	blue	na
chrUn	42391357	42391859	503 SAT1_CF	blue	na
chrUn	42391872	42392666	795 SAT1_CF	blue	na
chrUn	42392678	42393360	683 SAT1_CF	blue	na
chrUn	42393373	42394054	682 SAT1_CF	blue	na
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chrUn	42396364	42397100	737 SAT1_CF	blue	na
chrUn	42397118	42397786	669 SAT1_CF	blue	na
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chrUn	42397969	42398469	501 SAT1_CF	blue	na
chrUn	42398494	42399166	673 SAT1_CF	blue	na
chrUn	42399184	42401132	1949 SAT1_CF	blue	na
chrUn	42401219	42402501	1283 SAT1_CF	blue	na
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chrUn	42404859	42406456	1598 SAT1_CF	blue	na
chrUn	42406468	42407802	1335 SAT1_CF	blue	na
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chrUn	42409250	42411175	1926 SAT1_CF	blue	na
chrUn	42411232	42411817	586 SAT1_CF	blue	na
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chrUn	42412586	42413087	502 SAT1_CF	blue	na
chrUn	42413099	42413826	728 SAT1_CF	blue	na
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chrUn	42416073	42418143	2071 SAT1_CF	blue	na
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chrUn	42422944	42423729	786 SAT1_CF	blue	na
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chrUn	42424364	42425128	765 SAT1_CF	blue	na
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chrUn	42427644	42428317	674 SAT1_CF	blue	na
chrUn	42428356	42430786	2431 SAT1_CF	blue	na
chrUn	42430874	42431458	585 SAT1_CF	blue	na
chrUn	42723233	42726253	3021 Sat7CF	lime	na
chrUn	42723629	42726873	3245 Sat7CF	lime	na
chrUn	42724245	42727460	3216 Sat7CF	lime	na
chrUn	42727628	42730851	3224 Sat7CF	lime	na
chrUn	42728237	42731472	3236 Sat7CF	lime	na
chrUn	42729162	42732540	3379 Sat7CF	lime	na
chrUn	42729779	42733151	3373 Sat7CF	lime	na

chrUn	42732086	42735434	3349 Sat7CF	lime	na
chrUn	42733758	42736977	3220 Sat7CF	lime	na
chrUn	42734373	42737595	3223 Sat7CF	lime	na
chrUn	42737446	42737628	183 Sat7CF	lime	na
chrUn	42762883	42763492	610 SAT1_CF	blue	na
chrUn	42763504	42764059	556 SAT1_CF	blue	na
chrUn	42764080	42764186	107 SAT1_CF	blue	na
chrUn	42764199	42764671	473 SAT1_CF	blue	na
chrUn	42764727	42764802	76 SAT1_CF	blue	na
chrUn	42764813	42765445	633 SAT1_CF	blue	na
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chrUn	42766011	42767336	1326 SAT1_CF	blue	na
chrUn	42767348	42768331	984 SAT1_CF	blue	na
chrUn	42768374	42768898	525 SAT1_CF	blue	na
chrUn	42769010	42769789	780 SAT1_CF	blue	na
chrUn	42769802	42770652	851 SAT1_CF	blue	na
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chrUn	42771368	42772216	849 SAT1_CF	blue	na
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chrUn	42772906	42773520	615 SAT1_CF	blue	na
chrUn	42773565	42774351	787 SAT1_CF	blue	na
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chrUn	42775668	42777018	1351 SAT1_CF	blue	na
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chrUn	42777448	42778704	1257 SAT1_CF	blue	na
chrUn	42778716	42779268	553 SAT1_CF	blue	na
chrUn	42779282	42779362	81 SAT1_CF	blue	na
chrUn	42779375	42780302	928 SAT1_CF	blue	na
chrUn	42780314	42780996	683 SAT1_CF	blue	na
chrUn	42781008	42781768	761 SAT1_CF	blue	na
chrUn	42781781	42783476	1696 SAT1_CF	blue	na
chrUn	42783499	42783604	106 SAT1_CF	blue	na
chrUn	42783617	42784117	501 SAT1_CF	blue	na
chrUn	42784153	42784338	186 SAT1_CF	blue	na
chrUn	42784518	42787269	2752 SAT1_CF	blue	na
chrUn	42787297	42787398	102 SAT1_CF	blue	na
chrUn	42787411	42787931	521 SAT1_CF	blue	na
chrUn	42787948	42788321	374 SAT1_CF	blue	na
chrUn	42788364	42788913	550 SAT1_CF	blue	na
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chrUn	42790898	42792273	1376 SAT1_CF	blue	na

chrUn	42792286	42792805	520 SAT1_CF	blue	na
chrUn	42792824	42793084	261 SAT1_CF	blue	na
chrUn	42793128	42793674	547 SAT1_CF	blue	na
chrUn	42793806	42795116	1311 SAT1_CF	blue	na
chrUn	42795128	42795676	549 SAT1_CF	blue	na
chrUn	42795755	42796080	326 SAT1_CF	blue	na
chrUn	42796105	42797438	1334 SAT1_CF	blue	na
chrUn	42797450	42797931	482 SAT1_CF	blue	na
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chrUn	42800073	42800733	661 SAT1_CF	blue	na
chrUn	42800760	42801274	515 SAT1_CF	blue	na
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chrUn	42801729	42802250	522 SAT1_CF	blue	na
chrUn	42802282	42803992	1711 SAT1_CF	blue	na
chrUn	42804014	42804166	153 SAT1_CF	blue	na
chrUn	42804398	42805919	1522 SAT1_CF	blue	na
chrUn	42805962	42806585	624 SAT1_CF	blue	na
chrUn	42806596	42807264	669 SAT1_CF	blue	na
chrUn	42807291	42807792	502 SAT1_CF	blue	na
chrUn	42807858	42808756	899 SAT1_CF	blue	na
chrUn	42808817	42810041	1225 SAT1_CF	blue	na
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chrUn	42811635	42811913	279 SAT1_CF	blue	na
chrUn	42812937	42814136	1200 CarSat1	red	na
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chrUn	42819627	42823623	3997 CarSat1	red	na
chrUn	42823653	42826361	2709 CarSat1	red	na
chrUn	42826394	42829801	3408 CarSat1	red	na
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chrUn	42835650	42838589	2940 CarSat1	red	na
chrUn	42838661	42839105	445 CarSat1	red	na
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chrUn	42839385	42840788	1404 CarSat1	red	na
chrUn	42840818	42841923	1106 CarSat1	red	na
chrUn	42842952	42844045	1094 CarSat1	red	na
chrUn	42844776	42845225	450 CarSat1	red	na
chrUn	42845240	42845367	128 Carsat2	orange	na
chrUn	42845255	42847946	2692 CarSat1	red	na

chrUn	42847972	42848987	1016	CarSat1	red	na
chrUn	42849731	42851220	1490	CarSat1	red	na
chrUn	42851254	42851441	188	Carsat2	orange	na
chrUn	42851273	42852983	1711	CarSat1	red	na
chrUn	42853007	42854676	1670	CarSat1	red	na
chrUn	42854691	42854817	127	Carsat2	orange	na
chrUn	42854706	42855412	707	CarSat1	red	na
chrUn	42855442	42856415	974	CarSat1	red	na
chrUn	42856426	42857799	1374	CarSat1	red	na
chrUn	42857829	42859273	1445	CarSat1	red	na
chrUn	42859288	42859415	128	Carsat2	orange	na
chrUn	42859303	42860011	709	CarSat1	red	na
chrUn	42860041	42860527	487	CarSat1	red	na
chrUn	42860551	42861124	574	CarSat1	red	na
chrUn	42861183	42862892	1710	CarSat1	red	na
chrUn	42862904	42863850	947	CarSat1	red	na
chrUn	42863880	42864441	562	CarSat1	red	na
chrUn	42864626	42865170	545	CarSat1	red	na
chrUn	42865419	42865545	127	Carsat2	orange	na
chrUn	42865434	42866405	972	CarSat1	red	na
chrUn	42866417	42866845	429	CarSat1	red	na
chrUn	42869079	42870662	1584	CarSat1	red	na
chrUn	42891186	42891555	370	Sat15CF	na	na
chrUn	42891186	42891555	370	Sat15CF	na	na
chrUn	42891613	42891869	257	Sat15CF	na	na
chrUn	42891613	42891869	257	Sat15CF	na	na
chrUn	42907948	42908402	455	CarSat1	red	na
chrUn	42947299	42947582	284	SAT1_CF	blue	na
chrUn	42948992	42949562	571	SAT1_CF	blue	na
chrUn	42949605	42950099	495	SAT1_CF	blue	na
chrUn	42950119	42950795	677	SAT1_CF	blue	na
chrUn	42950839	42951630	792	SAT1_CF	blue	na
chrUn	42951654	42952419	766	SAT1_CF	blue	na
chrUn	42952431	42954014	1584	SAT1_CF	blue	na
chrUn	42954032	42954919	888	SAT1_CF	blue	na
chrUn	42955036	42955574	539	SAT1_CF	blue	na
chrUn	42955594	42955701	108	SAT1_CF	blue	na
chrUn	42955722	42956295	574	SAT1_CF	blue	na
chrUn	42956307	42957534	1228	SAT1_CF	blue	na
chrUn	42957547	42957653	107	SAT1_CF	blue	na
chrUn	42957676	42958630	955	SAT1_CF	blue	na
chrUn	42958670	42959168	499	SAT1_CF	blue	na

chrUn	42959180	42960891	1712 SAT1_CF	blue	na
chrUn	42960919	42961075	157 SAT1_CF	blue	na
chrUn	42961120	42961619	500 SAT1_CF	blue	na
chrUn	42961633	42962321	689 SAT1_CF	blue	na
chrUn	42962333	42963243	911 SAT1_CF	blue	na
chrUn	42963271	42964194	924 SAT1_CF	blue	na
chrUn	42964234	42965057	824 SAT1_CF	blue	na
chrUn	42965068	42965558	491 SAT1_CF	blue	na
chrUn	42965674	42966550	877 SAT1_CF	blue	na
chrUn	42966636	42967136	501 SAT1_CF	blue	na
chrUn	42967149	42968468	1320 SAT1_CF	blue	na
chrUn	42968512	42969480	969 SAT1_CF	blue	na
chrUn	42969525	42969894	370 SAT1_CF	blue	na
chrUn	42969911	42970430	520 SAT1_CF	blue	na
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chrUn	42972117	42972661	545 SAT1_CF	blue	na
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chrUn	42973605	42973970	366 SAT1_CF	blue	na
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chrUn	42976987	42977949	963 SAT1_CF	blue	na
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chrUn	42979376	42980045	670 SAT1_CF	blue	na
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chrUn	42980272	42980815	544 SAT1_CF	blue	na
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chrUn	42981982	42982655	674 SAT1_CF	blue	na
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chrUn	42988023	42988537	515 SAT1_CF	blue	na
chrUn	42988566	42991310	2745 SAT1_CF	blue	na
chrUn	42991321	42991806	486 SAT1_CF	blue	na
chrUn	42991826	42993191	1366 SAT1_CF	blue	na
chrUn	42993291	42994413	1123 SAT1_CF	blue	na
chrUn	42994424	42995710	1287 SAT1_CF	blue	na

chrUn	43124416	43125300	885 SAT1_CF	blue	na
chrUn	43159559	43160232	674 Sat29CF	na	na
chrUn	43160020	43160258	239 Sat29CF	na	na
chrUn	43228275	43229433	1159 Sat2CF	purple	na
chrUn	43247482	43248648	1167 Sat2CF	purple	na
chrUn	43274152	43274706	555 SAT1_CF	blue	na
chrUn	43274793	43275148	356 SAT1_CF	blue	na
chrUn	43275161	43275705	545 SAT1_CF	blue	na
chrUn	43275749	43276592	844 SAT1_CF	blue	na
chrUn	43276612	43278155	1544 SAT1_CF	blue	na
chrUn	43278168	43278670	503 SAT1_CF	blue	na
chrUn	43278710	43279112	403 SAT1_CF	blue	na
chrUn	43279125	43279632	508 SAT1_CF	blue	na
chrUn	43279717	43280489	773 SAT1_CF	blue	na
chrUn	43280531	43281391	861 SAT1_CF	blue	na
chrUn	43281404	43281962	559 SAT1_CF	blue	na
chrUn	43281982	43282090	109 SAT1_CF	blue	na
chrUn	43282103	43282623	521 SAT1_CF	blue	na
chrUn	43282648	43282804	157 SAT1_CF	blue	na
chrUn	43283017	43284170	1154 SAT1_CF	blue	na
chrUn	43284183	43285221	1039 SAT1_CF	blue	na
chrUn	43285264	43285938	675 SAT1_CF	blue	na
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chrUn	43286721	43287223	503 SAT1_CF	blue	na
chrUn	43287266	43287447	182 SAT1_CF	blue	na
chrUn	43287494	43288039	546 SAT1_CF	blue	na
chrUn	43288118	43288621	504 SAT1_CF	blue	na
chrUn	43289331	43290195	865 SAT1_CF	blue	na
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chrUn	43290669	43291341	673 SAT1_CF	blue	na
chrUn	43291353	43292038	686 SAT1_CF	blue	na
chrUn	43292049	43292551	503 SAT1_CF	blue	na
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chrUn	43294046	43294902	857 SAT1_CF	blue	na
chrUn	43294914	43295929	1016 SAT1_CF	blue	na
chrUn	43295952	43296025	74 SAT1_CF	blue	na
chrUn	43296036	43296538	503 SAT1_CF	blue	na
chrUn	43296584	43296758	175 SAT1_CF	blue	na
chrUn	43296940	43297176	237 SAT1_CF	blue	na
chrUn	43298971	43300277	1307 SAT1_CF	blue	na
chrUn	43300306	43301373	1068 SAT1_CF	blue	na
chrUn	43301495	43302863	1369 SAT1_CF	blue	na

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chrUn	43304877	43304982	106 SAT1_CF	blue	na
chrUn	43304995	43305573	579 SAT1_CF	blue	na
chrUn	43305653	43306262	610 SAT1_CF	blue	na
chrUn	43306282	43307440	1159 SAT1_CF	blue	na
chrUn	43307452	43308083	632 SAT1_CF	blue	na
chrUn	43308106	43308309	204 SAT1_CF	blue	na
chrUn	43310985	43311716	732 SAT1_CF	blue	na
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chrUn	43311857	43312337	481 SAT1_CF	blue	na
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chrUn	43317582	43318259	678 SAT1_CF	blue	na
chrUn	43318271	43318896	626 SAT1_CF	blue	na
chrUn	43318909	43319430	522 SAT1_CF	blue	na
chrUn	43319447	43319820	374 SAT1_CF	blue	na
chrUn	43319863	43320387	525 SAT1_CF	blue	na
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chrUn	43320528	43321650	1123 SAT1_CF	blue	na
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chrUn	43324844	43324915	72 SAT1_CF	blue	na
chrUn	43324928	43325689	762 SAT1_CF	blue	na
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chrUn	43327530	43328138	609 SAT1_CF	blue	na
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chrUn	43328722	43330215	1494 SAT1_CF	blue	na
chrUn	43330258	43330933	676 SAT1_CF	blue	na
chrUn	43330945	43331639	695 SAT1_CF	blue	na
chrUn	43331666	43332176	511 SAT1_CF	blue	na
chrUn	43332219	43332763	545 SAT1_CF	blue	na
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chrUn	43332990	43333536	547 SAT1_CF	blue	na
chrUn	43333556	43333665	110 SAT1_CF	blue	na
chrUn	43333677	43334232	556 SAT1_CF	blue	na
chrUn	43334255	43334363	109 SAT1_CF	blue	na
chrUn	43334375	43334893	519 SAT1_CF	blue	na

