

C:

Normal	High	Low	Shock	B	B3	B4	B5	B6
0.999992	2.541e-6	2.54104e-6	2.54104e-6	Absent	Absent	Absent	Absent	Absent
0.983146	0.00561798	0.00561798	0.00561798	Absent	Absent	Absent	Absent	Absent
0.985915	0.00469484	0.00469484	0.00469484	Absent	Absent	Absent	Absent	Absent
0.508701	0.138663	0.170828	0.181808	Absent	Absent	Absent	Absent	Absent
0.0263158	0.921053	0.0263158	0.0263158	Absent	Absent	Absent	Absent	Absent
0.511011	0.142907	0.156991	0.189092	Absent	Absent	Absent	Absent	Absent
0.510678	0.141893	0.16237	0.185058	Absent	Absent	Absent	Absent	Absent
0.364351	0.161242	0.209728	0.264679	Absent	Absent	Absent	Absent	Absent
0.986956	0.00434783	0.00434783	0.00434783	Absent	Absent	Absent	Absent	Absent
0.523286	0.13545	0.160652	0.180611	Absent	Absent	Absent	Absent	Absent
0.522946	0.134435	0.166083	0.176536	Absent	Absent	Absent	Absent	Absent
0.373103	0.156363	0.213544	0.256989	Absent	Absent	Absent	Absent	Absent
0.52532	0.138715	0.152098	0.183867	Absent	Absent	Absent	Absent	Absent
0.374797	0.160029	0.20157	0.263604	Absent	Absent	Absent	Absent	Absent
0.374554	0.159172	0.206333	0.259941	Absent	Absent	Absent	Absent	Absent
0.267231	0.162642	0.237881	0.332246	Absent	Absent	Absent	Absent	Absent
0.933333	0.0222222	0.0222222	0.0222222	Absent	Absent	Absent	Absent	Absent
0.0631279	0.59035	0.170491	0.176031	Absent	Absent	Absent	Absent	Absent
0.0630869	0.589047	0.175934	0.171933	Absent	Absent	Absent	Absent	Absent
0.0450103	0.48023	0.221924	0.252836	Absent	Absent	Absent	Absent	Absent
0.0633733	0.595361	0.161961	0.179305	Absent	Absent	Absent	Absent	Absent
0.0452146	0.485343	0.209955	0.259488	Absent	Absent	Absent	Absent	Absent
0.0451852	0.48428	0.21473	0.255805	Absent	Absent	Absent	Absent	Absent
0.0322381	0.394203	0.245045	0.328513	Absent	Absent	Absent	Absent	Absent
0.0648957	0.598694	0.165689	0.170722	Absent	Absent	Absent	Absent	Absent
0.0463008	0.488167	0.213789	0.251743	Absent	Absent	Absent	Absent	Absent
0.0462707	0.487097	0.218611	0.248022	Absent	Absent	Absent	Absent	Absent
0.0330125	0.396572	0.248925	0.321491	Absent	Absent	Absent	Absent	Absent
0.0464807	0.492286	0.206517	0.254716	Absent	Absent	Absent	Absent	Absent
0.0331624	0.40077	0.238536	0.327531	Absent	Absent	Absent	Absent	Absent
0.0331408	0.399899	0.242774	0.324187	Absent	Absent	Absent	Absent	Absent
0.0236448	0.325133	0.261007	0.390215	Absent	Absent	Absent	Absent	Absent
0.00322581	0.00322581	0.990323	0.00322581	Absent	Absent	Absent	Absent	Absent
0.0721992	0.0831086	0.65784	0.186853	Absent	Absent	Absent	Absent	Absent
0.0721523	0.0828359	0.662204	0.182808	Absent	Absent	Absent	Absent	Absent
0.0514781	0.0733523	0.612521	0.262649	Absent	Absent	Absent	Absent	Absent
0.0724799	0.0840772	0.653359	0.190083	Absent	Absent	Absent	Absent	Absent
0.0517118	0.0743822	0.604693	0.269213	Absent	Absent	Absent	Absent	Absent
0.0516782	0.0741563	0.608587	0.265579	Absent	Absent	Absent	Absent	Absent
0.0368706	0.0644789	0.561318	0.337332	Absent	Absent	Absent	Absent	Absent
0.074221	0.0834899	0.660676	0.181613	Absent	Absent	Absent	Absent	Absent
0.0529541	0.0740692	0.611406	0.261571	Absent	Absent	Absent	Absent	Absent
0.0529196	0.0738423	0.61534	0.257898	Absent	Absent	Absent	Absent	Absent
0.0377563	0.0643401	0.567501	0.330402	Absent	Absent	Absent	Absent	Absent
0.0531599	0.0748851	0.60745	0.264505	Absent	Absent	Absent	Absent	Absent
0.0379277	0.0652021	0.560507	0.336363	Absent	Absent	Absent	Absent	Absent
0.0379031	0.0650146	0.56402	0.333063	Absent	Absent	Absent	Absent	Absent
0.0270425	0.0558493	0.518885	0.398223	Absent	Absent	Absent	Absent	Absent
0.00895383	0.147498	0.666509	0.177039	Absent	Absent	Absent	Absent	Absent
0.00638824	0.119621	0.616548	0.257443	Absent	Absent	Absent	Absent	Absent
0.00638409	0.119366	0.6205	0.25375	Absent	Absent	Absent	Absent	Absent
0.00455482	0.0967266	0.572059	0.326659	Absent	Absent	Absent	Absent	Absent
0.00641308	0.12061	0.612584	0.260393	Absent	Absent	Absent	Absent	Absent
0.0045755	0.0977311	0.56504	0.332654	Absent	Absent	Absent	Absent	Absent
0.00457253	0.0975236	0.568569	0.329335	Absent	Absent	Absent	Absent	Absent
0.00326234	0.0789678	0.52291	0.394859	Absent	Absent	Absent	Absent	Absent
0.00656713	0.121392	0.619382	0.252658	Absent	Absent	Absent	Absent	Absent
0.00468542	0.0983752	0.571265	0.325675	Absent	Absent	Absent	Absent	Absent
0.00468237	0.0981662	0.574831	0.322321	Absent	Absent	Absent	Absent	Absent
0.00334071	0.0794954	0.528633	0.388531	Absent	Absent	Absent	Absent	Absent
0.00470363	0.099186	0.567756	0.328354	Absent	Absent	Absent	Absent	Absent
0.00335587	0.0803188	0.522351	0.393975	Absent	Absent	Absent	Absent	Absent

0.00335369	0.0801488	0.525537	0.39096	Absent	Absent	Absent	Absent	Absent
0.00239274	0.0648617	0.482281	0.450464	Absent	Absent	Absent	Absent	Absent
0.999727	9.09753e-5	9.09753e-5	9.09753e-5	Absent	Absent	Absent	Absent	Absent
0.508626	0.142633	0.174202	0.174539	Absent	Absent	Absent	Absent	Absent
0.508295	0.141624	0.179648	0.170434	Absent	Absent	Absent	Absent	Absent