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chrUn	43339208	43341603	2396 SAT1_CF	blue	na
chrUn	43341631	43342262	632 SAT1_CF	blue	na
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chrUn	43342870	43342979	110 SAT1_CF	blue	na
chrUn	43342991	43344589	1599 SAT1_CF	blue	na
chrUn	43344601	43345568	968 SAT1_CF	blue	na
chrUn	43345612	43346155	544 SAT1_CF	blue	na
chrUn	43346197	43348193	1997 SAT1_CF	blue	na
chrUn	43348206	43348707	502 SAT1_CF	blue	na
chrUn	43348760	43349682	923 SAT1_CF	blue	na
chrUn	43349699	43350741	1043 SAT1_CF	blue	na
chrUn	43350762	43352507	1746 SAT1_CF	blue	na
chrUn	43352553	43353188	636 SAT1_CF	blue	na
chrUn	43353200	43353753	554 SAT1_CF	blue	na
chrUn	43353796	43354451	656 SAT1_CF	blue	na
chrUn	43354475	43355155	681 SAT1_CF	blue	na
chrUn	43355168	43355670	503 SAT1_CF	blue	na
chrUn	43355710	43356667	958 SAT1_CF	blue	na
chrUn	43356746	43358116	1371 SAT1_CF	blue	na
chrUn	43358127	43359602	1476 SAT1_CF	blue	na
chrUn	43359643	43360356	714 SAT1_CF	blue	na
chrUn	43360368	43360869	502 SAT1_CF	blue	na
chrUn	43360922	43361867	946 SAT1_CF	blue	na
chrUn	43361946	43362906	961 SAT1_CF	blue	na
chrUn	43362949	43363752	804 SAT1_CF	blue	na
chrUn	43363766	43364463	698 SAT1_CF	blue	na
chrUn	43364505	43365050	546 SAT1_CF	blue	na
chrUn	43365093	43365776	684 SAT1_CF	blue	na
chrUn	43365788	43366998	1211 SAT1_CF	blue	na
chrUn	43367024	43367543	520 SAT1_CF	blue	na
chrUn	43367590	43367726	137 SAT1_CF	blue	na
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chrUn	43371397	43371878	482 SAT1_CF	blue	na
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chrUn	43372497	43373043	547 SAT1_CF	blue	na
chrUn	43373057	43374198	1142 SAT1_CF	blue	na
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chrUn	43527709	43528476	768 CarSat1	red	na
chrUn	43546005	43546850	846 Sat2CF	purple	na
chrUn	43546113	43546836	724 Sat2CF	purple	na
chrUn	43561688	43561934	247 Sat2CF	purple	na
chrUn	43561724	43561940	217 Sat2CF	purple	na
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chrUn	43599104	43599957	854 CarSat1	red	na
chrUn	43599978	43600869	892 CarSat1	red	na
chrUn	43726018	43726262	245 CarSat1	red	na
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chrUn	43770166	43771393	1228 Sat2CF	purple	na
chrUn	43810807	43811628	822 Sat2CF	purple	na
chrUn	43810881	43811606	726 Sat2CF	purple	na
chrUn	43811498	43811665	168 Sat2CF	purple	na
chrUn	43833894	43834245	352 Sat2CF	purple	na
chrUn	43833921	43834311	391 Sat2CF	purple	na
chrUn	43846306	43846483	178 Sat2CF	purple	na
chrUn	43846325	43847432	1108 Sat2CF	purple	na
chrUn	43884378	43884875	498 Sat11CF	na	na
chrUn	43884516	43884875	360 Sat11CF	na	na

chrUn	43885110	43885280	171 Sat11CF	na	na
chrUn	43943777	43944244	468 Sat11CF	na	na
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chrUn	43994465	43995418	954 Sat7CF	lime	na
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chrUn	44202465	44202588	124 Sat2CF	purple	na
chrUn	44202496	44203157	662 Sat2CF	purple	na
chrUn	44214480	44214950	471 Sat2CF	purple	na
chrUn	44214532	44215016	485 Sat2CF	purple	na
chrUn	44236514	44237435	922 Sat2CF	purple	na
chrUn	44236577	44237389	813 Sat2CF	purple	na
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chrUn	44267533	44267675	143 CarSat1	red	na
chrUn	44267722	44268547	826 CarSat1	red	na
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chrUn	44307102	44307381	280 Sat15CF	na	na
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chrUn	44462357	44463244	888 CarSat1	red	na
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chrUn	44463274	44463759	486 CarSat1	red	na
chrUn	44463792	44465786	1995 CarSat1	red	na
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chrUn	44475154	44475288	135 CarSat1	red	na
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chrUn	44511657	44512334	678 Sat2CF	purple	na
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chrUn	44796650	44797726	1077 Sat2CF	purple	na
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chrUn	44831620	44832323	704 CarSat1	red	na
chrUn	44832345	44834314	1970 CarSat1	red	na
chrUn	44834316	44834751	436 SAT1_CF	blue	na
chrUn	44835751	44836362	612 SAT1_CF	blue	na

chrUn	44836404	44837775	1372	SAT1_CF	blue	na
chrUn	44837788	44838670	883	SAT1_CF	blue	na
chrUn	44838693	44839373	681	SAT1_CF	blue	na
chrUn	44839393	44839887	495	SAT1_CF	blue	na
chrUn	44839974	44840456	483	SAT1_CF	blue	na
chrUn	44840488	44841103	616	CarSat1	red	na
chrUn	44841118	44841244	127	Carsat2	orange	na
chrUn	44841133	44844561	3429	CarSat1	red	na
chrUn	44844594	44846257	1664	CarSat1	red	na
chrUn	44846287	44848252	1966	CarSat1	red	na
chrUn	44848277	44849204	928	CarSat1	red	na
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chrUn	44857763	44858470	708	CarSat1	red	na
chrUn	44858485	44858611	127	Carsat2	orange	na
chrUn	44858500	44859207	708	CarSat1	red	na
chrUn	44859237	44859944	708	CarSat1	red	na
chrUn	44859959	44860085	127	Carsat2	orange	na
chrUn	44859974	44862153	2180	CarSat1	red	na
chrUn	44862183	44862668	486	CarSat1	red	na
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chrUn	44872530	44873016	487	CarSat1	red	na
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chrUn	44876210	44876337	128	Carsat2	orange	na
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chrUn	44876734	44878197	1464	CarSat1	red	na
chrUn	44878213	44879146	934	CarSat1	red	na
chrUn	44879161	44879287	127	Carsat2	orange	na
chrUn	44879176	44880030	855	CarSat1	red	na

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chrUn	44944016	44944278	263 SAT1_CF	blue	na
chrUn	44944322	44944869	548 SAT1_CF	blue	na
chrUn	44944912	44945474	563 SAT1_CF	blue	na
chrUn	44945497	44945603	107 SAT1_CF	blue	na
chrUn	44945616	44946140	525 SAT1_CF	blue	na
chrUn	44946166	44946323	158 SAT1_CF	blue	na
chrUn	44946535	44947742	1208 SAT1_CF	blue	na
chrUn	44947770	44949685	1916 SAT1_CF	blue	na
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chrUn	44949883	44951208	1326 SAT1_CF	blue	na
chrUn	44951231	44951723	493 SAT1_CF	blue	na
chrUn	44951768	44951923	156 SAT1_CF	blue	na
chrUn	44952151	44952656	506 SAT1_CF	blue	na
chrUn	44952699	44953229	531 SAT1_CF	blue	na
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chrUn	44953932	44955304	1373 SAT1_CF	blue	na
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chrUn	44958587	44958941	355 SAT1_CF	blue	na
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chrUn	44971740	44972011	272 SAT1_CF	blue	na
chrUn	44972069	44973153	1085 SAT1_CF	blue	na
chrUn	44973165	44974236	1072 SAT1_CF	blue	na
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chrUn	44975965	44976070	106 SAT1_CF	blue	na

chrUn	44976083	44976783	701 SAT1_CF	blue	na
chrUn	44977045	44977367	323 SAT1_CF	blue	na
chrUn	44977414	44977956	543 SAT1_CF	blue	na
chrUn	44978000	44978676	677 SAT1_CF	blue	na
chrUn	44978690	44979367	678 SAT1_CF	blue	na
chrUn	44979379	44980061	683 SAT1_CF	blue	na
chrUn	44980074	44980773	700 SAT1_CF	blue	na
chrUn	44980801	44982437	1637 SAT1_CF	blue	na
chrUn	44982506	44983350	845 SAT1_CF	blue	na
chrUn	44983363	44984642	1280 SAT1_CF	blue	na
chrUn	44984667	44985269	603 SAT1_CF	blue	na
chrUn	44986274	44986832	559 CarSat1	red	na
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chrUn	45023957	45025281	1325 CarSat1	red	na
chrUn	45025308	45026155	848 CarSat1	red	na
chrUn	45026194	45027157	964 CarSat1	red	na
chrUn	45027173	45028135	963 CarSat1	red	na
chrUn	45028162	45028871	710 CarSat1	red	na
chrUn	45028898	45029810	913 CarSat1	red	na
chrUn	45031610	45032796	1187 CarSat1	red	na
chrUn	45043854	45044570	717 Sat2CF	purple	na
chrUn	45043931	45044638	708 Sat2CF	purple	na
chrUn	45091704	45092653	950 CarSat1	red	na
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chrUn	45093550	45094019	470 CarSat1	red	na
chrUn	45094204	45094552	349 CarSat1	red	na
chrUn	45094765	45095414	650 CarSat1	red	na
chrUn	45095518	45096366	849 CarSat1	red	na
chrUn	45096387	45097172	786 CarSat1	red	na
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chrUn	45098050	45098523	474 CarSat1	red	na
chrUn	45098540	45099980	1441 CarSat1	red	na
chrUn	45099983	45100369	387 SAT1_CF	blue	na
chrUn	45100380	45105339	4960 SAT1_CF	blue	na
chrUn	45105358	45105881	524 SAT1_CF	blue	na
chrUn	45105908	45106644	737 SAT1_CF	blue	na
chrUn	45106661	45108201	1541 SAT1_CF	blue	na
chrUn	45108254	45108364	111 SAT1_CF	blue	na
chrUn	45108393	45109132	740 SAT1_CF	blue	na

chrUn	45109127	45109851	725	CarSat1	red	na
chrUn	45110000	45111461	1462	CarSat1	red	na
chrUn	45111479	45113451	1973	CarSat1	red	na
chrUn	45113442	45114538	1097	SAT1_CF	blue	na
chrUn	45114550	45115954	1405	SAT1_CF	blue	na
chrUn	45115997	45117389	1393	SAT1_CF	blue	na
chrUn	45117409	45118561	1153	SAT1_CF	blue	na
chrUn	45118556	45119274	719	CarSat1	red	na
chrUn	45119432	45119715	284	CarSat1	red	na
chrUn	45121459	45122023	565	SAT1_CF	blue	na
chrUn	45122095	45122767	673	SAT1_CF	blue	na
chrUn	45122779	45123461	683	SAT1_CF	blue	na
chrUn	45123474	45123956	483	SAT1_CF	blue	na
chrUn	45124032	45124407	376	SAT1_CF	blue	na
chrUn	45124418	45126040	1623	SAT1_CF	blue	na
chrUn	45126083	45126913	831	SAT1_CF	blue	na
chrUn	45127254	45128936	1683	SAT1_CF	blue	na
chrUn	45128956	45129094	139	SAT1_CF	blue	na
chrUn	45131061	45131831	771	SAT1_CF	blue	na
chrUn	45131845	45132346	502	SAT1_CF	blue	na
chrUn	45133346	45134023	678	SAT1_CF	blue	na
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chrUn	45137958	45139326	1369	SAT1_CF	blue	na
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chrUn	45143910	45144578	669	SAT1_CF	blue	na
chrUn	45144590	45146551	1962	SAT1_CF	blue	na
chrUn	45146595	45147807	1213	SAT1_CF	blue	na
chrUn	45147828	45148450	623	SAT1_CF	blue	na
chrUn	45148536	45149037	502	SAT1_CF	blue	na
chrUn	45149086	45149625	540	SAT1_CF	blue	na
chrUn	45149674	45150345	672	SAT1_CF	blue	na
chrUn	45150357	45151038	682	SAT1_CF	blue	na
chrUn	45151050	45151681	632	SAT1_CF	blue	na
chrUn	45151736	45154787	3052	SAT1_CF	blue	na
chrUn	45154800	45155354	555	SAT1_CF	blue	na
chrUn	45155424	45156030	607	SAT1_CF	blue	na
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chrUn	45156944	45157135	192 SAT1_CF	blue	na
chrUn	45157268	45157806	539 SAT1_CF	blue	na
chrUn	45157854	45159072	1219 SAT1_CF	blue	na
chrUn	45159093	45160948	1856 SAT1_CF	blue	na
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chrUn	45163544	45164064	521 SAT1_CF	blue	na
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chrUn	45165946	45166491	546 SAT1_CF	blue	na
chrUn	45166513	45167399	887 SAT1_CF	blue	na
chrUn	45224796	45225006	211 Sat2CF	purple	na
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chrUn	45321206	45321529	324 SAT1_CF	blue	na
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chrUn	45322750	45323916	1167 SAT1_CF	blue	na
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chrUn	45325082	45326291	1210 SAT1_CF	blue	na
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chrUn	45328435	45330492	2058 SAT1_CF	blue	na
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chrUn	45341114	45341785	672 CarSat1	red	na
chrUn	45341806	45346680	4875 CarSat1	red	na
chrUn	45346712	45347195	484 CarSat1	red	na
chrUn	45347228	45347931	704 CarSat1	red	na
chrUn	45347961	45348888	928 CarSat1	red	na
chrUn	45348913	45350361	1449 CarSat1	red	na
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chrUn	45355540	45356254	715 CarSat1	red	na
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chrUn	45359962	45362156	2195 CarSat1	red	na
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chrUn	45362909	45365829	2921 CarSat1	red	na
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chrUn	45369324	45370248	925 CarSat1	red	na
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chrUn	45371746	45372456	711 CarSat1	red	na
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chrUn	45389911	45390668	758 SAT1_CF	blue	na
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chrUn	45393958	45394634	677 SAT1_CF	blue	na
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chrUn	45395188	45396931	1744 SAT1_CF	blue	na
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chrUn	45657314	45658013	700 Sat2CF	purple	na
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chrUn	45774724	45774925	202 SAT1_CF	blue	na
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chrUn	45843876	45847952	4077 SAT1_CF	blue	na
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chrUn	45866945	45867102	158 SAT1_CF	blue	na
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chrUn	45867669	45868264	596 SAT1_CF	blue	na
chrUn	45868276	45868955	680 SAT1_CF	blue	na
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chrUn	45918810	45919309	500 SAT1_CF	blue	na
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chrUn	46126834	46127356	523 SAT1_CF	blue	na
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chrUn	46251847	46251970	124	Carsat2	orange	na
chrUn	46251862	46252573	712	CarSat1	red	na
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chrUn	46253322	46253448	127	Carsat2	orange	na
chrUn	46253337	46254045	709	CarSat1	red	na
chrUn	46254075	46255052	978	CarSat1	red	na
chrUn	46255073	46255518	446	CarSat1	red	na
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chrUn	46256271	46256394	124	Carsat2	orange	na
chrUn	46256286	46257999	1714	CarSat1	red	na
chrUn	46258029	46258740	712	CarSat1	red	na
chrUn	46259824	46261370	1547	CarSat1	red	na
chrUn	46261385	46261499	115	Carsat2	orange	na
chrUn	46261400	46261885	486	CarSat1	red	na
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chrUn	46511642	46513936	2295	SAT1_CF	blue	na
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chrUn	46515140	46516514	1375	CarSat1	red	na
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chrUn	46541762	46542164	403	SAT1_CF	blue	na
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chrUn	46548875	46550463	1589	SAT1_CF	blue	na
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chrUn	46558021	46559316	1296	SAT1_CF	blue	na
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chrUn	46652767	46652874	108 SAT1_CF	blue	na
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chrUn	46661844	46662380	537	SAT1_CF	blue	na
chrUn	46662459	46664370	1912	SAT1_CF	blue	na
chrUn	46666832	46667060	229	SAT1_CF	blue	na
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chrUn	47525209	47526051	843	SAT1_CF	blue	na
chrUn	47528049	47528547	499	SAT1_CF	blue	na
chrUn	47528566	47529118	553	SAT1_CF	blue	na
chrUn	47529161	47529744	584	SAT1_CF	blue	na
chrUn	47531163	47531600	438	SAT1_CF	blue	na
chrUn	47531625	47532502	878	SAT1_CF	blue	na
chrUn	47532515	47533063	549	SAT1_CF	blue	na
chrUn	47533083	47533748	666	SAT1_CF	blue	na
chrUn	47533791	47535413	1623	SAT1_CF	blue	na
chrUn	47535427	47535893	467	SAT1_CF	blue	na
chrUn	47536656	47537210	555	SAT1_CF	blue	na
chrUn	47537223	47537294	72	SAT1_CF	blue	na
chrUn	47537317	47537867	551	SAT1_CF	blue	na
chrUn	47537885	47538424	540	SAT1_CF	blue	na
chrUn	47539925	47540698	774	SAT1_CF	blue	na
chrUn	47540715	47541355	641	SAT1_CF	blue	na
chrUn	47543340	47543960	621	SAT1_CF	blue	na
chrUn	47544002	47544982	981	SAT1_CF	blue	na
chrUn	47545026	47545160	135	SAT1_CF	blue	na
chrUn	47545172	47545712	541	SAT1_CF	blue	na
chrUn	47545724	47546041	318	SAT1_CF	blue	na
chrUn	47546116	47546686	571	SAT1_CF	blue	na
chrUn	47546705	47547257	553	SAT1_CF	blue	na
chrUn	47547306	47547629	324	SAT1_CF	blue	na
chrUn	47547877	47548188	312	SAT1_CF	blue	na
chrUn	47548215	47548962	748	SAT1_CF	blue	na

chrUn	47548982	47549047	66 SAT1_CF	blue	na
chrUn	47549069	47549593	525 SAT1_CF	blue	na
chrUn	47549650	47550762	1113 SAT1_CF	blue	na
chrUn	47553707	47554954	1248 SAT1_CF	blue	na
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chrUn	47558159	47558297	139 SAT1_CF	blue	na
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chrUn	47558864	47559270	407 SAT1_CF	blue	na
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chrUn	47564871	47565632	762 SAT1_CF	blue	na
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chrUn	47568890	47569675	786 SAT1_CF	blue	na
chrUn	47569720	47570884	1165 SAT1_CF	blue	na
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chrUn	47574369	47574935	567 SAT1_CF	blue	na
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chrUn	47594848	47596299	1452 SAT1_CF	blue	na
chrUn	47596484	47596950	467 SAT1_CF	blue	na
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chrUn	47601028	47601704	677 SAT1_CF	blue	na
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chrUn	47605166	47606248	1083	SAT1_CF	blue	na
chrUn	47606263	47606420	158	SAT1_CF	blue	na
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chrUn	47610943	47611571	629	SAT1_CF	blue	na
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chrUn	47625397	47625971	575	SAT1_CF	blue	na
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chrUn	47628675	47629549	875	SAT1_CF	blue	na
chrUn	47629574	47630115	542	SAT1_CF	blue	na
chrUn	47630212	47630889	678	SAT1_CF	blue	na
chrUn	47630901	47631456	556	SAT1_CF	blue	na
chrUn	47631477	47631576	100	SAT1_CF	blue	na
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chrUn	47633664	47634144	481	SAT1_CF	blue	na
chrUn	47634217	47635134	918	SAT1_CF	blue	na
chrUn	47635183	47635730	548	SAT1_CF	blue	na
chrUn	47635751	47635860	110	SAT1_CF	blue	na
chrUn	47635872	47636245	374	SAT1_CF	blue	na
chrUn	47636273	47636989	717	SAT1_CF	blue	na
chrUn	47637001	47638651	1651	SAT1_CF	blue	na
chrUn	47638669	47639429	761	SAT1_CF	blue	na
chrUn	47639442	47640449	1008	SAT1_CF	blue	na
chrUn	47640473	47641019	547	SAT1_CF	blue	na
chrUn	47641063	47641212	150	SAT1_CF	blue	na
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chrUn	47645452	47645950	499 SAT1_CF	blue	na
chrUn	47645968	47646526	559 SAT1_CF	blue	na
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chrUn	47649890	47651131	1242 SAT1_CF	blue	na
chrUn	47651153	47651260	108 SAT1_CF	blue	na
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chrUn	47651991	47652515	525 SAT1_CF	blue	na
chrUn	47652558	47653830	1273 SAT1_CF	blue	na
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chrUn	47654437	47654553	117 SAT1_CF	blue	na
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chrUn	47673506	47674819	1314 SAT1_CF	blue	na
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chrUn	47676574	47677683	1110 SAT1_CF	blue	na
chrUn	47677736	47678236	501 SAT1_CF	blue	na
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chrUn	47679750	47680283	534 SAT1_CF	blue	na
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chrUn	47690182	47690963	782 SAT1_CF	blue	na
chrUn	47691042	47691551	510 SAT1_CF	blue	na
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chrUn	47741168	47741720	553 SAT1_CF	blue	na
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chrUn	47743148	47743689	542 SAT1_CF	blue	na
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chrUn	47748615	47749112	498 SAT1_CF	blue	na
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chrUn	47756820	47758864	2045 SAT1_CF	blue	na
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chrUn	47981450	47981995	546	SAT1_CF	blue	na
chrUn	47982033	47982380	348	SAT1_CF	blue	na
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chrUn	47997639	47997919	281	SAT1_CF	blue	na
chrUn	47998102	47998381	280	SAT1_CF	blue	na
chrUn	47998424	47999414	991	SAT1_CF	blue	na
chrUn	47999481	48000246	766	SAT1_CF	blue	na
chrUn	48000293	48000814	522	SAT1_CF	blue	na
chrUn	48000825	48001500	676	SAT1_CF	blue	na
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chrUn	48006432	48007132	701 SAT1_CF	blue	na
chrUn	48007145	48008520	1376 SAT1_CF	blue	na
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chrUn	48010148	48010734	587 SAT1_CF	blue	na
chrUn	48012122	48013129	1008 SAT1_CF	blue	na
chrUn	48013152	48014124	973 SAT1_CF	blue	na
chrUn	48015142	48021983	6842 CarSat1	red	na
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chrUn	48026113	48028300	2188 CarSat1	red	na
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chrUn	48042458	48045073	2616 CarSat1	red	na
chrUn	48045097	48046037	941 CarSat1	red	na
chrUn	48046067	48046650	584 CarSat1	red	na
chrUn	48048078	48048980	903 CarSat1	red	na
chrUn	48049010	48050234	1225 CarSat1	red	na
chrUn	48050267	48053176	2910 CarSat1	red	na
chrUn	48053200	48055598	2399 CarSat1	red	na
chrUn	48055619	48055746	128 Carsat2	orange	na
chrUn	48055634	48056345	712 CarSat1	red	na
chrUn	48056360	48056486	127 Carsat2	orange	na
chrUn	48056375	48057080	706 CarSat1	red	na
chrUn	48057095	48057222	128 Carsat2	orange	na
chrUn	48057110	48058554	1445 CarSat1	red	na
chrUn	48058569	48058696	128 Carsat2	orange	na
chrUn	48058584	48059290	707 CarSat1	red	na
chrUn	48059305	48059431	127 Carsat2	orange	na
chrUn	48059320	48060027	708 CarSat1	red	na
chrUn	48060042	48060169	128 Carsat2	orange	na
chrUn	48060057	48060764	708 CarSat1	red	na
chrUn	48060794	48061501	708 CarSat1	red	na
chrUn	48061516	48061643	128 Carsat2	orange	na
chrUn	48061531	48063711	2181 CarSat1	red	na
chrUn	48063741	48066282	2542 CarSat1	red	na
chrUn	48077047	48078079	1033 Sat2CF	purple	na