0.362651	0.160806	0.22506	0.251483	Absent	Absent	Absent	Absent	Absent
0.510603	0.145895	0.165683	0.177819	Absent	Absent	Absent	Absent	Absent
0.364297	0.164458	0.213098	0.258147	Absent	Absent	Absent	Absent	Absent
0.36406	0.163607	0.217875	0.254457	Absent	Absent	Absent	Absent	Absent
0.259744	0.165249	0.247709	0.327298	Absent	Absent	Absent	Absent	Absent
0.522869	0.138467	0.169444	0.169221	Absent	Absent	Absent	Absent	Absent
0.373048	0.159604	0.216959	0.250389	Absent	Absent	Absent	Absent	Absent
0.372806	0.15875	0.221784	0.24666	Absent	Absent	Absent	Absent	Absent
0.265984	0.162142	0.251612	0.320262	Absent	Absent	Absent	Absent	Absent
0.374498	0.162438	0.209696	0.253367	Absent	Absent	Absent	Absent	Absent
0.267191	0.165267	0.241227	0.326314	Absent	Absent	Absent	Absent	Absent
0.267018	0.164551	0.245468	0.322963	Absent	Absent	Absent	Absent	Absent
0.190508	0.157086	0.263296	0.389111	Absent	Absent	Absent	Absent	Absent
0.0630775	0.592979	0.179366	0.164577	Absent	Absent	Absent	Absent	Absent
0.0450036	0.483397	0.225401	0.246199	Absent	Absent	Absent	Absent	Absent
0.0449743	0.482339	0.230237	0.24245	Absent	Absent	Absent	Absent	Absent
0.0320876	0.39262	0.258829	0.316463	Absent	Absent	Absent	Absent	Absent
0.0451785	0.487472	0.218156	0.249194	Absent	Absent	Absent	Absent	Absent
0.0322333	0.396774	0.248445	0.322548	Absent	Absent	Absent	Absent	Absent
0.0322123	0.395912	0.252697	0.319179	Absent	Absent	Absent	Absent	Absent
0.0229824	0.321837	0.269485	0.385696	Absent	Absent	Absent	Absent	Absent
0.0462638	0.490312	0.222082	0.241342	Absent	Absent	Absent	Absent	Absent
0.0330076	0.399161	0.252368	0.315464	Absent	Absent	Absent	Absent	Absent
0.0329861	0.398293	0.256662	0.312059	Absent	Absent	Absent	Absent	Absent
0.0235345	0.323826	0.273368	0.379272	Absent	Absent	Absent	Absent	Absent
0.0331359	0.402509	0.246172	0.318183	Absent	Absent	Absent	Absent	Absent
0.0236413	0.327235	0.264326	0.384798	Absent	Absent	Absent	Absent	Absent
0.0236259	0.326528	0.268108	0.381738	Absent	Absent	Absent	Absent	Absent
0.0168563	0.265165	0.275836	0.442143	Absent	Absent	Absent	Absent	Absent
0.0721416	0.0837791	0.66853	0.175549	Absent	Absent	Absent	Absent	Absent
0.0514705	0.0741109	0.61832	0.256099	Absent	Absent	Absent	Absent	Absent
0.051437	0.073886	0.622278	0.252399	Absent	Absent	Absent	Absent	Absent
0.0366985	0.064239	0.573622	0.32544	Absent	Absent	Absent	Absent	Absent
0.0516706	0.074921	0.614354	0.259054	Absent	Absent	Absent	Absent	Absent
0.0368651	0.0650941	0.566595	0.331446	Absent	Absent	Absent	Absent	Absent
0.0368412	0.0649082	0.57013	0.32812	Absent	Absent	Absent	Absent	Absent
0.0262849	0.055666	0.524285	0.393764	Absent	Absent	Absent	Absent	Absent
0.0529118	0.0746127	0.62117	0.251306	Absent	Absent	Absent	Absent	Absent
0.0377507	0.0649599	0.572835	0.324454	Absent	Absent	Absent	Absent	Absent
0.0377262	0.0647731	0.576407	0.321094	Absent	Absent	Absent	Absent	Absent
0.0269163	0.0556386	0.530021	0.387424	Absent	Absent	Absent	Absent	Absent
0.0378974	0.0656393	0.569325	0.327138	Absent	Absent	Absent	Absent	Absent
0.0270385	0.056352	0.523732	0.392877	Absent	Absent	Absent	Absent	Absent
0.0270209	0.056198	0.526923	0.389858	Absent	Absent	Absent	Absent	Absent
0.0192785	0.0477476	0.483505	0.449469	Absent	Absent	Absent	Absent	Absent
0.00638315	0.120123	0.626373	0.247121	Absent	Absent	Absent	Absent	Absent
0.00455415	0.0973366	0.577431	0.320678	Absent	Absent	Absent	Absent	Absent
0.00455119	0.0971299	0.58102	0.317299	Absent	Absent	Absent	Absent	Absent
0.00324711	0.0786487	0.534104	0.384	Absent	Absent	Absent	Absent	Absent
0.00457185	0.0981385	0.573913	0.323377	Absent	Absent	Absent	Absent	Absent
0.00326186	0.079463	0.527791	0.389484	Absent	Absent	Absent	Absent	Absent
0.00325973	0.0792949	0.530998	0.386447	Absent	Absent	Absent	Absent	Absent
0.00232571	0.0641653	0.487117	0.446392	Absent	Absent	Absent	Absent	Absent
0.00468168	0.0987856	0.580232	0.316301	Absent	Absent	Absent	Absent	Absent
0.00334021	0.0799943	0.533566	0.383099	Absent	Absent	Absent	Absent	Absent
0.00333804	0.079825	0.536806	0.380031	Absent	Absent	Absent	Absent	Absent
0.00238157	0.0645995	0.492417	0.440602	Absent	Absent	Absent	Absent	Absent
0.0033532	0.0806516	0.530445	0.38555	Absent	Absent	Absent	Absent	Absent
0.00239239	0.0652667	0.486759	0.445583	Absent	Absent	Absent	Absent	Absent
0.00239083	0.065129	0.489655	0.442825	Absent	Absent	Absent	Absent	Absent

0.00170577	0.052676	0.448357	0.497262	Absent	Absent	Absent	Absent	Absent
0.999644	1.1854e-4	1.1854e-4	1.1854e-4	Absent	Absent	Absent	Absent	Absent
0.510848	0.136468	0.169327	0.183358	Absent	Absent	Absent	Absent	Absent
0.510516	0.135468	0.17472	0.179296	Absent	Absent	Absent	Absent	Absent
0.364235	0.156052	0.220233	0.25948	Absent	Absent	Absent	Absent	Absent
0.512833	0.139689	0.160875	0.186603	Absent	Absent	Absent	Absent	Absent
0.365888	0.159665	0.208374	0.266072	Absent	Absent	Absent	Absent	Absent
0.365651	0.158822	0.213106	0.262422	Absent	Absent	Absent	Absent	Absent
0.260879	0.161541	0.243096	0.334484	Absent	Absent	Absent	Absent	Absent
0.525153	0.132179	0.164573	0.178096	Absent	Absent	Absent	Absent	Absent
0.374678	0.154749	0.212176	0.258397	Absent	Absent	Absent	Absent	Absent
0.374434	0.153903	0.216954	0.254708	Absent	Absent	Absent	Absent	Absent
0.267146	0.158387	0.246943	0.327524	Absent	Absent	Absent	Absent	Absent
0.376134	0.157551	0.204971	0.261344	Absent	Absent	Absent	Absent	Absent
0.268359	0.161482	0.236649	0.333511	Absent	Absent	Absent	Absent	Absent
0.268184	0.160772	0.240848	0.330196	Absent	Absent	Absent	Absent	Absent
0.19134	0.154149	0.258874	0.395637	Absent	Absent	Absent	Absent	Absent
0.0633531	0.588731	0.174414	0.173502	Absent	Absent	Absent	Absent	Absent
0.0452002	0.480001	0.220547	0.254252	Absent	Absent	Absent	Absent	Absent
0.0451708	0.478949	0.225337	0.250543	Absent	Absent	Absent	Absent	Absent
0.0322278	0.389908	0.254098	0.323765	Absent	Absent	Absent	Absent	Absent
0.0453759	0.484049	0.21336	0.257215	Absent	Absent	Absent	Absent	Absent
0.0323741	0.394035	0.243805	0.329786	Absent	Absent	Absent	Absent	Absent
0.0323531	0.393179	0.248016	0.326452	Absent	Absent	Absent	Absent	Absent
0.0230828	0.319648	0.26501	0.392259	Absent	Absent	Absent	Absent	Absent
0.0464659	0.486861	0.217226	0.249447	Absent	Absent	Absent	Absent	Absent
0.0331518	0.3964	0.247672	0.322776	Absent	Absent	Absent	Absent	Absent
0.0331303	0.395538	0.251924	0.319408	Absent	Absent	Absent	Absent	Absent
0.0236373	0.32162	0.26884	0.385903	Absent	Absent	Absent	Absent	Absent
0.0332807	0.399726	0.241526	0.325467	Absent	Absent	Absent	Absent	Absent
0.0237446	0.325007	0.259878	0.39137	Absent	Absent	Absent	Absent	Absent
0.0237291	0.324305	0.263623	0.388343	Absent	Absent	Absent	Absent	Absent
0.0169299	0.263383	0.271584	0.448102	Absent	Absent	Absent	Absent	Absent
0.0724567	0.0825198	0.660667	0.184357	Absent	Absent	Absent	Absent	Absent
0.0516953	0.0731257	0.611133	0.264046	Absent	Absent	Absent	Absent	Absent
0.0516617	0.0729024	0.61505	0.260386	Absent	Absent	Absent	Absent	Absent
0.0368588	0.0634675	0.567027	0.332647	Absent	Absent	Absent	Absent	Absent
0.0518963	0.0739287	0.607205	0.26697	Absent	Absent	Absent	Absent	Absent
0.0370262	0.0643157	0.56007	0.338588	Absent	Absent	Absent	Absent	Absent
0.0370021	0.0641312	0.563568	0.335298	Absent	Absent	Absent	Absent	Absent
0.0263997	0.055055	0.518305	0.400241	Absent	Absent	Absent	Absent	Absent
0.0531429	0.0736094	0.613944	0.259304	Absent	Absent	Absent	Absent	Absent
0.0379156	0.0641731	0.56624	0.331671	Absent	Absent	Absent	Absent	Absent
0.037891	0.0639877	0.569775	0.328347	Absent	Absent	Absent	Absent	Absent
0.0270339	0.0550211	0.523977	0.393968	Absent	Absent	Absent	Absent	Absent
0.038063	0.0648469	0.562764	0.334326	Absent	Absent	Absent	Absent	Absent
0.0271566	0.0557289	0.517751	0.399363	Absent	Absent	Absent	Absent	Absent
0.027139	0.055576	0.520909	0.396376	Absent	Absent	Absent	Absent	Absent
0.0193627	0.0472575	0.478029	0.455351	Absent	Absent	Absent	Absent	Absent
0.00641103	0.119329	0.619096	0.255164	Absent	Absent	Absent	Absent	Absent
0.00457404	0.0966998	0.570791	0.327935	Absent	Absent	Absent	Absent	Absent
0.00457107	0.0964943	0.574342	0.324593	Absent	Absent	Absent	Absent	Absent
0.0032613	0.0781387	0.528019	0.390581	Absent	Absent	Absent	Absent	Absent
0.00459182	0.0974966	0.567306	0.330605	Absent	Absent	Absent	Absent	Absent
0.0032761	0.0789478	0.52177	0.396006	Absent	Absent	Absent	Absent	Absent
0.00327397	0.0787807	0.524943	0.393002	Absent	Absent	Absent	Absent	Absent
0.00233587	0.0637525	0.481605	0.452306	Absent	Absent	Absent	Absent	Absent
0.00470213	0.0981387	0.573554	0.323605	Absent	Absent	Absent	Absent	Absent
0.0033548	0.0794751	0.527481	0.389689	Absent	Absent	Absent	Absent	Absent
0.00335262	0.0793068	0.530687	0.386654	Absent	Absent	Absent	Absent	Absent
0.00239198	0.0641835	0.486846	0.446579	Absent	Absent	Absent	Absent	Absent
0.00336784	0.0801283	0.52439	0.392114	Absent	Absent	Absent	Absent	Absent
0.00240284	0.0648465	0.481245	0.451506	Absent	Absent	Absent	Absent	Absent
0.00240128	0.0647097	0.484112	0.448777	Absent	Absent	Absent	Absent	Absent
0.00171323	0.0523392	0.443315	0.502632	Absent	Absent	Absent	Absent	Absent

0.51044	0.13943	0.178125	0.172006	Absent	Absent	Absent	Absent	Absent
0.364181	0.159237	0.223681	0.252902	Absent	Absent	Absent	Absent	Absent
0.363944	0.158396	0.228474	0.249186	Absent	Absent	Absent	Absent	Absent
0.259661	0.161041	0.256756	0.322541	Absent	Absent	Absent	Absent	Absent
0.365597	0.162031	0.216503	0.25587	Absent	Absent	Absent	Absent	Absent
0.26084	0.164121	0.246467	0.328572	Absent	Absent	Absent	Absent	Absent
0.260671	0.163416	0.250681	0.325233	Absent	Absent	Absent	Absent	Absent
0.185979	0.155588	0.267274	0.391158	Absent	Absent	Absent	Absent	Absent
0.374379	0.157137	0.220396	0.248088	Absent	Absent	Absent	Absent	Absent
0.267106	0.160987	0.250356	0.32155	Absent	Absent	Absent	Absent	Absent
0.266932	0.160279	0.254612	0.318176	Absent	Absent	Absent	Absent	Absent
0.190447	0.153638	0.271124	0.384791	Absent	Absent	Absent	Absent	Absent