chrUn	48077165	48078028	864 Sat2CF	purple	na
chrUn	48103807	48105096	1290 SAT1_CF	blue	na
chrUn	48105139	48105462	324 SAT1_CF	blue	na
chrUn	48105492	48106005	514 SAT1_CF	blue	na
chrUn	48106039	48106666	628 SAT1_CF	blue	na
chrUn	48106708	48107707	1000 SAT1_CF	blue	na
chrUn	48107751	48108668	918 SAT1_CF	blue	na
chrUn	48108711	48109212	502 SAT1_CF	blue	na
chrUn	48109229	48109907	679 SAT1_CF	blue	na
chrUn	48109920	48110029	110 SAT1_CF	blue	na
chrUn	48110049	48112568	2520 SAT1_CF	blue	na
chrUn	48112611	48113157	547 SAT1_CF	blue	na
chrUn	48113201	48114087	887 SAT1_CF	blue	na
chrUn	48114106	48114658	553 SAT1_CF	blue	na
chrUn	48114701	48116702	2002 SAT1_CF	blue	na
chrUn	48116742	48117243	502 SAT1_CF	blue	na
chrUn	48117256	48117940	685 SAT1_CF	blue	na
chrUn	48117951	48119395	1445 SAT1_CF	blue	na
chrUn	48119411	48119572	162 SAT1_CF	blue	na
chrUn	48119586	48120535	950 SAT1_CF	blue	na
chrUn	48120547	48121437	891 SAT1_CF	blue	na
chrUn	48121450	48122741	1292 SAT1_CF	blue	na
chrUn	48122783	48124526	1744 SAT1_CF	blue	na
chrUn	48124564	48126963	2400 SAT1_CF	blue	na
chrUn	48126983	48127183	201 SAT1_CF	blue	na
chrUn	48127196	48128737	1542 SAT1_CF	blue	na
chrUn	48128779	48131421	2643 SAT1_CF	blue	na
chrUn	48131435	48132124	690 SAT1_CF	blue	na
chrUn	48132136	48132816	681 SAT1_CF	blue	na
chrUn	48132865	48134470	1606 SAT1_CF	blue	na
chrUn	48134514	48135312	799 SAT1_CF	blue	na
chrUn	48135325	48136006	682 SAT1_CF	blue	na
chrUn	48136024	48136729	706 SAT1_CF	blue	na
chrUn	48136762	48137326	565 SAT1_CF	blue	na
chrUn	48137387	48137868	482 SAT1_CF	blue	na
chrUn	48137881	48138682	802 SAT1_CF	blue	na
chrUn	48138710	48139332	623 SAT1_CF	blue	na
chrUn	48252182	48252513	332 Sat2CF	purple	na
chrUn	48252213	48252387	175 Sat2CF	purple	na
chrUn	48252223	48252707	485 Sat2CF	purple	na
chrUn	48267670	48268468	799 Sat2CF	purple	na
chrUn	48268350	48268518	169 Sat2CF	purple	na

chrUn	48336757	48337131	375 SAT1_CF	blue	na
chrUn	48337171	48337670	500 SAT1_CF	blue	na
chrUn	48337683	48338443	761 SAT1_CF	blue	na
chrUn	48338456	48338527	72 SAT1_CF	blue	na
chrUn	48338550	48339100	551 SAT1_CF	blue	na
chrUn	48339118	48340334	1217 SAT1_CF	blue	na
chrUn	48340367	48340523	157 SAT1_CF	blue	na
chrUn	48340568	48341070	503 SAT1_CF	blue	na
chrUn	48341083	48342222	1140 SAT1_CF	blue	na
chrUn	48342264	48343045	782 SAT1_CF	blue	na
chrUn	48343088	48344293	1206 SAT1_CF	blue	na
chrUn	48344318	48344678	361 SAT1_CF	blue	na
chrUn	48344757	48346081	1325 SAT1_CF	blue	na
chrUn	48346093	48347424	1332 SAT1_CF	blue	na
chrUn	48347468	48347774	307 SAT1_CF	blue	na
chrUn	48347840	48348775	936 SAT1_CF	blue	na
chrUn	48348796	48349316	521 SAT1_CF	blue	na
chrUn	48349328	48350003	676 SAT1_CF	blue	na
chrUn	48350045	48351137	1093 SAT1_CF	blue	na
chrUn	48351149	48351752	604 SAT1_CF	blue	na
chrUn	48351779	48352366	588 SAT1_CF	blue	na
chrUn	48352393	48353064	672 SAT1_CF	blue	na
chrUn	48353108	48354451	1344 SAT1_CF	blue	na
chrUn	48354511	48355442	932 SAT1_CF	blue	na
chrUn	48355454	48356129	676 SAT1_CF	blue	na
chrUn	48356177	48357134	958 SAT1_CF	blue	na
chrUn	48357213	48358126	914 SAT1_CF	blue	na
chrUn	48358211	48358694	484 SAT1_CF	blue	na
chrUn	48358240	48359562	1323 SAT1_CF	blue	na
chrUn	48359575	48360249	675 SAT1_CF	blue	na
chrUn	48360261	48360905	645 SAT1_CF	blue	na
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chrUn	48361431	48361950	520 SAT1_CF	blue	na
chrUn	48361980	48362645	666 SAT1_CF	blue	na
chrUn	48362665	48363516	852 SAT1_CF	blue	na
chrUn	48363558	48364354	797 SAT1_CF	blue	na
chrUn	48364398	48364942	545 SAT1_CF	blue	na
chrUn	48364955	48365357	403 SAT1_CF	blue	na
chrUn	48365397	48366174	778 SAT1_CF	blue	na
chrUn	48366202	48367786	1585 SAT1_CF	blue	na
chrUn	48367838	48368396	559 SAT1_CF	blue	na
chrUn	48368408	48369740	1333 SAT1_CF	blue	na

chrUn	48369765	48370090	326 SAT1_CF	blue	na
chrUn	48370134	48371247	1114 SAT1_CF	blue	na
chrUn	48371276	48371797	522 SAT1_CF	blue	na
chrUn	48371815	48372097	283 SAT1_CF	blue	na
chrUn	48400839	48400988	150 Sat2CF	purple	na
chrUn	48400864	48401950	1087 Sat2CF	purple	na
chrUn	48400949	48402084	1136 Sat2CF	purple	na
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chrUn	48412914	48413602	689 SAT1_CF	blue	na
chrUn	48413623	48414154	532 SAT1_CF	blue	na
chrUn	48415816	48416668	853 SAT1_CF	blue	na
chrUn	48416680	48417223	544 SAT1_CF	blue	na
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chrUn	48419198	48420154	957 SAT1_CF	blue	na
chrUn	48420234	48420815	582 SAT1_CF	blue	na
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chrUn	48422041	48422544	504 SAT1_CF	blue	na
chrUn	48422564	48423570	1007 SAT1_CF	blue	na
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chrUn	48427130	48427640	511 SAT1_CF	blue	na
chrUn	48427667	48427800	134 SAT1_CF	blue	na
chrUn	48427858	48428359	502 SAT1_CF	blue	na
chrUn	48428372	48429739	1368 SAT1_CF	blue	na
chrUn	48429781	48430410	630 SAT1_CF	blue	na
chrUn	48430438	48433657	3220 SAT1_CF	blue	na
chrUn	48433677	48434160	484 SAT1_CF	blue	na
chrUn	48434172	48436926	2755 SAT1_CF	blue	na
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chrUn	48437484	48438158	675 SAT1_CF	blue	na
chrUn	48438170	48439062	893 SAT1_CF	blue	na
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chrUn	48439718	48440907	1190 SAT1_CF	blue	na
chrUn	48440953	48442270	1318 SAT1_CF	blue	na
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chrUn	48443950	48444639	690 SAT1_CF	blue	na

chrUn	48444686	48445199	514	SAT1_CF	blue	na
chrUn	48445221	48446007	787	SAT1_CF	blue	na
chrUn	48484229	48484899	671	CarSat1	red	na
chrUn	48484920	48486126	1207	CarSat1	red	na
chrUn	48486151	48489070	2920	CarSat1	red	na
chrUn	48489095	48490314	1220	CarSat1	red	na
chrUn	48490344	48490784	441	CarSat1	red	na
chrUn	48490811	48491526	716	CarSat1	red	na
chrUn	48491547	48494223	2677	CarSat1	red	na
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chrUn	48496458	48497410	953	CarSat1	red	na
chrUn	48497435	48498152	718	CarSat1	red	na
chrUn	48498178	48499365	1188	CarSat1	red	na
chrUn	48501619	48502171	553	CarSat1	red	na
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chrUn	48503947	48504655	709	CarSat1	red	na
chrUn	48504685	48505125	441	CarSat1	red	na
chrUn	48505152	48505867	716	CarSat1	red	na
chrUn	48505888	48506598	711	CarSat1	red	na
chrUn	48506625	48507085	461	CarSat1	red	na
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chrUn	48508834	48509584	751	CarSat1	red	na
chrUn	48509928	48511289	1362	CarSat1	red	na
chrUn	48511317	48512253	937	CarSat1	red	na
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chrUn	48513258	48516447	3190	CarSat1	red	na
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chrUn	48516944	48519624	2681	CarSat1	red	na
chrUn	48519640	48520352	713	CarSat1	red	na
chrUn	48520377	48520885	509	CarSat1	red	na
chrUn	48520900	48521382	483	CarSat1	red	na
chrUn	48522452	48523069	618	CarSat1	red	na
chrUn	48523096	48524167	1072	CarSat1	red	na
chrUn	48524181	48524970	790	CarSat1	red	na
chrUn	48524986	48525561	576	CarSat1	red	na
chrUn	48526407	48527283	877	CarSat1	red	na
chrUn	48527310	48528019	710	CarSat1	red	na
chrUn	48532974	48534039	1066	CarSat1	red	na
chrUn	48536980	48538764	1785	CarSat1	red	na
chrUn	48543488	48544138	651	CarSat1	red	na
chrUn	48544154	48545116	963	CarSat1	red	na

chrUn	48545143	48546120	978	CarSat1	red	na
chrUn	48546266	48547272	1007	CarSat1	red	na
chrUn	48547299	48547847	549	CarSat1	red	na
chrUn	48548477	48549571	1095	CarSat1	red	na
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chrUn	48554151	48554674	524	CarSat1	red	na
chrUn	48555614	48557665	2052	CarSat1	red	na
chrUn	48557681	48558355	675	CarSat1	red	na
chrUn	48559977	48560940	964	CarSat1	red	na
chrUn	48563799	48564863	1065	CarSat1	red	na
chrUn	48565706	48566490	785	CarSat1	red	na
chrUn	48566517	48567103	587	CarSat1	red	na
chrUn	48567374	48567974	601	CarSat1	red	na
chrUn	48567991	48568919	929	CarSat1	red	na
chrUn	48568946	48569415	470	CarSat1	red	na
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chrUn	48571211	48572041	831	CarSat1	red	na
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chrUn	48572806	48574000	1195	CarSat1	red	na
chrUn	48574027	48575457	1431	CarSat1	red	na
chrUn	48575474	48576194	721	CarSat1	red	na
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chrUn	48577549	48578259	711	CarSat1	red	na
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chrUn	48586498	48587376	879	CarSat1	red	na
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chrUn	48588274	48588619	346	CarSat1	red	na
chrUn	48589501	48590964	1464	CarSat1	red	na
chrUn	48593915	48594999	1085	Sat2CF	purple	na
chrUn	48594000	48595133	1134	Sat2CF	purple	na
chrUn	48607686	48608231	546	Sat2CF	purple	na
chrUn	48607761	48608608	848	Sat2CF	purple	na
chrUn	48607783	48608506	724	Sat2CF	purple	na
chrUn	48623345	48624527	1183	Sat2CF	purple	na
chrUn	48627092	48628219	1128	CarSat1	red	na
chrUn	48628237	48628693	457	CarSat1	red	na
chrUn	48630727	48632508	1782	SAT1_CF	blue	na
chrUn	48632542	48633670	1129	SAT1_CF	blue	na

chrUn	48778129	48778721	593 SAT1_CF	blue	na
chrUn	48778767	48779557	791 SAT1_CF	blue	na
chrUn	48779612	48780458	847 SAT1_CF	blue	na
chrUn	48780470	48781138	669 SAT1_CF	blue	na
chrUn	48781165	48781666	502 SAT1_CF	blue	na
chrUn	48781753	48782939	1187 SAT1_CF	blue	na
chrUn	48782981	48783598	618 SAT1_CF	blue	na
chrUn	48783611	48784364	754 SAT1_CF	blue	na
chrUn	48784810	48786307	1498 SAT1_CF	blue	na
chrUn	48786319	48786820	502 SAT1_CF	blue	na
chrUn	48786860	48789413	2554 SAT1_CF	blue	na
chrUn	48789439	48790124	686 SAT1_CF	blue	na
chrUn	48790627	48791089	463 SAT1_CF	blue	na
chrUn	48791102	48791862	761 SAT1_CF	blue	na
chrUn	48791875	48792734	860 SAT1_CF	blue	na
chrUn	48792747	48793248	502 SAT1_CF	blue	na
chrUn	48793336	48793687	352 SAT1_CF	blue	na
chrUn	48793699	48796566	2868 SAT1_CF	blue	na
chrUn	48796568	48798537	1970 CarSat1	red	na
chrUn	48798559	48799262	704 CarSat1	red	na
chrUn	48838328	48840011	1684 SAT1_CF	blue	na
chrUn	48840022	48840408	387 SAT1_CF	blue	na
chrUn	48840411	48841851	1441 CarSat1	red	na
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chrUn	48843219	48844004	786 CarSat1	red	na
chrUn	48844025	48844880	856 CarSat1	red	na
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chrUn	48845846	48846194	349 CarSat1	red	na
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chrUn	48846552	48846846	295 CarSat1	red	na
chrUn	48846873	48847595	723 CarSat1	red	na
chrUn	48847744	48848726	983 CarSat1	red	na
chrUn	48888200	48888994	795 Sat2CF	purple	na
chrUn	48888739	48889037	299 Sat2CF	purple	na
chrUn	48890714	48891124	411 CarSat1	red	na
chrUn	48891931	48892073	143 CarSat1	red	na
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chrUn	48892968	48893767	800 CarSat1	red	na
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chrUn	48894580	48895423	844 CarSat1	red	na
chrUn	48895453	48896639	1187 CarSat1	red	na
chrUn	48896630	48897348	719 SAT1_CF	blue	na

chrUn	48897428	48897622	195 SAT1_CF	blue	na
chrUn	48897650	48898381	732 SAT1_CF	blue	na
chrUn	48898423	48900287	1865 SAT1_CF	blue	na
chrUn	48900311	48900853	543 SAT1_CF	blue	na
chrUn	48900866	48901549	684 SAT1_CF	blue	na
chrUn	48901562	48903059	1498 SAT1_CF	blue	na
chrUn	48903102	48904174	1073 SAT1_CF	blue	na
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chrUn	48906397	48907205	809 SAT1_CF	blue	na
chrUn	48907219	48908336	1118 SAT1_CF	blue	na
chrUn	48908376	48909282	907 SAT1_CF	blue	na
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chrUn	48959858	48960840	983 CarSat1	red	na
chrUn	48960867	48961718	852 CarSat1	red	na
chrUn	48961739	48962593	855 CarSat1	red	na
chrUn	48962783	48963463	681 CarSat1	red	na
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chrUn	48964130	48964534	405 CarSat1	red	na
chrUn	48964685	48965408	724 CarSat1	red	na
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chrUn	48966429	48967078	650 CarSat1	red	na
chrUn	48967092	48967567	476 CarSat1	red	na
chrUn	48967584	48968278	695 CarSat1	red	na
chrUn	48968283	48968668	386 SAT1_CF	blue	na
chrUn	48968680	48971285	2606 SAT1_CF	blue	na
chrUn	48971458	48975558	4101 SAT1_CF	blue	na
chrUn	48975595	48976157	563 SAT1_CF	blue	na
chrUn	48976201	48976748	548 SAT1_CF	blue	na
chrUn	48976839	48977719	881 SAT1_CF	blue	na
chrUn	48977712	48978439	728 CarSat1	red	na
chrUn	48978457	48980427	1971 CarSat1	red	na
chrUn	48980441	48980977	537 SAT1_CF	blue	na
chrUn	48981003	48981530	528 SAT1_CF	blue	na
chrUn	48981542	48982339	798 SAT1_CF	blue	na
chrUn	48982350	48984379	2030 SAT1_CF	blue	na
chrUn	48984399	48985550	1152 SAT1_CF	blue	na
chrUn	48985545	48986264	720 CarSat1	red	na
chrUn	48986283	48986706	424 CarSat1	red	na
chrUn	48987742	48988062	321 SAT1_CF	blue	na
chrUn	48988075	48988576	502 SAT1_CF	blue	na