0.268144	0.163392	0.244218	0.324246	Absent	Absent	Absent	Absent	Absent
0.191312	0.156256	0.262164	0.390268	Absent	Absent	Absent	Absent	Absent
0.191187	0.155665	0.265912	0.387235	Absent	Absent	Absent	Absent	Absent
0.136405	0.142956	0.273535	0.447103	Absent	Absent	Absent	Absent	Absent
0.0451641	0.482109	0.228842	0.243885	Absent	Absent	Absent	Absent	Absent
0.032223	0.392453	0.257566	0.317758	Absent	Absent	Absent	Absent	Absent
0.0322021	0.3916	0.261833	0.314365	Absent	Absent	Absent	Absent	Absent
0.022975	0.318363	0.27731	0.381352	Absent	Absent	Absent	Absent	Absent
0.0323483	0.395743	0.251439	0.320469	Absent	Absent	Absent	Absent	Absent
0.0230794	0.321714	0.268347	0.38686	Absent	Absent	Absent	Absent	Absent
0.0230643	0.321019	0.272106	0.38381	Absent	Absent	Absent	Absent	Absent
0.0164556	0.260676	0.278856	0.444013	Absent	Absent	Absent	Absent	Absent
0.0331253	0.398121	0.255391	0.313362	Absent	Absent	Absent	Absent	Absent
0.0236338	0.3237	0.272218	0.380448	Absent	Absent	Absent	Absent	Absent
0.0236184	0.323001	0.276014	0.377366	Absent	Absent	Absent	Absent	Absent
0.0168509	0.262323	0.282628	0.438198	Absent	Absent	Absent	Absent	Absent
0.0237256	0.326402	0.266963	0.382909	Absent	Absent	Absent	Absent	Absent
0.0169274	0.265072	0.274801	0.4432	Absent	Absent	Absent	Absent	Absent
0.0169164	0.264503	0.27815	0.44043	Absent	Absent	Absent	Absent	Absent
0.0120693	0.214591	0.278239	0.495101	Absent	Absent	Absent	Absent	Absent
0.0516541	0.0736595	0.620871	0.253815	Absent	Absent	Absent	Absent	Absent
0.0368534	0.0640765	0.572352	0.326719	Absent	Absent	Absent	Absent	Absent
0.0368294	0.0638928	0.575908	0.32337	Absent	Absent	Absent	Absent	Absent
0.0262765	0.0548471	0.529399	0.389477	Absent	Absent	Absent	Absent	Absent
0.0369966	0.0647451	0.568865	0.329394	Absent	Absent	Absent	Absent	Absent
0.0263958	0.0555489	0.523143	0.394913	Absent	Absent	Absent	Absent	Absent
0.0263786	0.0553974	0.526321	0.391903	Absent	Absent	Absent	Absent	Absent
0.0188202	0.0470437	0.482821	0.451315	Absent	Absent	Absent	Absent	Absent
0.0378854	0.0646062	0.575128	0.32238	Absent	Absent	Absent	Absent	Absent
0.0270299	0.0555188	0.528867	0.388585	Absent	Absent	Absent	Absent	Absent
0.0270123	0.0553664	0.532078	0.385544	Absent	Absent	Absent	Absent	Absent
0.0192723	0.0470771	0.488074	0.445577	Absent	Absent	Absent	Absent	Absent
0.0271349	0.0560777	0.525774	0.391014	Absent	Absent	Absent	Absent	Absent
0.0193598	0.0476612	0.482466	0.450512	Absent	Absent	Absent	Absent	Absent
0.0193472	0.0475358	0.485337	0.44778	Absent	Absent	Absent	Absent	Absent
0.0138036	0.0400653	0.444399	0.501732	Absent	Absent	Absent	Absent	Absent
0.00457039	0.0971031	0.579734	0.318593	Absent	Absent	Absent	Absent	Absent
0.00326082	0.0786289	0.532943	0.385167	Absent	Absent	Absent	Absent	Absent
0.0032587	0.0784625	0.53617	0.382109	Absent	Absent	Absent	Absent	Absent
0.00232496	0.0634948	0.491703	0.442478	Absent	Absent	Absent	Absent	Absent
0.00327349	0.0792749	0.529842	0.38761	Absent	Absent	Absent	Absent	Absent
0.00233552	0.0641505	0.486073	0.447441	Absent	Absent	Absent	Absent	Absent
0.002334	0.0640152	0.488958	0.444693	Absent	Absent	Absent	Absent	Absent
0.00166523	0.0517736	0.447614	0.498947	Absent	Absent	Absent	Absent	Absent
0.00335213	0.0798046	0.535638	0.381205	Absent	Absent	Absent	Absent	Absent
0.00239162	0.0645844	0.491362	0.441662	Absent	Absent	Absent	Absent	Absent
0.00239007	0.0644481	0.494276	0.438885	Absent	Absent	Absent	Absent	Absent
0.00170523	0.0521275	0.45246	0.493707	Absent	Absent	Absent	Absent	Absent
0.00240092	0.0651138	0.488604	0.443881	Absent	Absent	Absent	Absent	Absent
0.00171297	0.0526646	0.447408	0.498214	Absent	Absent	Absent	Absent	Absent
0.00171186	0.0525539	0.450016	0.495719	Absent	Absent	Absent	Absent	Absent
0.00122135	0.0424853	0.411306	0.544987	Absent	Absent	Absent	Absent	Absent
0.999742	8.59845e-5	8.59845e-5	8.59845e-5	Absent	Absent	Absent	Absent	Present

0.504914	0.148552	0.171389	0.175145	Absent	Absent	Absent	Absent	Present
0.504585	0.147535	0.176837	0.171043	Absent	Absent	Absent	Absent	Present
0.360004	0.165226	0.222737	0.252033	Absent	Absent	Absent	Absent	Present
0.506876	0.151845	0.162856	0.178423	Absent	Absent	Absent	Absent	Present
0.361638	0.168908	0.210762	0.258692	Absent	Absent	Absent	Absent	Present
0.361403	0.168052	0.21554	0.255005	Absent	Absent	Absent	Absent	Present
0.257848	0.168584	0.245776	0.327792	Absent	Absent	Absent	Absent	Present
0.519052	0.144524	0.166593	0.169831	Absent	Absent	Absent	Absent	Present
0.370326	0.164131	0.214604	0.250939	Absent	Absent	Absent	Absent	Present
0.370085	0.163272	0.21943	0.247214	Absent	Absent	Absent	Absent	Present
0.264042	0.165533	0.249663	0.320762	Absent	Absent	Absent	Absent	Present
0.371765	0.166991	0.207329	0.253915	Absent	Absent	Absent	Absent	Present
0.265241	0.168683	0.239267	0.326809	Absent	Absent	Absent	Absent	Present
0.265069	0.167962	0.243509	0.32346	Absent	Absent	Absent	Absent	Present
0.189117	0.159654	0.26167	0.389559	Absent	Absent	Absent	Absent	Present