chrUn	48988590	48989832	1243 SAT1_CF	blue	na
chrUn	48989885	48989961	77 SAT1_CF	blue	na
chrUn	48989974	48991037	1064 SAT1_CF	blue	na
chrUn	48991051	48991928	878 SAT1_CF	blue	na
chrUn	48991971	48992648	678 SAT1_CF	blue	na
chrUn	48992660	48993342	683 SAT1_CF	blue	na
chrUn	48993355	48994055	701 SAT1_CF	blue	na
chrUn	48994083	48994593	511 SAT1_CF	blue	na
chrUn	48994662	48995385	724 SAT1_CF	blue	na
chrUn	48995397	48995880	484 SAT1_CF	blue	na
chrUn	48995933	48996120	188 SAT1_CF	blue	na
chrUn	48996131	48996679	549 SAT1_CF	blue	na
chrUn	48996758	48997722	965 SAT1_CF	blue	na
chrUn	48997765	48998310	546 SAT1_CF	blue	na
chrUn	48998331	48998439	109 SAT1_CF	blue	na
chrUn	48998452	48998953	502 SAT1_CF	blue	na
chrUn	48998967	49000209	1243 SAT1_CF	blue	na
chrUn	49000262	49000338	77 SAT1_CF	blue	na
chrUn	49000351	49000853	503 SAT1_CF	blue	na
chrUn	49000898	49001055	158 SAT1_CF	blue	na
chrUn	49001084	49002272	1189 SAT1_CF	blue	na
chrUn	49002300	49002931	632 SAT1_CF	blue	na
chrUn	49002974	49003648	675 SAT1_CF	blue	na
chrUn	49003661	49006076	2416 SAT1_CF	blue	na
chrUn	49006098	49006664	567 SAT1_CF	blue	na
chrUn	49006719	49007091	373 SAT1_CF	blue	na
chrUn	49007138	49007645	508 SAT1_CF	blue	na
chrUn	49007689	49008506	818 SAT1_CF	blue	na
chrUn	49008548	49009408	861 SAT1_CF	blue	na
chrUn	49009420	49010477	1058 SAT1_CF	blue	na
chrUn	49010520	49011816	1297 SAT1_CF	blue	na
chrUn	49011834	49012354	521 SAT1_CF	blue	na
chrUn	49012375	49014338	1964 SAT1_CF	blue	na
chrUn	49014380	49015057	678 SAT1_CF	blue	na
chrUn	49015069	49016305	1237 SAT1_CF	blue	na
chrUn	49016340	49016880	541 SAT1_CF	blue	na
chrUn	49016912	49018998	2087 CarSat1	red	na
chrUn	49019028	49021478	2451 CarSat1	red	na
chrUn	49042618	49043468	851 Sat2CF	purple	na
chrUn	49043020	49043518	499 Sat2CF	purple	na
chrUn	49059762	49061207	1446 CarSat1	red	na
chrUn	49061228	49062830	1603 CarSat1	red	na

chrUn	49062984	49064447	1464	CarSat1	red	na
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chrUn	49083047	49083085	39	HSATII	na	na
chrUn	49083268	49083329	62	HSATII	na	na
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chrUn	49085638	49086282	645	CarSat1	red	na
chrUn	49086363	49086838	476	CarSat1	red	na
chrUn	49087025	49087373	349	CarSat1	red	na
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chrUn	49089555	49092144	2590	CarSat1	red	na
chrUn	49092147	49092676	530	SAT1_CF	blue	na
chrUn	49110883	49112061	1179	Sat2CF	purple	na
chrUn	49110914	49111933	1020	Sat2CF	purple	na
chrUn	49126774	49127957	1184	Sat2CF	purple	na
chrUn	49129402	49129984	583	SAT1_CF	blue	na
chrUn	49130026	49131536	1511	SAT1_CF	blue	na
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chrUn	49134490	49136824	2335	SAT1_CF	blue	na
chrUn	49136882	49137513	632	SAT1_CF	blue	na
chrUn	49137525	49138410	886	SAT1_CF	blue	na
chrUn	49138423	49139126	704	SAT1_CF	blue	na
chrUn	49139138	49139797	660	SAT1_CF	blue	na
chrUn	49139845	49140378	534	SAT1_CF	blue	na
chrUn	49140407	49141072	666	SAT1_CF	blue	na
chrUn	49141116	49142481	1366	SAT1_CF	blue	na
chrUn	49142691	49143965	1275	SAT1_CF	blue	na
chrUn	49143977	49144652	676	SAT1_CF	blue	na
chrUn	49144695	49148098	3404	SAT1_CF	blue	na
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chrUn	49148984	49149505	522	SAT1_CF	blue	na
chrUn	49149518	49149920	403	SAT1_CF	blue	na
chrUn	49149941	49151420	1480	SAT1_CF	blue	na
chrUn	49151840	49152066	227	SAT1_CF	blue	na
chrUn	49152079	49152475	397	SAT1_CF	blue	na
chrUn	49152520	49153107	588	SAT1_CF	blue	na
chrUn	49153163	49153717	555	SAT1_CF	blue	na
chrUn	49153729	49155774	2046	SAT1_CF	blue	na
chrUn	49155954	49156138	185	SAT1_CF	blue	na

chrUn	49156198	49156678	481 SAT1_CF	blue	na
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chrUn	49158531	49158602	72 SAT1_CF	blue	na
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chrUn	49160624	49161026	403 SAT1_CF	blue	na
chrUn	49161066	49161567	502 SAT1_CF	blue	na
chrUn	49161579	49161688	110 SAT1_CF	blue	na
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chrUn	49162351	49162906	556 SAT1_CF	blue	na
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chrUn	49175056	49175822	767 Sat2CF	purple	na
chrUn	49175077	49175740	664 Sat2CF	purple	na
chrUn	49196115	49196848	734 Sat2CF	purple	na
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chrUn	49240281	49240902	622 SAT1_CF	blue	na
chrUn	49240930	49241087	158 SAT1_CF	blue	na
chrUn	49241132	49242332	1201 SAT1_CF	blue	na
chrUn	49242352	49243024	673 SAT1_CF	blue	na
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chrUn	49264364	49264519	156 SAT1_CF	blue	na
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chrUn	49484386	49485068	683 SAT1_CF	blue	na
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chrUn	49487131	49487774	644 CarSat1	red	na

chrUn	49487801	49488761	961	CarSat1	red	na
chrUn	49488777	49489712	936	CarSat1	red	na
chrUn	49489728	49489855	128	Carsat2	orange	na
chrUn	49489744	49490234	491	CarSat1	red	na
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chrUn	49490989	49493924	2936	CarSat1	red	na
chrUn	49493940	49494409	470	CarSat1	red	na
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chrUn	49496761	49497651	891	CarSat1	red	na
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chrUn	49499634	49501414	1781	CarSat1	red	na
chrUn	49501596	49503267	1672	CarSat1	red	na
chrUn	49503294	49504258	965	CarSat1	red	na
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chrUn	49508907	49509032	126	Carsat2	orange	na
chrUn	49508922	49509897	976	CarSat1	red	na
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chrUn	49570122	49570977	856	CarSat1	red	na
chrUn	49570998	49571850	853	CarSat1	red	na
chrUn	49571999	49572660	662	CarSat1	red	na
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chrUn	49573810	49574663	854	CarSat1	red	na
chrUn	49574690	49575491	802	CarSat1	red	na
chrUn	49575686	49578060	2375	CarSat1	red	na
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chrUn	49579190	49580850	1661	SAT1_CF	blue	na
chrUn	49580892	49582219	1328	SAT1_CF	blue	na
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chrUn	49583400	49586352	2953	SAT1_CF	blue	na

chrUn	49586405	49587234	830 SAT1_CF	blue	na
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chrUn	49588023	49589612	1590 CarSat1	red	na
chrUn	49589759	49591590	1832 CarSat1	red	na
chrUn	49591592	49591985	394 SAT1_CF	blue	na
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chrUn	49652711	49656055	3345 CarSat1	red	na

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chrUn	49661244	49662237	994	CarSat1	red	na
chrUn	49662422	49662998	577	CarSat1	red	na
chrUn	49664290	49667949	3660	CarSat1	red	na
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chrUn	49674054	49676235	2182	CarSat1	red	na
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chrUn	49676774	49677865	1092	CarSat1	red	na
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chrUn	49749482	49750125	644	SAT1_CF	blue	na
chrUn	49750168	49751280	1113	SAT1_CF	blue	na
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chrUn	49781579	49789739	8161	CarSat1	red	na
chrUn	49790739	49791291	553	SAT1_CF	blue	na
chrUn	49791331	49793716	2386	SAT1_CF	blue	na
chrUn	49793728	49794200	473	SAT1_CF	blue	na
chrUn	49794226	49794329	104	SAT1_CF	blue	na
chrUn	49794342	49794842	501	SAT1_CF	blue	na
chrUn	49794885	49795283	399	SAT1_CF	blue	na
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chrUn	49819968	49821993	2026	SAT1_CF	blue	na
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chrUn	49824445	49825176	732	SAT1_CF	blue	na
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chrUn	49882600	49885051	2452	CarSat1	red	na
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chrUn	49885816	49886527	712	CarSat1	red	na
chrUn	49886552	49888734	2183	CarSat1	red	na
chrUn	49888755	49889469	715	CarSat1	red	na
chrUn	49889496	49889936	441	CarSat1	red	na
chrUn	49889966	49891195	1230	CarSat1	red	na
chrUn	49891220	49891680	461	CarSat1	red	na
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chrUn	49896604	49902481	5878	CarSat1	red	na
chrUn	49903369	49904115	747	CarSat1	red	na
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chrUn	49911804	49915538	3735	CarSat1	red	na
chrUn	49917835	49918074	240	SAT1_CF	blue	na
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chrUn	49924011	49925005	995	CarSat1	red	na
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chrUn	49925789	49926789	1001	CarSat1	red	na
chrUn	49926971	49929345	2375	CarSat1	red	na
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chrUn	49929859	49930120	262	Carsat2	orange	na
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chrUn	50203845	50204237	393 SAT1_CF	blue	na
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chrUn	50204828	50205035	208 SAT1_CF	blue	na
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chrUn	50230935	50231832	898 SAT1_CF	blue	na
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chrUn	50274295	50275003	709	CarSat1	red	na
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chrUn	50294492	50300080	5589	CarSat1	red	na
chrUn	50300121	50300851	731	CarSat1	red	na
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chrUn	50301800	50302499	700	CarSat1	red	na
chrUn	50302524	50303886	1363	CarSat1	red	na
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chrUn	50397924	50398567	644 SAT1_CF	blue	na
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chrUn	50500738	50501510	773	CarSat1	red	na
chrUn	50503755	50504886	1132	CarSat1	red	na
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chrUn	50512535	50514108	1574	CarSat1	red	na
chrUn	50514138	50516093	1956	CarSat1	red	na
chrUn	50516225	50517502	1278	CarSat1	red	na
chrUn	50518143	50518782	640	CarSat1	red	na
chrUn	50518797	50519508	712	CarSat1	red	na
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chrUn	50523625	50524187	563	CarSat1	red	na
chrUn	50526766	50528240	1475	CarSat1	red	na
chrUn	50528270	50532381	4112	CarSat1	red	na
chrUn	50533016	50533269	254	SAT1_CF	blue	na
chrUn	50533281	50534409	1129	SAT1_CF	blue	na
chrUn	50536910	50538558	1649	SAT1_CF	blue	na
chrUn	50538598	50539957	1360	SAT1_CF	blue	na
chrUn	50542837	50544575	1739	SAT1_CF	blue	na
chrUn	50544618	50545208	591	SAT1_CF	blue	na
chrUn	50546233	50547636	1404	CarSat1	red	na
chrUn	50547660	50552330	4671	CarSat1	red	na
chrUn	50552360	50554318	1959	CarSat1	red	na
chrUn	50554330	50555549	1220	CarSat1	red	na
chrUn	50555704	50557232	1529	CarSat1	red	na
chrUn	50557244	50563125	5882	CarSat1	red	na
chrUn	50563149	50566946	3798	CarSat1	red	na
chrUn	50568044	50568536	493	CarSat1	red	na
chrUn	50568552	50569021	470	CarSat1	red	na
chrUn	50569048	50570984	1937	CarSat1	red	na
chrUn	50570997	50573449	2453	CarSat1	red	na
chrUn	50573476	50574185	710	CarSat1	red	na
chrUn	50574212	50575902	1691	CarSat1	red	na
chrUn	50575927	50576855	929	CarSat1	red	na
chrUn	50576892	50577588	697	CarSat1	red	na
chrUn	50616412	50617627	1216	Sat2CF	purple	na
chrUn	50616540	50617622	1083	Sat2CF	purple	na
chrUn	50678695	50679225	531	SAT1_CF	blue	na
chrUn	50679343	50679862	520	SAT1_CF	blue	na

chrUn	50679919	50680545	627 SAT1_CF	blue	na
chrUn	50680580	50681743	1164 SAT1_CF	blue	na
chrUn	50681758	50681894	137 SAT1_CF	blue	na
chrUn	50681990	50682509	520 SAT1_CF	blue	na
chrUn	50682566	50683192	627 SAT1_CF	blue	na
chrUn	50683227	50684390	1164 SAT1_CF	blue	na
chrUn	50684405	50684541	137 SAT1_CF	blue	na
chrUn	50684637	50685156	520 SAT1_CF	blue	na
chrUn	50685213	50686381	1169 SAT1_CF	blue	na
chrUn	50686467	50688159	1693 SAT1_CF	blue	na
chrUn	50688176	50688855	680 SAT1_CF	blue	na
chrUn	50688868	50688943	76 SAT1_CF	blue	na
chrUn	50688961	50689480	520 SAT1_CF	blue	na
chrUn	50689492	50690351	860 SAT1_CF	blue	na
chrUn	50690394	50691173	780 SAT1_CF	blue	na
chrUn	50691251	50692159	909 SAT1_CF	blue	na
chrUn	50692246	50692747	502 SAT1_CF	blue	na
chrUn	50692760	50693606	847 SAT1_CF	blue	na
chrUn	50693628	50694166	539 SAT1_CF	blue	na
chrUn	50694214	50695939	1726 SAT1_CF	blue	na
chrUn	50695969	50698234	2266 SAT1_CF	blue	na
chrUn	50698264	50698646	383 SAT1_CF	blue	na
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chrUn	50699199	50699302	104 SAT1_CF	blue	na
chrUn	50699323	50699897	575 SAT1_CF	blue	na
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chrUn	50701179	50701844	666 SAT1_CF	blue	na
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chrUn	50702417	50703260	844 SAT1_CF	blue	na
chrUn	50703449	50704647	1199 SAT1_CF	blue	na
chrUn	50704665	50705335	671 SAT1_CF	blue	na
chrUn	50705378	50706993	1616 SAT1_CF	blue	na
chrUn	50707014	50707409	396 SAT1_CF	blue	na
chrUn	50707449	50707949	501 SAT1_CF	blue	na
chrUn	50707967	50708720	754 SAT1_CF	blue	na
chrUn	50709735	50710228	494 CarSat1	red	na
chrUn	50710244	50711178	935 CarSat1	red	na
chrUn	50711193	50711320	128 Carsat2	orange	na
chrUn	50711208	50714121	2914 CarSat1	red	na
chrUn	50714136	50714263	128 Carsat2	orange	na
chrUn	50714151	50716113	1963 CarSat1	red	na

chrUn	50716137	50718327	2191	CarSat1	red	na
chrUn	50718360	50719556	1197	CarSat1	red	na
chrUn	50719576	50720763	1188	CarSat1	red	na
chrUn	50720793	50723245	2453	CarSat1	red	na
chrUn	50723265	50724974	1710	CarSat1	red	na
chrUn	50724999	50725925	927	CarSat1	red	na
chrUn	50725940	50726066	127	Carsat2	orange	na
chrUn	50725955	50726659	705	CarSat1	red	na
chrUn	50726689	50727911	1223	CarSat1	red	na
chrUn	50727935	50730856	2922	CarSat1	red	na
chrUn	50730880	50731596	717	CarSat1	red	na
chrUn	50731620	50732230	611	CarSat1	red	na
chrUn	50732608	50733435	828	CarSat1	red	na
chrUn	50733465	50733951	487	CarSat1	red	na
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chrUn	50736413	50738596	2184	CarSat1	red	na
chrUn	50738626	50739111	486	CarSat1	red	na
chrUn	50739135	50740194	1060	CarSat1	red	na
chrUn	50742711	50743783	1073	Sat2CF	purple	na
chrUn	50764200	50764714	515	Sat2CF	purple	na
chrUn	50764262	50765110	849	Sat2CF	purple	na
chrUn	50764486	50765185	700	Sat2CF	purple	na
chrUn	50791958	50793141	1184	Sat2CF	purple	na
chrUn	50799935	50801184	1250	Sat2CF	purple	na
chrUn	50803815	50804749	935	CarSat1	red	na
chrUn	50804938	50805507	570	CarSat1	red	na
chrUn	50812885	50815112	2228	CarSat1	red	na
chrUn	50815131	50815533	403	CarSat1	red	na
chrUn	50815562	50816937	1376	SAT1_CF	blue	na
chrUn	50817132	50817292	161	Sat2CF	purple	na
chrUn	50817165	50818113	949	Sat2CF	purple	na
chrUn	50817797	50818174	378	Sat2CF	purple	na
chrUn	50824190	50826417	2228	CarSat1	red	na
chrUn	50826436	50826838	403	CarSat1	red	na
chrUn	50826867	50828242	1376	SAT1_CF	blue	na
chrUn	50855835	50856695	861	CarSat1	red	na
chrUn	50856716	50856984	269	CarSat1	red	na
chrUn	50912100	50913270	1171	SAT1_CF	blue	na
chrUn	50913309	50914644	1336	SAT1_CF	blue	na
chrUn	50914711	50915231	521	SAT1_CF	blue	na
chrUn	50915244	50915646	403	SAT1_CF	blue	na

chrUn	50915686	50916188	503 SAT1_CF	blue	na
chrUn	50916201	50918082	1882 SAT1_CF	blue	na
chrUn	50918199	50918762	564 SAT1_CF	blue	na
chrUn	50918804	50919583	780 SAT1_CF	blue	na
chrUn	50919627	50920171	545 SAT1_CF	blue	na
chrUn	50920184	50920587	404 SAT1_CF	blue	na
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chrUn	50921154	50922562	1409 SAT1_CF	blue	na
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chrUn	50924717	50926502	1786 SAT1_CF	blue	na
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chrUn	50927067	50928176	1110 SAT1_CF	blue	na
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chrUn	50928730	50929575	846 SAT1_CF	blue	na
chrUn	50929598	50930748	1151 SAT1_CF	blue	na
chrUn	50930778	50931338	561 SAT1_CF	blue	na
chrUn	50931425	50931925	501 SAT1_CF	blue	na
chrUn	50931938	50933240	1303 SAT1_CF	blue	na
chrUn	50933282	50934687	1406 SAT1_CF	blue	na
chrUn	50934698	50935388	691 SAT1_CF	blue	na
chrUn	50935432	50936128	697 SAT1_CF	blue	na
chrUn	50936142	50936918	777 SAT1_CF	blue	na
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chrUn	50938854	50939455	602 SAT1_CF	blue	na
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chrUn	50941053	50941548	496 SAT1_CF	blue	na
chrUn	50941568	50941903	336 SAT1_CF	blue	na
chrUn	50942943	50944718	1776 CarSat1	red	na
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chrUn	50945490	50947672	2183 CarSat1	red	na
chrUn	50947703	50949159	1457 CarSat1	red	na
chrUn	50949174	50952345	3172 CarSat1	red	na
chrUn	50952378	50955966	3589 CarSat1	red	na
chrUn	50959048	50960465	1418 CarSat1	red	na
chrUn	50960489	50961205	717 CarSat1	red	na
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chrUn	50961966	50962680	715 CarSat1	red	na
chrUn	50962704	50964818	2115 CarSat1	red	na
chrUn	50965292	50966350	1059 CarSat1	red	na

chrUn	50966374	50967338	965	CarSat1	red	na
chrUn	50967363	50969092	1730	CarSat1	red	na
chrUn	50969107	50970570	1464	CarSat1	red	na
chrUn	50970585	50971307	723	CarSat1	red	na
chrUn	50971322	50972044	723	CarSat1	red	na
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chrUn	50972796	50973731	936	CarSat1	red	na
chrUn	50973747	50975465	1719	CarSat1	red	na
chrUn	50975476	50976207	732	CarSat1	red	na
chrUn	50977225	50978726	1502	CarSat1	red	na
chrUn	50980616	50981517	902	CarSat1	red	na
chrUn	50981547	50982874	1328	CarSat1	red	na
chrUn	50983897	50985063	1167	CarSat1	red	na
chrUn	50985090	50985678	589	CarSat1	red	na
chrUn	50985810	50986427	618	CarSat1	red	na
chrUn	50986457	50986943	487	CarSat1	red	na
chrUn	50986967	50987998	1032	CarSat1	red	na
chrUn	50988034	50989534	1501	CarSat1	red	na
chrUn	50989564	50990271	708	CarSat1	red	na
chrUn	50990286	50990412	127	Carsat2	orange	na
chrUn	50990301	50991012	712	CarSat1	red	na
chrUn	50991042	50992859	1818	CarSat1	red	na
chrUn	50993251	50993736	486	CarSat1	red	na
chrUn	50993760	50994478	719	CarSat1	red	na
chrUn	50994502	50996165	1664	CarSat1	red	na
chrUn	50996994	50999074	2081	CarSat1	red	na
chrUn	51000629	51002146	1518	CarSat1	red	na
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chrUn	51007065	51007548	484	CarSat1	red	na
chrUn	51007578	51008940	1363	CarSat1	red	na
chrUn	51012023	51013090	1068	CarSat1	red	na
chrUn	51013114	51014411	1298	CarSat1	red	na
chrUn	51015696	51017792	2097	CarSat1	red	na
chrUn	51018163	51018866	704	CarSat1	red	na
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chrUn	51056451	51059302	2852	CarSat1	red	na
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chrUn	51062026	51062459	434	CarSat1	red	na
chrUn	51062725	51064208	1484	CarSat1	red	na
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chrUn	51066696	51069364	2669	CarSat1	red	na

chrUn	51069391	51071090	1700	CarSat1	red	na
chrUn	51071115	51071823	709	CarSat1	red	na
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chrUn	51073059	51074022	964	CarSat1	red	na
chrUn	51074038	51076224	2187	CarSat1	red	na
chrUn	51077400	51079430	2031	CarSat1	red	na
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chrUn	51082809	51083277	469	CarSat1	red	na
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chrUn	51084044	51084751	708	CarSat1	red	na
chrUn	51084776	51085487	712	CarSat1	red	na
chrUn	51085514	51086960	1447	CarSat1	red	na
chrUn	51086987	51088190	1204	CarSat1	red	na
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chrUn	51098841	51099222	382	Sat2CF	purple	na
chrUn	51098900	51099744	845	Sat2CF	purple	na
chrUn	51098976	51099830	855	Sat2CF	purple	na
chrUn	51099705	51099865	161	Sat2CF	purple	na
chrUn	51100059	51101437	1379	SAT1_CF	blue	na
chrUn	51101466	51103339	1874	CarSat1	red	na
chrUn	51103360	51104217	858	CarSat1	red	na
chrUn	51104238	51105737	1500	CarSat1	red	na
chrUn	51105757	51106430	674	CarSat1	red	na
chrUn	51112324	51112381	58	CarSat1	red	na
chrUn	51112395	51112796	402	CarSat1	red	na
chrUn	51112826	51115200	2375	CarSat1	red	na
chrUn	51121637	51123083	1447	CarSat1	red	na
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chrUn	51124711	51125590	880	CarSat1	red	na
chrUn	51125585	51127129	1545	SAT1_CF	blue	na
chrUn	51127171	51128220	1050	SAT1_CF	blue	na
chrUn	51134295	51134972	678	SAT1_CF	blue	na
chrUn	51134990	51135780	791	SAT1_CF	blue	na
chrUn	51135809	51136322	514	SAT1_CF	blue	na
chrUn	51136400	51137976	1577	SAT1_CF	blue	na
chrUn	51138020	51139379	1360	SAT1_CF	blue	na
chrUn	51139394	51141538	2145	SAT1_CF	blue	na
chrUn	51141557	51142559	1003	SAT1_CF	blue	na
chrUn	51142564	51143749	1186	CarSat1	red	na
chrUn	51143764	51145276	1513	CarSat1	red	na
chrUn	51145297	51146283	987	CarSat1	red	na
chrUn	51151027	51151468	442	SAT1_CF	blue	na

chrUn	51151545	51152140	596 SAT1_CF	blue	na
chrUn	51153593	51154772	1180 SAT1_CF	blue	na
chrUn	51154798	51155463	666 SAT1_CF	blue	na
chrUn	51155481	51155978	498 SAT1_CF	blue	na
chrUn	51156022	51156145	124 SAT1_CF	blue	na
chrUn	51156859	51157015	157 SAT1_CF	blue	na
chrUn	51157029	51158462	1434 SAT1_CF	blue	na
chrUn	51158504	51159362	859 SAT1_CF	blue	na
chrUn	51159374	51160173	800 SAT1_CF	blue	na
chrUn	51160185	51160860	676 SAT1_CF	blue	na
chrUn	51160872	51161371	500 SAT1_CF	blue	na
chrUn	51161411	51161592	182 SAT1_CF	blue	na
chrUn	51161774	51162163	390 SAT1_CF	blue	na
chrUn	51163301	51164025	725 SAT1_CF	blue	na
chrUn	51164037	51164146	110 SAT1_CF	blue	na
chrUn	51164166	51164435	270 SAT1_CF	blue	na
chrUn	51165153	51165779	627 SAT1_CF	blue	na
chrUn	51165801	51165939	139 SAT1_CF	blue	na
chrUn	51165952	51166453	502 SAT1_CF	blue	na
chrUn	51166466	51167148	683 SAT1_CF	blue	na
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chrUn	51169371	51169872	502 SAT1_CF	blue	na
chrUn	51169884	51169992	109 SAT1_CF	blue	na
chrUn	51170015	51170891	877 SAT1_CF	blue	na
chrUn	51172055	51172619	565 SAT1_CF	blue	na
chrUn	51173463	51173611	149 SAT1_CF	blue	na
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chrUn	51175796	51176382	587 SAT1_CF	blue	na
chrUn	51176397	51178671	2275 SAT1_CF	blue	na
chrUn	51178714	51179382	669 SAT1_CF	blue	na
chrUn	51179394	51180591	1198 SAT1_CF	blue	na
chrUn	51184540	51187042	2503 SAT1_CF	blue	na
chrUn	51187095	51187385	291 SAT1_CF	blue	na
chrUn	51194162	51195421	1260 SAT1_CF	blue	na
chrUn	51196938	51197259	322 SAT1_CF	blue	na
chrUn	51197351	51197859	509 SAT1_CF	blue	na
chrUn	51199049	51200790	1742 CarSat1	red	na
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chrUn	51200820	51210662	9843 CarSat1	red	na
chrUn	51210683	51212323	1641 CarSat1	red	na
chrUn	51236947	51237637	691 CarSat1	red	na
chrUn	51237661	51238868	1208 CarSat1	red	na

chrUn	51238879	51241548	2670	CarSat1	red	na
chrUn	51241578	51244026	2449	CarSat1	red	na
chrUn	51244037	51245503	1467	CarSat1	red	na
chrUn	51245524	51246978	1455	CarSat1	red	na
chrUn	51246999	51248453	1455	CarSat1	red	na
chrUn	51248464	51249198	735	CarSat1	red	na
chrUn	51249214	51253043	3830	CarSat1	red	na
chrUn	51254045	51255655	1611	SAT1_CF	blue	na
chrUn	51255668	51257090	1423	SAT1_CF	blue	na
chrUn	51263360	51265993	2634	SAT1_CF	blue	na
chrUn	51266036	51267251	1216	SAT1_CF	blue	na
chrUn	51267272	51269058	1787	SAT1_CF	blue	na
chrUn	51269071	51270320	1250	SAT1_CF	blue	na
chrUn	51270325	51271506	1182	CarSat1	red	na
chrUn	51271525	51273033	1509	CarSat1	red	na
chrUn	51273059	51274014	956	CarSat1	red	na
chrUn	51284783	51285702	920	CarSat1	red	na
chrUn	51285723	51286700	978	CarSat1	red	na
chrUn	51286730	51287300	571	CarSat1	red	na
chrUn	51287900	51288546	647	CarSat1	red	na
chrUn	51288571	51290571	2001	CarSat1	red	na
chrUn	51290598	51291444	847	CarSat1	red	na
chrUn	51291877	51292947	1071	CarSat1	red	na
chrUn	51293383	51293970	588	CarSat1	red	na
chrUn	51293997	51294933	937	CarSat1	red	na
chrUn	51297046	51298915	1870	CarSat1	red	na
chrUn	51298940	51299683	744	CarSat1	red	na
chrUn	51299710	51300421	712	CarSat1	red	na
chrUn	51300448	51302537	2090	CarSat1	red	na
chrUn	51302556	51303695	1140	CarSat1	red	na
chrUn	51303879	51304731	853	CarSat1	red	na
chrUn	51304747	51306205	1459	CarSat1	red	na
chrUn	51306221	51307182	962	CarSat1	red	na
chrUn	51307209	51307919	711	CarSat1	red	na
chrUn	51307946	51308790	845	CarSat1	red	na
chrUn	51310862	51313339	2478	CarSat1	red	na
chrUn	51313355	51314812	1458	CarSat1	red	na
chrUn	51314828	51315396	569	CarSat1	red	na
chrUn	51316078	51317175	1098	CarSat1	red	na
chrUn	51317780	51319010	1231	CarSat1	red	na
chrUn	51319053	51319608	556	CarSat1	red	na
chrUn	51320255	51321241	987	CarSat1	red	na

chrUn	51322268	51322935	668	CarSat1	red	na
chrUn	51322962	51323671	710	CarSat1	red	na
chrUn	51323698	51324674	977	CarSat1	red	na
chrUn	51324704	51327114	2411	CarSat1	red	na
chrUn	51327130	51328092	963	CarSat1	red	na
chrUn	51328119	51330304	2186	CarSat1	red	na
chrUn	51330331	51333521	3191	CarSat1	red	na
chrUn	51333558	51334491	934	CarSat1	red	na
chrUn	51334515	51335737	1223	CarSat1	red	na
chrUn	51335774	51337677	1904	CarSat1	red	na
chrUn	51339488	51340627	1140	CarSat1	red	na
chrUn	51340654	51341828	1175	CarSat1	red	na
chrUn	51341828	51342145	318	SAT1_CF	blue	na
chrUn	51342172	51342368	197	SAT1_CF	blue	na
chrUn	51343332	51344296	965	CarSat1	red	na
chrUn	51344324	51345531	1208	CarSat1	red	na
chrUn	51345556	51350691	5136	CarSat1	red	na
chrUn	51350707	51351941	1235	CarSat1	red	na
chrUn	51351971	51352649	679	CarSat1	red	na
chrUn	51352688	51353157	470	CarSat1	red	na
chrUn	51353173	51354232	1060	CarSat1	red	na
chrUn	51359624	51359670	47	Sat111CF	na	na
chrUn	51359960	51360200	241	Sat5CF	stalk	na
chrUn	51359987	51360200	214	Sat111CF	na	na
chrUn	51441067	51441771	705	CarSat1	red	na
chrUn	51441801	51443383	1583	CarSat1	red	na
chrUn	51443404	51444195	792	CarSat1	red	na
chrUn	51444277	51445133	857	CarSat1	red	na
chrUn	51445154	51446370	1217	CarSat1	red	na
chrUn	51446442	51447456	1015	SAT1_CF	blue	na
chrUn	51447451	51448175	725	CarSat1	red	na
chrUn	51448207	51448633	427	CarSat1	red	na
chrUn	51450519	51450681	163	Sat2CF	purple	na
chrUn	51450547	51450906	360	Sat2CF	purple	na
chrUn	51450586	51451370	785	Sat2CF	purple	na
chrUn	51466803	51467928	1126	Sat2CF	purple	na
chrUn	51467478	51468009	532	Sat2CF	purple	na
chrUn	51503906	51504163	258	Sat11CF	na	na
chrUn	51504215	51504360	146	Sat11CF	na	na
chrUn	51504411	51504791	381	Sat11CF	na	na
chrUn	51514138	51515058	921	Sat2CF	purple	na
chrUn	51514951	51515129	179	Sat2CF	purple	na

chrUn	51529948	51530112	165 Sat2CF	purple	na
chrUn	51529968	51530806	839 Sat2CF	purple	na
chrUn	51530019	51530745	727 Sat2CF	purple	na
chrUn	51590345	51591056	712 CarSat1	red	na
chrUn	51591251	51592868	1618 CarSat1	red	na
chrUn	51592901	51593601	701 CarSat1	red	na
chrUn	51593615	51595552	1938 CarSat1	red	na
chrUn	51595573	51596190	618 CarSat1	red	na
chrUn	51596633	51599759	3127 CarSat1	red	na
chrUn	51602272	51603023	752 CarSat1	red	na
chrUn	51603044	51603757	714 CarSat1	red	na
chrUn	51603778	51604489	712 CarSat1	red	na
chrUn	51604516	51605226	711 CarSat1	red	na
chrUn	51605253	51605963	711 CarSat1	red	na
chrUn	51605990	51606701	712 CarSat1	red	na
chrUn	51606723	51607441	719 CarSat1	red	na
chrUn	51607468	51607908	441 CarSat1	red	na
chrUn	51608389	51610135	1747 CarSat1	red	na
chrUn	51611390	51613380	1991 CarSat1	red	na
chrUn	51613407	51614348	942 CarSat1	red	na
chrUn	51615439	51617910	2472 CarSat1	red	na
chrUn	51619089	51620564	1476 CarSat1	red	na
chrUn	51621676	51622814	1139 SAT1_CF	blue	na
chrUn	51622825	51623428	604 SAT1_CF	blue	na
chrUn	51623450	51624640	1191 SAT1_CF	blue	na
chrUn	51624654	51626938	2285 SAT1_CF	blue	na
chrUn	51626949	51628450	1502 SAT1_CF	blue	na
chrUn	51638294	51638872	579 SAT1_CF	blue	na
chrUn	51638888	51639055	168 SAT1_CF	blue	na
chrUn	51639107	51639593	487 SAT1_CF	blue	na
chrUn	51639608	51639802	195 SAT1_CF	blue	na
chrUn	51639819	51642657	2839 SAT1_CF	blue	na
chrUn	51642700	51643905	1206 SAT1_CF	blue	na
chrUn	51643948	51645092	1145 SAT1_CF	blue	na
chrUn	51645108	51647118	2011 SAT1_CF	blue	na
chrUn	51647200	51647943	744 SAT1_CF	blue	na
chrUn	51651379	51652017	639 CarSat1	red	na
chrUn	51652032	51652159	128 Carsat2	orange	na
chrUn	51652047	51652752	706 CarSat1	red	na
chrUn	51652782	51653487	706 CarSat1	red	na
chrUn	51653502	51653625	124 Carsat2	orange	na
chrUn	51653517	51654224	708 CarSat1	red	na