0.0626172	0.595662	0.17653	0.16519	Absent	Absent	Absent	Absent	Present
0.0446751	0.485515	0.223057	0.246752	Absent	Absent	Absent	Absent	Present
0.0446461	0.484453	0.227895	0.243006	Absent	Absent	Absent	Absent	Present
0.0318534	0.394293	0.256889	0.316965	Absent	Absent	Absent	Absent	Present
0.0448488	0.489606	0.2158	0.249745	Absent	Absent	Absent	Absent	Present
0.031998	0.398462	0.246494	0.323046	Absent	Absent	Absent	Absent	Present
0.0319772	0.397597	0.250747	0.319679	Absent	Absent	Absent	Absent	Present
0.0228146	0.323173	0.267866	0.386147	Absent	Absent	Absent	Absent	Present
0.0459262	0.492468	0.219707	0.241899	Absent	Absent	Absent	Absent	Present
0.0327667	0.400866	0.250401	0.315966	Absent	Absent	Absent	Absent	Present
0.0327454	0.399995	0.254696	0.312564	Absent	Absent	Absent	Absent	Present
0.0233627	0.325174	0.271736	0.379727	Absent	Absent	Absent	Absent	Present
0.0328941	0.404227	0.244196	0.318684	Absent	Absent	Absent	Absent	Present
0.0234688	0.328596	0.262686	0.385249	Absent	Absent	Absent	Absent	Present
0.0234535	0.327887	0.266468	0.382192	Absent	Absent	Absent	Absent	Present
0.0167332	0.266243	0.274471	0.442552	Absent	Absent	Absent	Absent	Present
0.0716151	0.0848338	0.667397	0.176154	Absent	Absent	Absent	Absent	Present
0.0510948	0.074912	0.617348	0.256645	Absent	Absent	Absent	Absent	Present
0.0510616	0.0746859	0.621305	0.252948	Absent	Absent	Absent	Absent	Present
0.0364307	0.0648488	0.572785	0.325936	Absent	Absent	Absent	Absent	Present
0.0512934	0.0757269	0.613381	0.259598	Absent	Absent	Absent	Absent	Present
0.0365961	0.0657085	0.565759	0.331937	Absent	Absent	Absent	Absent	Present
0.0365723	0.0655218	0.569292	0.328614	Absent	Absent	Absent	Absent	Present
0.026093	0.0561354	0.523562	0.394209	Absent	Absent	Absent	Absent	Present
0.0525256	0.0754309	0.620188	0.251855	Absent	Absent	Absent	Absent	Present
0.0374752	0.0655834	0.571991	0.32495	Absent	Absent	Absent	Absent	Present
0.0374508	0.0653957	0.575561	0.321593	Absent	Absent	Absent	Absent	Present
0.0267198	0.0561146	0.529292	0.387874	Absent	Absent	Absent	Absent	Present
0.0376208	0.0662667	0.56848	0.327632	Absent	Absent	Absent	Absent	Present
0.0268412	0.0568318	0.523004	0.393323	Absent	Absent	Absent	Absent	Present
0.0268237	0.0566771	0.526193	0.390306	Absent	Absent	Absent	Absent	Present
0.0191378	0.0481153	0.482873	0.449874	Absent	Absent	Absent	Absent	Present
0.00633656	0.120599	0.625391	0.247673	Absent	Absent	Absent	Absent	Present
0.00452091	0.097715	0.576587	0.321177	Absent	Absent	Absent	Absent	Present
0.00451797	0.0975076	0.580174	0.3178	Absent	Absent	Absent	Absent	Present
0.00322341	0.0789499	0.533375	0.384452	Absent	Absent	Absent	Absent	Present
0.00453848	0.0985198	0.573068	0.323874	Absent	Absent	Absent	Absent	Present
0.00323805	0.079767	0.527063	0.389932	Absent	Absent	Absent	Absent	Present
0.00323594	0.0795983	0.530268	0.386898	Absent	Absent	Absent	Absent	Present
0.00230873	0.0644075	0.486485	0.446799	Absent	Absent	Absent	Absent	Present
0.00464751	0.0991703	0.579379	0.316803	Absent	Absent	Absent	Absent	Present
0.00331583	0.080301	0.532831	0.383552	Absent	Absent	Absent	Absent	Present
0.00331368	0.080131	0.536069	0.380486	Absent	Absent	Absent	Absent	Present
0.00236419	0.0648438	0.491779	0.441013	Absent	Absent	Absent	Absent	Present
0.00332872	0.0809607	0.529709	0.386001	Absent	Absent	Absent	Absent	Present
0.00237493	0.0655133	0.486122	0.44599	Absent	Absent	Absent	Absent	Present
0.00237338	0.0653751	0.489017	0.443234	Absent	Absent	Absent	Absent	Present
0.00169332	0.0528726	0.447803	0.497631	Absent	Absent	Absent	Absent	Present
0.504511	0.151533	0.180277	0.163679	Absent	Absent	Absent	Absent	Present
0.359951	0.168439	0.226222	0.245388	Absent	Absent	Absent	Absent	Present

0.359716	0.167586	0.231062	0.241635	Absent	Absent	Absent	Absent	Present
0.256645	0.168054	0.259572	0.315728	Absent	Absent	Absent	Absent	Present
0.36135	0.171291	0.218973	0.248387	Absent	Absent	Absent	Absent	Present
0.25781	0.171188	0.249181	0.32182	Absent	Absent	Absent	Absent	Present
0.257643	0.170473	0.253437	0.318447	Absent	Absent	Absent	Absent	Present
0.183819	0.160993	0.270152	0.385036	Absent	Absent	Absent	Absent	Present
0.37003	0.166535	0.222908	0.240526	Absent	Absent	Absent	Absent	Present
0.264003	0.168157	0.253112	0.314728	Absent	Absent	Absent	Absent	Present
0.263832	0.167439	0.25741	0.31132	Absent	Absent	Absent	Absent	Present
0.188235	0.159119	0.274042	0.378604	Absent	Absent	Absent	Absent	Present
0.26503	0.170606	0.246913	0.317451	Absent	Absent	Absent	Absent	Present
0.189089	0.16178	0.264994	0.384136	Absent	Absent	Absent	Absent	Present
0.188966	0.161181	0.268779	0.381073	Absent	Absent	Absent	Absent	Present
0.134821	0.147195	0.276442	0.441543	Absent	Absent	Absent	Absent	Present
0.0446395	0.487643	0.231436	0.236281	Absent	Absent	Absent	Absent	Present
0.0318487	0.396862	0.260392	0.310897	Absent	Absent	Absent	Absent	Present
0.031828	0.396	0.264702	0.30747	Absent	Absent	Absent	Absent	Present