chrUn	51654239	51654364	126	Carsat2	orange	na
chrUn	51654254	51654959	706	CarSat1	red	na
chrUn	51654989	51655696	708	CarSat1	red	na
chrUn	51655711	51655837	127	Carsat2	orange	na
chrUn	51655726	51657908	2183	CarSat1	red	na
chrUn	51657923	51658049	127	Carsat2	orange	na
chrUn	51657938	51658644	707	CarSat1	red	na
chrUn	51658674	51659380	707	CarSat1	red	na
chrUn	51659395	51659522	128	Carsat2	orange	na
chrUn	51659410	51660119	710	CarSat1	red	na
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chrUn	51660149	51661376	1228	CarSat1	red	na
chrUn	51661409	51662855	1447	CarSat1	red	na
chrUn	51662888	51664827	1940	CarSat1	red	na
chrUn	51664848	51667025	2178	CarSat1	red	na
chrUn	51667046	51669233	2188	CarSat1	red	na
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chrUn	51671924	51672050	127	Carsat2	orange	na
chrUn	51671939	51674869	2931	CarSat1	red	na
chrUn	51674884	51675011	128	Carsat2	orange	na
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chrUn	51675621	51675748	128	Carsat2	orange	na
chrUn	51675636	51676346	711	CarSat1	red	na
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chrUn	51676376	51677821	1446	CarSat1	red	na
chrUn	51677836	51677963	128	Carsat2	orange	na
chrUn	51677851	51678557	707	CarSat1	red	na
chrUn	51678587	51680240	1654	CarSat1	red	na
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chrUn	51730682	51731256	575	SAT1_CF	blue	na
chrUn	51731278	51731374	97	SAT1_CF	blue	na
chrUn	51731398	51732229	832	SAT1_CF	blue	na
chrUn	51732243	51733115	873	SAT1_CF	blue	na
chrUn	51733145	51733688	544	SAT1_CF	blue	na
chrUn	51733730	51735155	1426	SAT1_CF	blue	na
chrUn	51735177	51735284	108	SAT1_CF	blue	na
chrUn	51735297	51735796	500	SAT1_CF	blue	na
chrUn	51735864	51736001	138	SAT1_CF	blue	na
chrUn	51736034	51736540	507	SAT1_CF	blue	na
chrUn	51736571	51738031	1461	SAT1_CF	blue	na

chrUn	51738043	51738665	623 SAT1_CF	blue	na
chrUn	51738678	51739678	1001 SAT1_CF	blue	na
chrUn	51739721	51740395	675 SAT1_CF	blue	na
chrUn	51740408	51740890	483 SAT1_CF	blue	na
chrUn	51740950	51741405	456 SAT1_CF	blue	na
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chrUn	51742317	51742861	545 SAT1_CF	blue	na
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chrUn	51745745	51746291	547 SAT1_CF	blue	na
chrUn	51746335	51747332	998 SAT1_CF	blue	na
chrUn	51747375	51748054	680 SAT1_CF	blue	na
chrUn	51748066	51748873	808 SAT1_CF	blue	na
chrUn	51748900	51749420	521 SAT1_CF	blue	na
chrUn	51749441	51751523	2083 SAT1_CF	blue	na
chrUn	51751540	51751652	113 SAT1_CF	blue	na
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chrUn	51753315	51753822	508 SAT1_CF	blue	na
chrUn	51753869	51754942	1074 SAT1_CF	blue	na
chrUn	51754991	51755536	546 SAT1_CF	blue	na
chrUn	51755549	51755665	117 SAT1_CF	blue	na
chrUn	51755677	51756348	672 SAT1_CF	blue	na
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chrUn	51756918	51757297	380 SAT1_CF	blue	na
chrUn	51758302	51758827	526 SAT1_CF	blue	na
chrUn	51758856	51760356	1501 SAT1_CF	blue	na
chrUn	51760399	51761714	1316 SAT1_CF	blue	na
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chrUn	51762446	51763939	1494 SAT1_CF	blue	na
chrUn	51764423	51765480	1058 SAT1_CF	blue	na
chrUn	51765508	51765643	136 SAT1_CF	blue	na
chrUn	51765710	51766208	499 SAT1_CF	blue	na
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chrUn	51766473	51767565	1093 SAT1_CF	blue	na
chrUn	51767609	51768237	629 SAT1_CF	blue	na
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chrUn	51768915	51769458	544 SAT1_CF	blue	na
chrUn	51769529	51770002	474 SAT1_CF	blue	na

chrUn	51770016	51770131	116 SAT1_CF	blue	na
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chrUn	51771426	51773144	1719 SAT1_CF	blue	na
chrUn	51773187	51773611	425 SAT1_CF	blue	na
chrUn	51773624	51774252	629 SAT1_CF	blue	na
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chrUn	51774822	51776019	1198 SAT1_CF	blue	na
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chrUn	51776924	51777621	698 SAT1_CF	blue	na
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chrUn	51780327	51781866	1540 SAT1_CF	blue	na
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chrUn	51785073	51786038	966 SAT1_CF	blue	na
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chrUn	51787155	51787649	495 SAT1_CF	blue	na
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chrUn	51796042	51796320	279 SAT1_CF	blue	na
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chrUn	51802029	51802201	173 SAT1_CF	blue	na

chrUn	51802245	51803579	1335 SAT1_CF	blue	na
chrUn	51803591	51804261	671 SAT1_CF	blue	na
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chrUn	51812655	51813513	859 SAT1_CF	blue	na
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chrUn	51852512	51853698	1187 CarSat1	red	na
chrUn	51879695	51880870	1176 Sat2CF	purple	na
chrUn	51881257	51882343	1087 Sat2CF	purple	na
chrUn	51884040	51887407	3368 CarSat1	red	na
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chrUn	51888914	51889414	501 CarSat1	red	na
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chrUn	51890395	51892570	2176 CarSat1	red	na
chrUn	51892603	51893088	486 CarSat1	red	na
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chrUn	51894590	51896992	2403 CarSat1	red	na
chrUn	51897025	51899737	2713 CarSat1	red	na
chrUn	51899752	51900473	722 CarSat1	red	na
chrUn	51900488	51901424	937 CarSat1	red	na
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chrUn	51904290	51905754	1465	CarSat1	red	na
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chrUn	51907305	51907975	671	CarSat1	red	na
chrUn	51907990	51908916	927	CarSat1	red	na
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chrUn	51968898	51970353	1456	CarSat1	red	na
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chrUn	51970383	51971611	1229	CarSat1	red	na
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chrUn	51972600	51977992	5393	CarSat1	red	na
chrUn	51978015	51980205	2191	CarSat1	red	na
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chrUn	51985865	51986571	707	CarSat1	red	na
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chrUn	52079818	52082763	2946 CarSat1	red	na
chrUn	52087024	52087822	799 Sat2CF	purple	na
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chrUn	52132343	52133519	1177 Sat2CF	purple	na
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chrUn	52202150	52204047	1898 SAT1_CF	blue	na
chrUn	52204062	52205005	944 SAT1_CF	blue	na
chrUn	52205018	52205865	848 SAT1_CF	blue	na
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chrUn	52207014	52207113	100 SAT1_CF	blue	na

chrUn	52207134	52207596	463 SAT1_CF	blue	na
chrUn	52247740	52248403	664 SAT1_CF	blue	na
chrUn	52248415	52248922	508 SAT1_CF	blue	na
chrUn	52251761	52252874	1114 SAT1_CF	blue	na
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chrUn	52258675	52259086	412 SAT1_CF	blue	na
chrUn	52259129	52259682	554 SAT1_CF	blue	na
chrUn	52259694	52260010	317 SAT1_CF	blue	na
chrUn	52262352	52264422	2071 SAT1_CF	blue	na
chrUn	52264435	52265116	682 SAT1_CF	blue	na
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chrUn	52270644	52271146	503 SAT1_CF	blue	na
chrUn	52271159	52271757	599 SAT1_CF	blue	na
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chrUn	52273763	52274395	633 SAT1_CF	blue	na
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chrUn	52327068	52327746	679 SAT1_CF	blue	na
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chrUn	52330342	52330889	548 SAT1_CF	blue	na
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chrUn	52331946	52333303	1358 SAT1_CF	blue	na
chrUn	52333315	52334518	1204 SAT1_CF	blue	na
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chrUn	52335800	52336743	944 SAT1_CF	blue	na
chrUn	52336800	52337320	521 SAT1_CF	blue	na
chrUn	52337388	52339428	2041 SAT1_CF	blue	na
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chrUn	52340155	52340655	501 SAT1_CF	blue	na
chrUn	52340721	52340856	136 SAT1_CF	blue	na
chrUn	52340871	52341395	525 SAT1_CF	blue	na
chrUn	52341476	52342262	787 SAT1_CF	blue	na
chrUn	52342285	52342390	106 SAT1_CF	blue	na
chrUn	52342403	52342922	520 SAT1_CF	blue	na
chrUn	52342941	52343124	184 SAT1_CF	blue	na
chrUn	52343306	52345100	1795 SAT1_CF	blue	na
chrUn	52345112	52345670	559 SAT1_CF	blue	na
chrUn	52345735	52346253	519 SAT1_CF	blue	na
chrUn	52346324	52347104	781 SAT1_CF	blue	na
chrUn	52347146	52348007	862 SAT1_CF	blue	na
chrUn	52348019	52349255	1237 SAT1_CF	blue	na
chrUn	52349298	52349844	547 SAT1_CF	blue	na
chrUn	52349901	52350568	668 SAT1_CF	blue	na
chrUn	52350580	52351211	632 SAT1_CF	blue	na
chrUn	52351234	52351854	621 SAT1_CF	blue	na
chrUn	52351894	52352853	960 SAT1_CF	blue	na
chrUn	52352897	52353494	598 SAT1_CF	blue	na
chrUn	52372226	52372364	139 Carsat3	green	na
chrUn	52372391	52373177	787 Carsat3	green	na
chrUn	52373476	52373552	77 Carsat3	green	na
chrUn	52464557	52465997	1441 SAT1_CF	blue	na
chrUn	52466040	52466720	681 SAT1_CF	blue	na
chrUn	52466734	52467416	683 SAT1_CF	blue	na
chrUn	52467430	52469238	1809 SAT1_CF	blue	na
chrUn	52469283	52469830	548 SAT1_CF	blue	na
chrUn	52469850	52469959	110 SAT1_CF	blue	na
chrUn	52469971	52470690	720 SAT1_CF	blue	na
chrUn	52470706	52471381	676 SAT1_CF	blue	na
chrUn	52471393	52472063	671 SAT1_CF	blue	na
chrUn	52472132	52472757	626 SAT1_CF	blue	na
chrUn	52472770	52473766	997 SAT1_CF	blue	na
chrUn	52475355	52476049	695 SAT1_CF	blue	na
chrUn	52476071	52476209	139 SAT1_CF	blue	na
chrUn	52476222	52476722	501 SAT1_CF	blue	na
chrUn	52479341	52479693	353 SAT1_CF	blue	na
chrUn	52479717	52480956	1240 SAT1_CF	blue	na
chrUn	52480999	52481339	341 SAT1_CF	blue	na
chrUn	52487643	52488204	562 SAT1_CF	blue	na
chrUn	52488219	52488604	386 SAT1_CF	blue	na
chrUn	52488631	52489536	906 SAT1_CF	blue	na

chrUn	52490180	52490577	398 SAT1_CF	blue	na
chrUn	52490590	52491091	502 SAT1_CF	blue	na
chrUn	52491131	52492172	1042 SAT1_CF	blue	na
chrUn	52492208	52493170	963 SAT1_CF	blue	na
chrUn	52493213	52493885	673 SAT1_CF	blue	na
chrUn	52493897	52494659	763 SAT1_CF	blue	na
chrUn	52494677	52495273	597 SAT1_CF	blue	na
chrUn	52496618	52497912	1295 SAT1_CF	blue	na
chrUn	52497960	52498503	544 SAT1_CF	blue	na
chrUn	52498560	52499224	665 SAT1_CF	blue	na
chrUn	52499241	52499737	497 SAT1_CF	blue	na
chrUn	52499777	52500707	931 SAT1_CF	blue	na
chrUn	52500741	52501813	1073 SAT1_CF	blue	na
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chrUn	52504459	52505166	708 SAT1_CF	blue	na
chrUn	52505177	52505397	221 SAT1_CF	blue	na
chrUn	52506398	52506581	184 SAT1_CF	blue	na
chrUn	52506625	52507580	956 SAT1_CF	blue	na
chrUn	52507594	52508302	709 SAT1_CF	blue	na
chrUn	52508334	52508688	355 SAT1_CF	blue	na
chrUn	52508794	52509274	481 SAT1_CF	blue	na
chrUn	52509287	52509360	74 SAT1_CF	blue	na
chrUn	52509416	52509969	554 SAT1_CF	blue	na
chrUn	52509991	52511154	1164 SAT1_CF	blue	na
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chrUn	52513716	52514392	677 SAT1_CF	blue	na
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chrUn	52518022	52519375	1354 SAT1_CF	blue	na
chrUn	52519388	52520088	701 SAT1_CF	blue	na
chrUn	52520100	52521740	1641 SAT1_CF	blue	na
chrUn	52521752	52521836	85 SAT1_CF	blue	na
chrUn	52521849	52522372	524 SAT1_CF	blue	na
chrUn	52522384	52522782	399 SAT1_CF	blue	na
chrUn	52522805	52523323	519 SAT1_CF	blue	na
chrUn	52523351	52524020	670 SAT1_CF	blue	na

chrUn	52524032	52524714	683 SAT1_CF	blue	na
chrUn	52524725	52525217	493 SAT1_CF	blue	na
chrUn	52525245	52526263	1019 SAT1_CF	blue	na
chrUn	52526328	52526889	562 SAT1_CF	blue	na
chrUn	52528305	52528878	574 SAT1_CF	blue	na
chrUn	52528913	52529420	508 SAT1_CF	blue	na
chrUn	52529433	52530108	676 SAT1_CF	blue	na
chrUn	52530151	52531137	987 SAT1_CF	blue	na
chrUn	52531158	52532191	1034 SAT1_CF	blue	na
chrUn	52532211	52532729	519 SAT1_CF	blue	na
chrUn	52532742	52533414	673 SAT1_CF	blue	na
chrUn	52533443	52533964	522 SAT1_CF	blue	na
chrUn	52533991	52534189	199 SAT1_CF	blue	na
chrUn	52573275	52574322	1048 CarSat1	red	na
chrUn	52576345	52577547	1203 CarSat1	red	na
chrUn	52577572	52578497	926 CarSat1	red	na
chrUn	52578512	52578638	127 Carsat2	orange	na
chrUn	52578527	52579134	608 CarSat1	red	na
chrUn	52579547	52580727	1181 CarSat1	red	na
chrUn	52580828	52581492	665 CarSat1	red	na
chrUn	52581507	52581634	128 Carsat2	orange	na
chrUn	52581522	52583856	2335 CarSat1	red	na
chrUn	52584256	52586328	2073 CarSat1	red	na
chrUn	52586353	52589009	2657 CarSat1	red	na
chrUn	52589024	52589148	125 Carsat2	orange	na
chrUn	52589039	52589832	794 CarSat1	red	na
chrUn	52590735	52592096	1362 CarSat1	red	na
chrUn	52592111	52592234	124 Carsat2	orange	na
chrUn	52592126	52592946	821 CarSat1	red	na
chrUn	52592981	52595156	2176 CarSat1	red	na
chrUn	52595183	52596569	1387 CarSat1	red	na
chrUn	52596588	52598900	2313 CarSat1	red	na
chrUn	52598929	52601108	2180 CarSat1	red	na
chrUn	52601963	52603137	1175 CarSat1	red	na
chrUn	52603174	52604267	1094 CarSat1	red	na
chrUn	52605530	52605898	369 Carsat2	orange	na
chrUn	52605568	52606863	1296 CarSat1	red	na
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chrUn	52683680	52684866	1187 SAT1_CF	blue	na
chrUn	52684893	52685395	503 SAT1_CF	blue	na
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chrUn	52688370	52688447	78 SAT1_CF	blue	na

chrUn	52688485	52688854	370 SAT1_CF	blue	na
chrUn	52688882	52689391	510 SAT1_CF	blue	na
chrUn	52689456	52689613	158 SAT1_CF	blue	na
chrUn	52689639	52690157	519 SAT1_CF	blue	na
chrUn	52690177	52690775	599 SAT1_CF	blue	na
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chrUn	52692601	52693557	957 SAT1_CF	blue	na
chrUn	52693673	52694616	944 SAT1_CF	blue	na
chrUn	52694654	52695174	521 SAT1_CF	blue	na
chrUn	52695187	52695295	109 SAT1_CF	blue	na
chrUn	52695316	52697681	2366 SAT1_CF	blue	na
chrUn	52697751	52698909	1159 SAT1_CF	blue	na
chrUn	52698922	52701174	2253 SAT1_CF	blue	na
chrUn	52701187	52701294	108 SAT1_CF	blue	na
chrUn	52701316	52702749	1434 SAT1_CF	blue	na
chrUn	52702761	52703875	1115 SAT1_CF	blue	na
chrUn	52703887	52705331	1445 SAT1_CF	blue	na
chrUn	52705377	52706930	1554 SAT1_CF	blue	na
chrUn	52710259	52711130	872 Sat2CF	purple	na
chrUn	52710354	52711132	779 Sat2CF	purple	na
chrUn	52710846	52711191	346 Sat2CF	purple	na
chrUn	52743103	52744270	1168 Sat2CF	purple	na
chrUn	52744162	52744341	180 Sat2CF	purple	na
chrUn	52759451	52760292	842 Sat2CF	purple	na
chrUn	52861495	52862398	904 CarSat1	red	na
chrUn	52862419	52863275	857 CarSat1	red	na
chrUn	52863429	52864468	1040 CarSat1	red	na
chrUn	52868359	52869205	847 Sat2CF	purple	na
chrUn	52868443	52869167	725 Sat2CF	purple	na
chrUn	52869058	52869226	169 Sat2CF	purple	na
chrUn	52880154	52881328	1175 Sat2CF	purple	na
chrUn	52935367	52935925	559 Sat2CF	purple	na
chrUn	52935376	52935851	476 Sat2CF	purple	na
chrUn	52966473	52967087	615 SAT1_CF	blue	na
chrUn	52967132	52967526	395 SAT1_CF	blue	na
chrUn	52967541	52968175	635 SAT1_CF	blue	na
chrUn	52968201	52969323	1123 SAT1_CF	blue	na
chrUn	52969336	52970434	1099 SAT1_CF	blue	na
chrUn	52970678	52970819	142 SAT1_CF	blue	na
chrUn	52970863	52972195	1333 SAT1_CF	blue	na
chrUn	52972207	52973684	1478 SAT1_CF	blue	na

chrUn	52973697	52974198	502 SAT1_CF	blue	na
chrUn	52974237	52974418	182 SAT1_CF	blue	na
chrUn	52974599	52975462	864 SAT1_CF	blue	na
chrUn	52975477	52976634	1158 SAT1_CF	blue	na
chrUn	52976648	52977408	761 SAT1_CF	blue	na
chrUn	52977421	52978580	1160 SAT1_CF	blue	na
chrUn	52978624	52979300	677 SAT1_CF	blue	na
chrUn	52979314	52979995	682 SAT1_CF	blue	na
chrUn	52980007	52980690	684 SAT1_CF	blue	na
chrUn	52980703	52981219	517 SAT1_CF	blue	na
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chrUn	52981652	52982622	971 SAT1_CF	blue	na
chrUn	52982666	52984771	2106 SAT1_CF	blue	na
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chrUn	52989318	52990441	1124 SAT1_CF	blue	na
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chrUn	52992419	52993609	1191 SAT1_CF	blue	na
chrUn	53064394	53064849	456 SAT1_CF	blue	na
chrUn	53064862	53065355	494 SAT1_CF	blue	na
chrUn	53065366	53066048	683 SAT1_CF	blue	na
chrUn	53066060	53067257	1198 SAT1_CF	blue	na
chrUn	53067344	53069330	1987 SAT1_CF	blue	na
chrUn	53069373	53069918	546 SAT1_CF	blue	na
chrUn	53070265	53070798	534 SAT1_CF	blue	na
chrUn	53070811	53071331	521 SAT1_CF	blue	na
chrUn	53071357	53071513	157 SAT1_CF	blue	na
chrUn	53071541	53072983	1443 SAT1_CF	blue	na
chrUn	53072996	53073755	760 SAT1_CF	blue	na
chrUn	53073768	53074267	500 SAT1_CF	blue	na
chrUn	53074302	53074684	383 SAT1_CF	blue	na
chrUn	53074719	53075680	962 SAT1_CF	blue	na
chrUn	53075723	53076927	1205 SAT1_CF	blue	na
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chrUn	53077685	53078190	506 SAT1_CF	blue	na
chrUn	53078244	53078886	643 SAT1_CF	blue	na
chrUn	53078973	53080259	1287 SAT1_CF	blue	na
chrUn	53080304	53080461	158 SAT1_CF	blue	na

chrUn	53080476	53080999	524 SAT1_CF	blue	na
chrUn	53081079	53081643	565 SAT1_CF	blue	na
chrUn	53081671	53082301	631 SAT1_CF	blue	na
chrUn	53082344	53083021	678 SAT1_CF	blue	na
chrUn	53083033	53083318	286 SAT1_CF	blue	na
chrUn	53083329	53083834	506 SAT1_CF	blue	na
chrUn	53083854	53083963	110 SAT1_CF	blue	na
chrUn	53083975	53084660	686 SAT1_CF	blue	na
chrUn	53084685	53085186	502 SAT1_CF	blue	na
chrUn	53085215	53085663	449 SAT1_CF	blue	na
chrUn	53085674	53086949	1276 SAT1_CF	blue	na
chrUn	53086961	53088438	1478 SAT1_CF	blue	na
chrUn	53088456	53090168	1713 SAT1_CF	blue	na
chrUn	53090238	53091702	1465 SAT1_CF	blue	na
chrUn	53120784	53121981	1198 CarSat1	red	na
chrUn	53123920	53125364	1445 CarSat1	red	na
chrUn	53126614	53128057	1444 CarSat1	red	na
chrUn	53128072	53128198	127 Carsat2	orange	na
chrUn	53128087	53128624	538 CarSat1	red	na
chrUn	53131631	53132377	747 CarSat1	red	na
chrUn	53132404	53135053	2650 CarSat1	red	na
chrUn	53135068	53135194	127 Carsat2	orange	na
chrUn	53135083	53136229	1147 CarSat1	red	na
chrUn	53136937	53139108	2172 CarSat1	red	na
chrUn	53139935	53140459	525 CarSat1	red	na
chrUn	53140470	53140600	131 Carsat2	orange	na
chrUn	53140489	53141526	1038 CarSat1	red	na
chrUn	53142382	53143399	1018 CarSat1	red	na
chrUn	53143414	53143541	128 Carsat2	orange	na
chrUn	53143429	53144137	709 CarSat1	red	na
chrUn	53144168	53144878	711 CarSat1	red	na
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chrUn	53145644	53148400	2757 CarSat1	red	na
chrUn	53148421	53149136	716 CarSat1	red	na
chrUn	53149157	53149875	719 CarSat1	red	na
chrUn	53149896	53150340	445 CarSat1	red	na
chrUn	53150370	53152087	1718 CarSat1	red	na
chrUn	53152108	53152826	719 CarSat1	red	na
chrUn	53152847	53154843	1997 CarSat1	red	na
chrUn	53156277	53157577	1301 CarSat1	red	na
chrUn	53158587	53159322	736 SAT1_CF	blue	na
chrUn	53159335	53159816	482 SAT1_CF	blue	na

chrUn	53160124	53160289	166 SAT1_CF	blue	na
chrUn	53160322	53162120	1799 SAT1_CF	blue	na
chrUn	53162134	53162763	630 SAT1_CF	blue	na
chrUn	53162784	53162892	109 SAT1_CF	blue	na
chrUn	53162904	53163587	684 SAT1_CF	blue	na
chrUn	53163600	53164119	520 SAT1_CF	blue	na
chrUn	53164187	53165085	899 SAT1_CF	blue	na
chrUn	53165140	53166138	999 SAT1_CF	blue	na
chrUn	53166181	53166849	669 SAT1_CF	blue	na
chrUn	53166867	53167417	551 SAT1_CF	blue	na
chrUn	53167440	53167511	72 SAT1_CF	blue	na
chrUn	53167524	53168285	762 SAT1_CF	blue	na
chrUn	53168298	53168799	502 SAT1_CF	blue	na
chrUn	53168886	53170879	1994 SAT1_CF	blue	na
chrUn	53170922	53171596	675 SAT1_CF	blue	na
chrUn	53171608	53172182	575 SAT1_CF	blue	na
chrUn	53172235	53172311	77 SAT1_CF	blue	na
chrUn	53172324	53173159	836 SAT1_CF	blue	na
chrUn	53173172	53174485	1314 SAT1_CF	blue	na
chrUn	53174497	53175011	515 SAT1_CF	blue	na
chrUn	53175037	53175572	536 SAT1_CF	blue	na
chrUn	53175617	53176343	727 SAT1_CF	blue	na
chrUn	53176386	53177062	677 SAT1_CF	blue	na
chrUn	53177074	53177676	603 SAT1_CF	blue	na
chrUn	53177687	53178367	681 SAT1_CF	blue	na
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chrUn	53179082	53180951	1870 SAT1_CF	blue	na
chrUn	53180974	53181079	106 SAT1_CF	blue	na
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chrUn	53184695	53185550	856 SAT1_CF	blue	na
chrUn	53215661	53216498	838 Sat2CF	purple	na
chrUn	53215735	53216461	727 Sat2CF	purple	na
chrUn	53216351	53216519	169 Sat2CF	purple	na
chrUn	53231488	53232708	1221 Sat2CF	purple	na
chrUn	53242486	53242899	414 Sat2CF	purple	na
chrUn	53247069	53249294	2226 CarSat1	red	na
chrUn	53249327	53254023	4697 CarSat1	red	na
chrUn	53254211	53259316	5106 CarSat1	red	na
chrUn	53259331	53259457	127 Carsat2	orange	na

chrUn	53259346	53262977	3632	CarSat1	red	na
chrUn	53263286	53269673	6388	CarSat1	red	na
chrUn	53269689	53271145	1457	CarSat1	red	na
chrUn	53271161	53271882	722	CarSat1	red	na
chrUn	53271898	53272619	722	CarSat1	red	na
chrUn	53272644	53274173	1530	CarSat1	red	na
chrUn	53289136	53290213	1078	Sat2CF	purple	na
chrUn	53306693	53307233	541	CarSat1	red	na
chrUn	53307254	53308434	1181	CarSat1	red	na
chrUn	53308464	53309171	708	CarSat1	red	na
chrUn	53309201	53310431	1231	CarSat1	red	na
chrUn	53310447	53311899	1453	CarSat1	red	na
chrUn	53311923	53312859	937	CarSat1	red	na
chrUn	53312889	53313868	980	CarSat1	red	na
chrUn	53313895	53321466	7572	CarSat1	red	na
chrUn	53321480	53324884	3405	CarSat1	red	na
chrUn	53324905	53327804	2900	CarSat1	red	na
chrUn	53327986	53330464	2479	CarSat1	red	na
chrUn	53330497	53330934	438	CarSat1	red	na
chrUn	53331165	53332470	1306	CarSat1	red	na
chrUn	53332659	53333453	795	CarSat1	red	na
chrUn	53334494	53335377	884	SAT1_CF	blue	na
chrUn	53335391	53335899	509	SAT1_CF	blue	na
chrUn	53335912	53335993	82	SAT1_CF	blue	na
chrUn	53336041	53337364	1324	SAT1_CF	blue	na
chrUn	53337379	53338062	684	SAT1_CF	blue	na
chrUn	53338074	53339001	928	SAT1_CF	blue	na
chrUn	53339014	53340058	1045	SAT1_CF	blue	na
chrUn	53340098	53340598	501	SAT1_CF	blue	na
chrUn	53340616	53342096	1481	SAT1_CF	blue	na
chrUn	53342107	53342509	403	SAT1_CF	blue	na
chrUn	53342549	53343637	1089	SAT1_CF	blue	na
chrUn	53343655	53344980	1326	SAT1_CF	blue	na
chrUn	53345005	53345329	325	SAT1_CF	blue	na
chrUn	53345407	53345915	509	SAT1_CF	blue	na
chrUn	53345998	53346579	582	SAT1_CF	blue	na
chrUn	53346601	53347352	752	SAT1_CF	blue	na
chrUn	53347365	53347981	617	SAT1_CF	blue	na
chrUn	53348194	53348349	156	SAT1_CF	blue	na
chrUn	53348375	53351265	2891	SAT1_CF	blue	na
chrUn	53352344	53352942	599	SAT1_CF	blue	na
chrUn	53352954	53353629	676	SAT1_CF	blue	na

chrUn	53353671	53354884	1214 SAT1_CF	blue	na
chrUn	53355228	53355679	452 SAT1_CF	blue	na
chrUn	53355693	53356798	1106 SAT1_CF	blue	na
chrUn	53356842	53357801	960 SAT1_CF	blue	na
chrUn	53357861	53358795	935 SAT1_CF	blue	na
chrUn	53358808	53361000	2193 SAT1_CF	blue	na
chrUn	53361225	53361382	158 SAT1_CF	blue	na
chrUn	53361408	53361927	520 SAT1_CF	blue	na
chrUn	53361947	53362722	776 SAT1_CF	blue	na
chrUn	53367859	53368185	327 SAT1_CF	blue	na
chrUn	53384438	53385921	1484 CarSat1	red	na
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chrUn	53386809	53388401	1593 CarSat1	red	na
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chrUn	53486353	53487751	1399 CarSat1	red	na
chrUn	53487772	53488402	631 CarSat1	red	na
chrUn	53488683	53489700	1018 CarSat1	red	na
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chrUn	53502142	53502632	491 CarSat1	red	na
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chrUn	54361272	54362009	738	Sat2CF	purple	na
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chrUn	54448867	54450329	1463	CarSat1	red	na
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chrUn	58069391	58069592	202 Sat2CF	purple	na
chrUn	58071211	58071620	410 CarSat1	red	na
chrUn	58072426	58072568	143 CarSat1	red	na
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chrUn	58132149	58132691	543 SAT1_CF	blue	na
chrUn	58132735	58133395	661 SAT1_CF	blue	na
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chrUn	58138719	58138884	166 SAT1_CF	blue	na
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chrUn	58139801	58139909	109 SAT1_CF	blue	na

chrUn	58139929	58141172	1244 SAT1_CF	blue	na
chrUn	58141216	58142098	883 SAT1_CF	blue	na
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chrUn	58142680	58142839	160 SAT1_CF	blue	na
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chrUn	58143807	58145619	1813 SAT1_CF	blue	na
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chrUn	58146589	58148468	1880 SAT1_CF	blue	na
chrUn	58148585	58149247	663 SAT1_CF	blue	na
chrUn	58149262	58149526	265 SAT1_CF	blue	na
chrUn	58149562	58150071	510 SAT1_CF	blue	na
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chrUn	58150772	58151313	542 SAT1_CF	blue	na
chrUn	58151359	58151918	560 SAT1_CF	blue	na
chrUn	58152005	58152505	501 SAT1_CF	blue	na
chrUn	58152523	58153276	754 SAT1_CF	blue	na
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chrUn	58211219	58211346	128 Carsat2	orange	na
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chrUn	58215655	58217835	2181 CarSat1	red	na
chrUn	58217865	58218947	1083 CarSat1	red	na
chrUn	58219050	58219856	807 CarSat1	red	na
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chrUn	58220832	58222281	1450 CarSat1	red	na
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chrUn	58223047	58225226	2180 CarSat1	red	na
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chrUn	58226714	58226841	128 Carsat2	orange	na

chrUn	58226729	58227435	707	CarSat1	red	na
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chrUn	58313430	58314258	829	CarSat1	red	na
chrUn	58314447	58315078	632	CarSat1	red	na
chrUn	58315111	58315802	692	CarSat1	red	na
chrUn	58315831	58316543	713	CarSat1	red	na
chrUn	58316576	58317276	701	CarSat1	red	na
chrUn	58317301	58318569	1269	CarSat1	red	na
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chrUn	58325231	58325752	522	Sat2CF	purple	na
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chrUn	58472394	58473850	1457	CarSat1	red	na
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chrUn	58475349	58476546	1198	CarSat1	red	na
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chrUn	58477560	58478600	1041	CarSat1	red	na
chrUn	58482605	58483997	1393	CarSat1	red	na
chrUn	58484026	58484758	733	CarSat1	red	na
chrUn	58484776	58485831	1056	CarSat1	red	na
chrUn	58485872	58487233	1362	SAT1_CF	blue	na
chrUn	58487471	58488368	898	Sat2CF	purple	na
chrUn	58488234	58488396	163	Sat2CF	purple	na
chrUn	58499475	58499710	236	Sat2CF	purple	na
chrUn	58499516	58500125	610	Sat2CF	purple	na
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chrUn	58504665	58505126	462	CarSat1	red	na
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chrUn	58632805	58633512	708	CarSat1	red	na
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chrUn	58633542	58634249	708	CarSat1	red	na
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chrUn	58636465	58636588	124	Carsat2	orange	na
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chrUn	58670295	58671717	1423 SAT1_CF	blue	na
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chrUn	58673673	58674252	580 SAT1_CF	blue	na
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chrUn	58675240	58675347	108 SAT1_CF	blue	na
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chrUn	58738712	58738837	126 Carsat2	orange	na
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chrUn	58740199	58741110	912 CarSat1	red	na
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chrUn	58743436	58743563	128 Carsat2	orange	na
chrUn	58743451	58743937	487 CarSat1	red	na
chrUn	58743958	58747381	3424 CarSat1	red	na
chrUn	58747410	58748360	951 CarSat1	red	na

chrUn	58748387	58749098	712	CarSat1	red	na
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chrUn	58751573	58752464	892	CarSat1	red	na
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chrUn	58754837	58756162	1326	CarSat1	red	na
chrUn	58756183	58759834	3652	CarSat1	red	na
chrUn	58759855	58760833	979	CarSat1	red	na
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chrUn	58892364	58893036	673	Sat2CF	purple	na
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chrUn	58909330	58909710	381	CarSat1	red	na
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chrUn	58916159	58916738	580	SAT1_CF	blue	na
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chrUn	58991647	58992257	611 CarSat1	red	na
chrUn	58992456	58992555	100 CarSat1	red	na
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chrUn	59016604	59017391	788 Sat2CF	purple	na
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chrUn	59030543	59031258	716	CarSat1	red	na
chrUn	59031408	59031801	394	CarSat1	red	na
chrUn	59031841	59032517	677	CarSat1	red	na
chrUn	59032582	59034434	1853	SAT1_CF	blue	na
chrUn	59034477	59034652	176	SAT1_CF	blue	na
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chrUn	59035304	59035816	513	SAT1_CF	blue	na
chrUn	59035844	59036640	797	SAT1_CF	blue	na
chrUn	59036654	59038172	1519	SAT1_CF	blue	na
chrUn	59038187	59039888	1702	SAT1_CF	blue	na
chrUn	59039878	59040592	715	CarSat1	red	na
chrUn	59040624	59040985	362	CarSat1	red	na
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chrUn	59045029	59048592	3564	CarSat1	red	na
chrUn	59048626	59049063	438	CarSat1	red	na
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chrUn	59049872	59051556	1685	CarSat1	red	na
chrUn	59053462	59056859	3398	CarSat1	red	na
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chrUn	59063198	59064425	1228	CarSat1	red	na
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chrUn	60880420	60881136	717	CarSat1	red	na
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chrUn	60882880	60883599	720	CarSat1	red	na
chrUn	60883615	60885024	1410	CarSat1	red	na
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chrUn	60927857	60928357	501	SAT1_CF	blue	na
chrUn	60928397	60931017	2621	SAT1_CF	blue	na
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chrUn	60937654	60938807	1154	SAT1_CF	blue	na
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chrUn	60940114	60941088	975	SAT1_CF	blue	na
chrUn	60941100	60942299	1200	SAT1_CF	blue	na
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chrUn	61160873	61164184	3312	CarSat1	red	na
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chrUn	61239988	61240601	614	SAT1_CF	blue	na
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chrUn	61341182	61342693	1512	CarSat1	red	na
chrUn	61379537	61380490	954	Sat2CF	purple	na
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chrUn	61407948	61408310	363 SAT1_CF	blue	na
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chrUn	61409931	61411068	1138 SAT1_CF	blue	na
chrUn	61411063	61411737	675 CarSat1	red	na
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chrUn	61413401	61413560	160 Carsat2	orange	na
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chrUn	61416371	61419041	2671 CarSat1	red	na
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chrUn	61420547	61423001	2455 CarSat1	red	na
chrUn	61423022	61423468	447 CarSat1	red	na
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chrUn	61426084	61428994	2911 CarSat1	red	na
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chrUn	61515979	61516440	462	SAT1_CF	blue	na
chrUn	61516483	61517158	676	SAT1_CF	blue	na
chrUn	61517170	61517774	605	SAT1_CF	blue	na
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chrUn	61612316	61612443	128	Carsat2	orange	na