0.0227081	0.321873	0.280288	0.375131	Absent	Absent	Absent	Absent	Present
0.0319725	0.400186	0.254206	0.313635	Absent	Absent	Absent	Absent	Present
0.0228113	0.325258	0.271237	0.380694	Absent	Absent	Absent	Absent	Present
0.0227964	0.324556	0.275034	0.377614	Absent	Absent	Absent	Absent	Present
0.0162644	0.2635	0.281814	0.438421	Absent	Absent	Absent	Absent	Present
0.0327406	0.402603	0.258199	0.306457	Absent	Absent	Absent	Absent	Present
0.0233592	0.327275	0.275149	0.374217	Absent	Absent	Absent	Absent	Present
0.023344	0.326568	0.278983	0.371105	Absent	Absent	Absent	Absent	Present
0.0166552	0.265171	0.285625	0.432549	Absent	Absent	Absent	Absent	Present
0.02345	0.330004	0.269842	0.376704	Absent	Absent	Absent	Absent	Present
0.0167308	0.267948	0.277721	0.4376	Absent	Absent	Absent	Absent	Present
0.0167199	0.267373	0.281104	0.434803	Absent	Absent	Absent	Absent	Present
0.0119291	0.216885	0.281163	0.490023	Absent	Absent	Absent	Absent	Present
0.0510541	0.07545	0.627185	0.246312	Absent	Absent	Absent	Absent	Present
0.0364253	0.0654635	0.578164	0.319948	Absent	Absent	Absent	Absent	Present
0.0364016	0.0652775	0.581756	0.316565	Absent	Absent	Absent	Absent	Present
0.0259713	0.055923	0.534768	0.383338	Absent	Absent	Absent	Absent	Present
0.0365668	0.0661414	0.574642	0.32265	Absent	Absent	Absent	Absent	Present
0.0260892	0.056634	0.528449	0.388828	Absent	Absent	Absent	Absent	Present
0.0260722	0.0564807	0.531659	0.385788	Absent	Absent	Absent	Absent	Present
0.0186016	0.0478881	0.487713	0.445797	Absent	Absent	Absent	Absent	Present
0.0374453	0.06602	0.580969	0.315566	Absent	Absent	Absent	Absent	Present
0.0267159	0.056617	0.534231	0.382436	Absent	Absent	Absent	Absent	Present
0.0266985	0.0564628	0.537474	0.379364	Absent	Absent	Absent	Absent	Present
0.0190485	0.0479313	0.493019	0.440001	Absent	Absent	Absent	Absent	Present
0.0268197	0.0571834	0.531107	0.38489	Absent	Absent	Absent	Absent	Present
0.0191349	0.0485228	0.487356	0.444987	Absent	Absent	Absent	Absent	Present
0.0191225	0.048396	0.490255	0.442226	Absent	Absent	Absent	Absent	Present
0.0136432	0.0407374	0.448898	0.496721	Absent	Absent	Absent	Absent	Present
0.0045173	0.0981221	0.58562	0.31174	Absent	Absent	Absent	Absent	Present
0.00322294	0.0794447	0.538348	0.378984	Absent	Absent	Absent	Absent	Present
0.00322084	0.0792767	0.541607	0.375895	Absent	Absent	Absent	Absent	Present
0.00229796	0.0641471	0.496684	0.436871	Absent	Absent	Absent	Absent	Present
0.00323546	0.0800971	0.535216	0.381451	Absent	Absent	Absent	Absent	Present
0.00230839	0.0648092	0.490998	0.441884	Absent	Absent	Absent	Absent	Present
0.00230689	0.0646726	0.493912	0.439108	Absent	Absent	Absent	Absent	Present
0.00164588	0.0523007	0.452145	0.493908	Absent	Absent	Absent	Absent	Present
0.00331319	0.0806336	0.541071	0.374983	Absent	Absent	Absent	Absent	Present
0.00236384	0.0652485	0.49634	0.436048	Absent	Absent	Absent	Absent	Present
0.00236231	0.0651108	0.499284	0.433243	Absent	Absent	Absent	Absent	Present
0.00168542	0.0526587	0.45704	0.488616	Absent	Absent	Absent	Absent	Present
0.00237303	0.0657831	0.493556	0.438288	Absent	Absent	Absent	Absent	Present
0.00169307	0.0532012	0.451938	0.493168	Absent	Absent	Absent	Absent	Present
0.00169197	0.0530893	0.454571	0.490647	Absent	Absent	Absent	Absent	Present
0.00120716	0.0429147	0.415466	0.540412	Absent	Absent	Absent	Absent	Present
0.506715	0.145357	0.175315	0.172614	Absent	Absent	Absent	Absent	Present
0.361523	0.163668	0.221359	0.25345	Absent	Absent	Absent	Absent	Present
0.361288	0.162822	0.226153	0.249737	Absent	Absent	Absent	Absent	Present

0.257766	0.164362	0.254834	0.323039	Absent	Absent	Absent	Absent	Present
0.362928	0.166487	0.214169	0.256416	Absent	Absent	Absent	Absent	Present
0.258936	0.167464	0.244534	0.329065	Absent	Absent	Absent	Absent	Present
0.258768	0.166755	0.248748	0.325728	Absent	Absent	Absent	Absent	Present
0.184622	0.158102	0.26567	0.391605	Absent	Absent	Absent	Absent	Present
0.371647	0.16167	0.218043	0.24864	Absent	Absent	Absent	Absent	Present
0.265157	0.164386	0.248408	0.322049	Absent	Absent	Absent	Absent	Present
0.264984	0.163675	0.252664	0.318677	Absent	Absent	Absent	Absent	Present
0.189057	0.156193	0.269507	0.385243	Absent	Absent	Absent	Absent	Present
0.266187	0.166811	0.242259	0.324742	Absent	Absent	Absent	Absent	Present
0.189915	0.15883	0.260539	0.390716	Absent	Absent	Absent	Absent	Present
0.189792	0.158235	0.264287	0.387685	Absent	Absent	Absent	Absent	Present
0.13541	0.144898	0.272183	0.447509	Absent	Absent	Absent	Absent	Present
0.0448345	0.484225	0.2265	0.24444	Absent	Absent	Absent	Absent	Present
0.0319878	0.394127	0.255626	0.318259	Absent	Absent	Absent	Absent	Present
0.031967	0.39327	0.259894	0.314868	Absent	Absent	Absent	Absent	Present
0.0228074	0.319687	0.275699	0.381807	Absent	Absent	Absent	Absent	Present
0.0321122	0.39743	0.24949	0.320968	Absent	Absent	Absent	Absent	Present
0.0229109	0.32305	0.266729	0.38731	Absent	Absent	Absent	Absent	Present