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chrUn	61830451	61831387	937 CarSat1	red	na
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chrUn	61841494	61844199	2706 CarSat1	red	na
chrUn	61844241	61846132	1892 CarSat1	red	na
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chrUn	61848374	61849351	978 CarSat1	red	na

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chrUn	61850117	61851293	1177	CarSat1	red	na
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chrUn	61882446	61883129	684	SAT1_CF	blue	na
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chrUn	61886116	61886282	167	SAT1_CF	blue	na
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chrUn	61888808	61890163	1356	SAT1_CF	blue	na
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chrUn	61892308	61892632	325	SAT1_CF	blue	na
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chrUn	61894356	61894510	155	SAT1_CF	blue	na
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chrUn	61895737	61896329	593	SAT1_CF	blue	na
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chrUn	61913853	61915819	1967	CarSat1	red	na
chrUn	61915844	61916805	962	CarSat1	red	na
chrUn	61916832	61918375	1544	CarSat1	red	na
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chrUn	61974783	61975474	692	CarSat1	red	na
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chrUn	62218825	62219584	760	SAT1_CF	blue	na
chrUn	62219579	62220302	724	CarSat1	red	na
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chrUn	62225253	62225751	499	SAT1_CF	blue	na
chrUn	62225794	62226587	794	SAT1_CF	blue	na
chrUn	62226769	62226950	182	SAT1_CF	blue	na
chrUn	62226990	62227489	500	SAT1_CF	blue	na
chrUn	62227503	62228115	613	SAT1_CF	blue	na
chrUn	62228161	62228486	326	SAT1_CF	blue	na
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chrUn	62257853	62258306	454	CarSat1	red	na
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chrUn	62296833	62296959	127	Carsat2	orange	na

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chrUn	62304241	62305684	1444	CarSat1	red	na
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chrUn	62305714	62307158	1445	CarSat1	red	na
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chrUn	62307188	62307893	706	CarSat1	red	na
chrUn	62307909	62308034	126	Carsat2	orange	na
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chrUn	62308658	62309879	1222	CarSat1	red	na
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chrUn	62311598	62311704	107	Carsat2	orange	na
chrUn	62311613	62312320	708	CarSat1	red	na
chrUn	62312350	62313057	708	CarSat1	red	na
chrUn	62313072	62313198	127	Carsat2	orange	na
chrUn	62313087	62313844	758	CarSat1	red	na
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chrUn	62390415	62391136	722	CarSat1	red	na
chrUn	62391152	62391874	723	CarSat1	red	na
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chrUn	62392626	62394568	1943	CarSat1	red	na
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chrUn	62423098	62423260	163	Sat2CF	purple	na

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chrUn	62436186	62437782	1597 CarSat1	red	na
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chrUn	62440897	62441798	902 SAT1_CF	blue	na
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chrUn	62501561	62502080	520 SAT1_CF	blue	na
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chrUn	62511201	62512481	1281 SAT1_CF	blue	na
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chrUn	62514283	62514789	507 SAT1_CF	blue	na
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chrUn	63451332	63452037	706 SAT1_CF	blue	na
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chrUn	63527186	63528048	863	SAT1_CF	blue	na
chrUn	63528060	63528615	556	SAT1_CF	blue	na
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chrUn	63891551	63891708	158 SAT1_CF	blue	na
chrUn	63891723	63892762	1040 SAT1_CF	blue	na
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chrUn	64186060	64186787	728	CarSat1	red	na
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chrUn	64243962	64244922	961	CarSat1	red	na
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chrUn	64266740	64267695	956	CarSat1	red	na
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chrUn	64291934	64293379	1446	CarSat1	red	na
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chrUn	64304088	64305048	961	CarSat1	red	na
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chrUn	64338664	64340310	1647	CarSat1	red	na
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chrUn	64344989	64345711	723	CarSat1	red	na
chrUn	64345736	64347183	1448	CarSat1	red	na
chrUn	64347199	64347920	722	CarSat1	red	na
chrUn	64347936	64348642	707	CarSat1	red	na
chrUn	64348673	64349602	930	CarSat1	red	na
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chrUn	64349638	64351605	1968	CarSat1	red	na
chrUn	64351630	64352090	461	CarSat1	red	na
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chrUn	64361654	64362761	1108	Sat7CF	lime	na
chrUn	64388724	64390619	1896	CarSat1	red	na
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chrUn	64392361	64393072	712	CarSat1	red	na
chrUn	64393097	64393817	721	CarSat1	red	na
chrUn	64393842	64394761	920	CarSat1	red	na
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chrUn	64395307	64397252	1946	CarSat1	red	na

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chrUn	64441386	64442321	936 SAT1_CF	blue	na
chrUn	64442342	64443725	1384 SAT1_CF	blue	na
chrUn	64443764	64444067	304 SAT1_CF	blue	na
chrUn	64444079	64445519	1441 SAT1_CF	blue	na
chrUn	64445562	64446421	860 SAT1_CF	blue	na
chrUn	64446433	64447037	605 SAT1_CF	blue	na
chrUn	64447050	64447551	502 SAT1_CF	blue	na
chrUn	64448060	64449134	1075 SAT1_CF	blue	na
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chrUn	64552222	64552702	481	SAT1_CF	blue	na
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chrUn	64638850	64639961	1112 SAT1_CF	blue	na
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chrUn	64640890	64644097	3208 SAT1_CF	blue	na
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chrUn	64838691	64840133	1443	CarSat1	red	na
chrUn	64840163	64841881	1719	CarSat1	red	na
chrUn	64841902	64843087	1186	CarSat1	red	na
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chrUn	64843855	64844556	702	CarSat1	red	na
chrUn	64844593	64846738	2146	CarSat1	red	na
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chrUn	64871974	64873395	1422	SAT1_CF	blue	na
chrUn	64873460	64874687	1228	SAT1_CF	blue	na
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chrUn	64876537	64877867	1331	SAT1_CF	blue	na
chrUn	64877862	64878585	724	CarSat1	red	na
chrUn	64878617	64879039	423	CarSat1	red	na
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chrUn	64888081	64889275	1195 SAT1_CF	blue	na
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chrUn	64892420	64892538	119 SAT1_CF	blue	na
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chrUn	64980322	64980448	127 Carsat2	orange	na
chrUn	64980337	64981049	713 CarSat1	red	na
chrUn	64981079	64981566	488 CarSat1	red	na
chrUn	64981590	64982523	934 CarSat1	red	na
chrUn	64982538	64982664	127 Carsat2	orange	na
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chrUn	65099769	65101574	1806	CarSat1	red	na
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chrUn	65123306	65125507	2202	CarSat1	red	na
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chrUn	65137772	65138494	723 CarSat1	red	na
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chrUn	65219748	65222198	2451 CarSat1	red	na
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chrUn	65223437	65224410	974 CarSat1	red	na
chrUn	65224440	65224880	441 CarSat1	red	na
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chrUn	65797838	65797951	114	Carsat2	orange	na
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chrUn	65912927	65914625	1699	SAT1_CF	blue	na
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chrUn	65916229	65916615	387	SAT1_CF	blue	na
chrUn	65916618	65918325	1708	CarSat1	red	na
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chrUn	66086847	66088877	2031	SAT1_CF	blue	na
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chrUn	66089285	66090505	1221 SAT1_CF	blue	na
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chrUn	66094935	66096379	1445 SAT1_CF	blue	na
chrUn	66097989	66098625	637 SAT1_CF	blue	na
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chrUn	66220512	66221164	653 CarSat1	red	na
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chrUn	66255499	66257538	2040 SAT1_CF	blue	na
chrUn	66257559	66258686	1128 SAT1_CF	blue	na
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chrUn	66261019	66262192	1174 SAT1_CF	blue	na
chrUn	66262205	66264384	2180 SAT1_CF	blue	na
chrUn	66264441	66264943	503 SAT1_CF	blue	na
chrUn	66264956	66265028	73 SAT1_CF	blue	na
chrUn	66265085	66266247	1163 SAT1_CF	blue	na
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chrUn	66325077	66325531	455 SAT1_CF	blue	na
chrUn	66325571	66328369	2799 SAT1_CF	blue	na

chrUn	66328381	66328851	471 SAT1_CF	blue	na
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chrUn	66358097	66358564	468 CarSat1	red	na
chrUn	66358580	66359434	855 CarSat1	red	na
chrUn	66365593	66366820	1228 Sat153CF	na	na
chrUn	66379214	66380262	1049 CarSat1	red	na
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chrUn	66381761	66382218	458 CarSat1	red	na
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chrUn	66429917	66430768	852 SAT1_CF	blue	na
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chrUn	66432200	66432679	480 SAT1_CF	blue	na
chrUn	66432740	66434857	2118 SAT1_CF	blue	na
chrUn	66434945	66435492	548 SAT1_CF	blue	na
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chrUn	66436200	66436742	543 SAT1_CF	blue	na
chrUn	66436786	66437533	748 SAT1_CF	blue	na
chrUn	66437610	66438468	859 SAT1_CF	blue	na
chrUn	66438480	66439111	632 SAT1_CF	blue	na
chrUn	66439140	66439754	615 SAT1_CF	blue	na
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chrUn	66440207	66442273	2067 SAT1_CF	blue	na

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chrUn	66444816	66446268	1453	CarSat1	red	na
chrUn	66446295	66446735	441	CarSat1	red	na
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chrUn	66448751	66449469	719	CarSat1	red	na
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chrUn	66479082	66479123	42	HSATII	na	na
chrUn	66488102	66490408	2307	CarSat1	red	na
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chrUn	66568831	66569668	838	CarSat1	red	na
chrUn	66630729	66631775	1047	CarSat1	red	na
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chrUn	66643852	66646285	2434	CarSat1	red	na
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chrUn	66698083	66698804	722	CarSat1	red	na
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chrUn	66699810	66701015	1206	CarSat1	red	na

chrUn	66701031	66701994	964	CarSat1	red	na
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chrUn	66704230	66706168	1939	CarSat1	red	na
chrUn	66706185	66706896	712	CarSat1	red	na
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chrUn	66710429	66711076	648	CarSat1	red	na
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chrUn	66713900	66714413	514	SAT1_CF	blue	na
chrUn	66714458	66714615	158	SAT1_CF	blue	na
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chrUn	66715234	66715568	335	SAT1_CF	blue	na
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chrUn	66717616	66718297	682	SAT1_CF	blue	na
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chrUn	66730491	66732206	1716	CarSat1	red	na
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chrUn	66734930	66735492	563	CarSat1	red	na
chrUn	66735672	66735826	155	CarSat1	red	na
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chrUn	66801526	66801978	453	CarSat1	red	na
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chrUn	66814634	66816074	1441	CarSat1	red	na
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chrUn	66821257	66822486	1230	CarSat1	red	na
chrUn	66822502	66823660	1159	CarSat1	red	na
chrUn	66825157	66826324	1168	Sat2CF	purple	na
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chrUn	66839354	66839939	586	CarSat1	red	na
chrUn	66839966	66840677	712	CarSat1	red	na
chrUn	66840704	66842151	1448	CarSat1	red	na
chrUn	66842178	66842647	470	CarSat1	red	na
chrUn	66842663	66844123	1461	CarSat1	red	na
chrUn	66844139	66847799	3661	CarSat1	red	na
chrUn	66847824	66848542	719	CarSat1	red	na
chrUn	66848567	66850751	2185	CarSat1	red	na
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chrUn	66904384	66905377	994	CarSat1	red	na
chrUn	66905393	66906114	722	CarSat1	red	na

chrUn	66906132	66907642	1511	CarSat1	red	na
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chrUn	66908539	66909063	525	CarSat1	red	na
chrUn	66909463	66910645	1183	Sat2CF	purple	na
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chrUn	66933112	66934034	923	CarSat1	red	na
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chrUn	66938219	66939378	1160	CarSat1	red	na
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chrUn	66943253	66943974	722	CarSat1	red	na
chrUn	66943990	66944703	714	CarSat1	red	na
chrUn	66944728	66945450	723	CarSat1	red	na
chrUn	66945466	66947076	1611	CarSat1	red	na
chrUn	66963350	66963969	620	CarSat1	red	na
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chrUn	66974565	66975019	455	CarSat1	red	na
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chrUn	66985815	66986536	722	CarSat1	red	na
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chrUn	66993525	66994236	712	CarSat1	red	na
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chrUn	67007124	67008158	1035	CarSat1	red	na
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chrUn	67018027	67019007	981	CarSat1	red	na
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chrUn	67069783	67070490	708	CarSat1	red	na
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chrUn	67070520	67072711	2192	CarSat1	red	na
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chrUn	67073478	67075931	2454	CarSat1	red	na
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chrUn	67112790	67113230	441	Sat2CF	purple	na
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chrUn	67870635	67871511	877	CarSat1	red	na
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chrUn	67872276	67873255	980	CarSat1	red	na
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chrUn	67899103	67899229	127	Carsat2	orange	na
chrUn	67899118	67901297	2180	CarSat1	red	na
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chrUn	77082251	77082725	475	SAT1_CF	blue	na
chrUn	77082746	77083361	616	SAT1_CF	blue	na
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chrUn	80371472	80372292	821	CarSat1	red	na
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chrUn	82323234	82323627	394	CarSat1	red	na
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chrUn	82324998	82325578	581	CarSat1	red	na
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chrUn	82329278	82329404	127	Carsat2	orange	na
chrUn	82329293	82330514	1222	CarSat1	red	na
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chrUn	82334291	82337223	2933	CarSat1	red	na
chrUn	82337239	82338336	1098	CarSat1	red	na
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chrUn	82365939	82366918	980	CarSat1	red	na
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chrUn	82378422	82379010	589	SAT1_CF	blue	na
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chrUn	82383562	82383952	391	SAT1_CF	blue	na
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chrUn	82396606	82397802	1197	CarSat1	red	na
chrUn	82397829	82398290	462	CarSat1	red	na
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chrUn	82425557	82426832	1276	SAT1_CF	blue	na
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chrUn	82564656	82565209	554	SAT1_CF	blue	na
chrUn	82565278	82565835	558	SAT1_CF	blue	na
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chrUn	82918993	82919970	978 CarSat1	red	na
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chrUn	82937846	82938328	483 CarSat1	red	na
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chrUn	82942307	82943799	1493 CarSat1	red	na
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chrUn	82947610	82948322	713	CarSat1	red	na
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chrUn	82948352	82949058	707	CarSat1	red	na
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chrUn	82949826	82950755	930	CarSat1	red	na
chrUn	82958838	82959447	610	CarSat1	red	na
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chrX	120676905	120677584	680 Sat11CF	na	na
chrX	120792818	120793496	679 Sat11CF	na	na
chrX	120793985	120794257	273 Sat11CF	na	na
chrX	120826154	120826327	174 Sat11CF	na	na
chrX	120826167	120826836	670 Sat11CF	na	na
chrX	120826666	120826824	159 Sat11CF	na	na
chrX	120826880	120827049	170 Sat11CF	na	na
chrX	120831101	120831188	88 Sat11CF	na	na
chrX	120876493	120877045	553 Sat11CF	na	na
chrX	121024167	121024337	171 Sat11CF	na	na
chrX	121222496	121223174	679 Sat11CF	na	na
chrX	121223245	121223784	540 Sat11CF	na	na
chrX	121223836	121224077	242 Sat11CF	na	na
chrX	122313328	122313433	106 Sat80CF	na	na
chrX	122472164	122472272	109 SUBTEL_sa	na	na
chrX	122915227	122915984	758 Sat11CF	na	na
chrX	122924062	122924842	781 Sat11CF	na	na

chrX	122924882	122925681	800 Sat11CF	na	na
chrX	123081103	123081358	256 Sat11CF	na	na
chrX	123081828	123082612	785 Sat11CF	na	na
chrX	123081847	123082623	777 Sat11CF	na	na
chrX	123092133	123092761	629 Sat11CF	na	na
chrX	123093475	123093599	125 Sat11CF	na	na
chrX	123093717	123093837	121 Sat11CF	na	na
chrX	123686627	123686917	291 Sat11CF	na	na
chrX	123686969	123687716	748 Sat11CF	na	na
chrX	123687580	123687977	398 Sat11CF	na	na
chrX	123687792	123687974	183 Sat11CF	na	na
chrX	123695653	123695914	262 Sat11CF	na	na
chrX	123696574	123697264	691 Sat11CF	na	na
chrX	123696796	123697264	469 Sat11CF	na	na
chrX	123697345	123697796	452 Sat11CF	na	na
chrX	123829618	123829694	77 Sat38CF	na	na
chrX	124036351	124037214	864 Carsat3	green	na
chrX	124290800	124290962	163 Carsat3	green	na
chrX	124463149	124463177	29 SUBTEL_sa	na	na
chrX	125334433	125336307	1875 Sat31CF	na	na
chrX	125336933	125337032	100 Sat31CF	na	na
chrX	125337217	125339265	2049 Sat31CF	na	na
chrX	125391891	125394071	2181 Sat48CF	na	na
chrX	125394303	125394494	192 Sat48CF	na	na
chrX	125416209	125419669	3461 Sat31CF	na	na
chrX	125419547	125419860	314 Sat31CF	na	na
chrX	125459987	125461482	1496 Sat31CF	na	na
chrX	125493910	125494099	190 Sat48CF	na	na
chrX	125493985	125497649	3665 Sat31CF	na	na
chrX	125496353	125497800	1448 Sat48CF	na	na
chrX	125551388	125552002	615 Sat31CF	na	na
chrX	125594788	125595334	547 Sat7CF	lime	na
chrX	125930813	125931114	302 Sat176CF	na	na
chrX	125930845	125931127	283 Sat176CF	na	na
chrX	125931748	125932009	262 Sat176CF	na	na
chrX	126313974	126314156	183 Sat176CF	na	na
chrX	126823825	126823944	120 Sat2CF	purple	na
chrX	126823859	126824205	347 Sat2CF	purple	na
chrX	126823897	126824209	313 Sat2CF	purple	na
chrX	126880907	126882141	1235 SAT1_CF	blue	na
chrX	126882156	126883381	1226 SAT1_CF	blue	na
chrX	126883461	126883664	204 SAT1_CF	blue	na