0.022896	0.322353	0.270488	0.384263	Absent	Absent	Absent	Absent	Present
0.0163355	0.261735	0.277509	0.444421	Absent	Absent	Absent	Absent	Present
0.0328836	0.399824	0.253426	0.313867	Absent	Absent	Absent	Absent	Present
0.0234613	0.325049	0.270587	0.380903	Absent	Absent	Absent	Absent	Present
0.023446	0.324348	0.274383	0.377823	Absent	Absent	Absent	Absent	Present
0.0167279	0.263392	0.28127	0.438611	Absent	Absent	Absent	Absent	Present
0.0235525	0.327762	0.265323	0.383362	Absent	Absent	Absent	Absent	Present
0.0168039	0.266151	0.273436	0.443609	Absent	Absent	Absent	Absent	Present
0.0167929	0.26558	0.276786	0.440841	Absent	Absent	Absent	Absent	Present
0.0119812	0.215447	0.2771	0.495472	Absent	Absent	Absent	Absent	Present
0.0512771	0.074461	0.619899	0.254363	Absent	Absent	Absent	Absent	Present
0.0365844	0.0646874	0.571515	0.327213	Absent	Absent	Absent	Absent	Present
0.0365606	0.0645028	0.57507	0.323867	Absent	Absent	Absent	Absent	Present
0.0260847	0.0553136	0.528676	0.389926	Absent	Absent	Absent	Absent	Present
0.0367266	0.0653598	0.568028	0.329886	Absent	Absent	Absent	Absent	Present
0.0262031	0.0560191	0.522421	0.395357	Absent	Absent	Absent	Absent	Present
0.0261861	0.055867	0.525597	0.39235	Absent	Absent	Absent	Absent	Present
0.0186829	0.0474042	0.482195	0.451718	Absent	Absent	Absent	Absent	Present
0.0376089	0.0652299	0.574283	0.322878	Absent	Absent	Absent	Absent	Present
0.0268326	0.0559957	0.528138	0.389034	Absent	Absent	Absent	Absent	Present
0.0268151	0.0558426	0.531347	0.385995	Absent	Absent	Absent	Absent	Present
0.0191317	0.0474425	0.487442	0.445984	Absent	Absent	Absent	Absent	Present
0.0269369	0.0565576	0.525044	0.391461	Absent	Absent	Absent	Absent	Present
0.0192185	0.0480295	0.481836	0.450916	Absent	Absent	Absent	Absent	Present
0.019206	0.0479036	0.484705	0.448185	Absent	Absent	Absent	Absent	Present
0.0137028	0.0403485	0.443851	0.502098	Absent	Absent	Absent	Absent	Present
0.00453704	0.0974808	0.578889	0.319093	Absent	Absent	Absent	Absent	Present
0.00323702	0.0789301	0.532215	0.385618	Absent	Absent	Absent	Absent	Present
0.00323491	0.0787631	0.535439	0.382563	Absent	Absent	Absent	Absent	Present
0.002308	0.0637347	0.49107	0.442887	Absent	Absent	Absent	Absent	Present
0.0032496	0.0795784	0.529113	0.388059	Absent	Absent	Absent	Absent	Present
0.00231847	0.0643928	0.485442	0.447847	Absent	Absent	Absent	Absent	Present
0.00231697	0.064257	0.488326	0.445101	Absent	Absent	Absent	Absent	Present
0.00165307	0.0519668	0.447065	0.499315	Absent	Absent	Absent	Absent	Present
0.00332766	0.0801108	0.534902	0.38166	Absent	Absent	Absent	Absent	Present
0.00237417	0.0648287	0.490725	0.442072	Absent	Absent	Absent	Absent	Present
0.00237263	0.064692	0.493638	0.439297	Absent	Absent	Absent	Absent	Present
0.00169278	0.0523223	0.451906	0.494079	Absent	Absent	Absent	Absent	Present
0.0023834	0.06536	0.487967	0.444289	Absent	Absent	Absent	Absent	Present
0.00170047	0.0528614	0.446855	0.498583	Absent	Absent	Absent	Absent	Present
0.00169936	0.0527502	0.449462	0.496089	Absent	Absent	Absent	Absent	Present
0.00121244	0.0426423	0.410824	0.545322	Absent	Absent	Absent	Absent	Present
0.361234	0.166028	0.229665	0.243072	Absent	Absent	Absent	Absent	Present
0.257728	0.166939	0.258308	0.317025	Absent	Absent	Absent	Absent	Present
0.25756	0.166233	0.262578	0.313628	Absent	Absent	Absent	Absent	Present
0.18376	0.157571	0.277981	0.380687	Absent	Absent	Absent	Absent	Present

0.25873	0.169353	0.252178	0.319739	Absent	Absent	Absent	Absent	Present
0.184595	0.160192	0.269013	0.386201	Absent	Absent	Absent	Absent	Present
0.184475	0.159602	0.272775	0.383148	Absent	Absent	Absent	Absent	Present
0.131616	0.14551	0.279459	0.443415	Absent	Absent	Absent	Absent	Present
0.264945	0.166293	0.256137	0.312624	Absent	Absent	Absent	Absent	Present
0.189029	0.158298	0.272891	0.379782	Absent	Absent	Absent	Absent	Present
0.188906	0.157706	0.27669	0.376697	Absent	Absent	Absent	Absent	Present
0.134778	0.14439	0.283237	0.437594	Absent	Absent	Absent	Absent	Present
0.189764	0.160357	0.267633	0.382246	Absent	Absent	Absent	Absent	Present
0.13539	0.146604	0.275405	0.442601	Absent	Absent	Absent	Absent	Present
0.135302	0.146112	0.278757	0.439829	Absent	Absent	Absent	Absent	Present
0.096533	0.130123	0.278786	0.494558	Absent	Absent	Absent	Absent	Present
0.0319623	0.395834	0.263422	0.308782	Absent	Absent	Absent	Absent	Present
0.022804	0.321751	0.27913	0.376315	Absent	Absent	Absent	Absent	Present
0.0227892	0.321057	0.282941	0.373213	Absent	Absent	Absent	Absent	Present
0.0162593	0.260681	0.288609	0.434451	Absent	Absent	Absent	Absent	Present
0.0228926	0.324434	0.273881	0.378793	Absent	Absent	Absent	Absent	Present
0.0163331	0.26341	0.280771	0.439486	Absent	Absent	Absent	Absent	Present
0.0163225	0.262845	0.284135	0.436698	Absent	Absent	Absent	Absent	Present
0.0116455	0.213201	0.28342	0.491733	Absent	Absent	Absent	Absent	Present
0.0234426	0.326443	0.277817	0.372297	Absent	Absent	Absent	Absent	Present
0.0167254	0.265079	0.284571	0.433624	Absent	Absent	Absent	Absent	Present
0.0167146	0.26451	0.287968	0.430807	Absent	Absent	Absent	Absent	Present
0.0119253	0.214578	0.287079	0.486418	Absent	Absent	Absent	Absent	Present
0.0167904	0.267281	0.280054	0.435874	Absent	Absent	Absent	Absent	Present
0.0119794	0.216817	0.280214	0.49099	Absent	Absent	Absent	Absent	Present
0.0119716	0.216354	0.283216	0.488458	Absent	Absent	Absent	Absent	Present
0.00854132	0.175356	0.277666	0.538436	Absent	Absent	Absent	Absent	Present
0.0365552	0.0651162	0.580468	0.31786	Absent	Absent	Absent	Absent	Present
0.0260808	0.0558072	0.533606	0.384506	Absent	Absent	Absent	Absent	Present
0.0260639	0.0556557	0.536835	0.381445	Absent	Absent	Absent	Absent	Present
0.0185957	0.0472228	0.492303	0.441878	Absent	Absent	Absent	Absent	Present
0.0261822	0.0563645	0.530502	0.386952	Absent	Absent	Absent	Absent	Present
0.0186801	0.0478046	0.486668	0.446847	Absent	Absent	Absent	Absent	Present
0.0186679	0.0476799	0.489556	0.444096	Absent	Absent	Absent	Absent	Present
0.0133189	0.0401189	0.448154	0.498408	Absent	Absent	Absent	Absent	Present
0.0268112	0.0563439	0.536304	0.38054	Absent	Absent	Absent	Absent	Present
0.0191288	0.0478458	0.491963	0.441062	Absent	Absent	Absent	Absent	Present
0.0191164	0.0477205	0.494881	0.438282	Absent	Absent	Absent	Absent	Present
0.0136389	0.0401928	0.453005	0.493163	Absent	Absent	Absent	Absent	Present
0.0192032	0.0483102	0.489204	0.443283	Absent	Absent	Absent	Absent	Present
0.0137008	0.0406757	0.447948	0.497675	Absent	Absent	Absent	Absent	Present
0.0136919	0.0405728	0.450559	0.495177	Absent	Absent	Absent	Absent	Present
0.00976868	0.0339371	0.411796	0.544498	Absent	Absent	Absent	Absent	Present
0.00323443	0.0792569	0.540431	0.377078	Absent	Absent	Absent	Absent	Present
0.00230765	0.0641324	0.495622	0.437938	Absent	Absent	Absent	Absent	Present
0.00230615	0.0639972	0.498554	0.435142	Absent	Absent	Absent	Absent	Present
0.00164536	0.0517566	0.456268	0.49033	Absent	Absent	Absent	Absent	Present
0.00231662	0.0646579	0.492854	0.440171	Absent	Absent	Absent	Absent	Present
0.00165283	0.0522897	0.45119	0.494867	Absent	Absent	Absent	Absent	Present
0.00165175	0.0521797	0.453814	0.492355	Absent	Absent	Absent	Absent	Present
0.00117847	0.0421784	0.414691	0.541952	Absent	Absent	Absent	Absent	Present
0.00237227	0.0650958	0.498215	0.434316	Absent	Absent	Absent	Absent	Present
0.00169253	0.0526475	0.456075	0.489585	Absent	Absent	Absent	Absent	Present
0.00169143	0.0525368	0.458726	0.487046	Absent	Absent	Absent	Absent	Present
0.00120678	0.0424697	0.419161	0.537162	Absent	Absent	Absent	Absent	Present
0.00169911	0.053078	0.45361	0.491612	Absent	Absent	Absent	Absent	Present
0.00121226	0.0429063	0.414599	0.541282	Absent	Absent	Absent	Absent	Present
0.00121147	0.0428163	0.416971	0.539001	Absent	Absent	Absent	Absent	Present
8.6434e-4	0.0345964	0.380498	0.584041	Absent	Absent	Absent	Absent	Present
0.999126	2.91206e-4	2.91206e-4	2.91206e-4	Absent	Absent	Absent	Present	Absent
0.506422	0.139078	0.165408	0.189092	Absent	Absent	Absent	Present	Absent
0.506093	0.138079	0.17077	0.185058	Absent	Absent	Absent	Present	Absent
0.36108	0.157749	0.216493	0.264679	Absent	Absent	Absent	Present	Absent
0.508391	0.142302	0.156994	0.192314	Absent	Absent	Absent	Present	Absent

0.362719	0.161361	0.204695	0.271225	Absent	Absent	Absent	Present	Absent
0.362483	0.160518	0.209398	0.267601	Absent	Absent	Absent	Present	Absent
0.258619	0.162616	0.239608	0.339157	Absent	Absent	Absent	Present	Absent
0.520603	0.134885	0.160645	0.183867	Absent	Absent	Absent	Present	Absent
0.371432	0.15651	0.208454	0.263604	Absent	Absent	Absent	Present	Absent
0.371191	0.155665	0.213203	0.259941	Absent	Absent	Absent	Present	Absent
0.264832	0.159508	0.243415	0.332246	Absent	Absent	Absent	Present	Absent
0.372876	0.159313	0.201282	0.26653	Absent	Absent	Absent	Present	Absent
0.266034	0.162601	0.233175	0.338191	Absent	Absent	Absent	Present	Absent
0.265861	0.161892	0.237348	0.334899	Absent	Absent	Absent	Present	Absent
0.189682	0.154838	0.2556	0.39988	Absent	Absent	Absent	Present	Absent
0.0628043	0.587452	0.170439	0.179305	Absent	Absent	Absent	Present	Absent
0.0448086	0.47892	0.216784	0.259488	Absent	Absent	Absent	Present	Absent
0.0447795	0.477871	0.221545	0.255805	Absent	Absent	Absent	Present	Absent
0.0319486	0.389004	0.250534	0.328513	Absent	Absent	Absent	Present	Absent
0.0449828	0.482958	0.209629	0.26243	Absent	Absent	Absent	Present	Absent
0.0320937	0.39312	0.240295	0.334491	Absent	Absent	Absent	Present	Absent
0.0320728	0.392266	0.24448	0.331181	Absent	Absent	Absent	Present	Absent
0.0228828	0.318887	0.261704	0.396526	Absent	Absent	Absent	Present	Absent
0.0460634	0.485768	0.213452	0.254716	Absent	Absent	Absent	Present	Absent
0.0328646	0.395483	0.244121	0.327531	Absent	Absent	Absent	Present	Absent
0.0328433	0.394622	0.248348	0.324187	Absent	Absent	Absent	Present	Absent
0.0234325	0.320856	0.265497	0.390215	Absent	Absent	Absent	Present	Absent
0.0329924	0.3988	0.238004	0.330203	Absent	Absent	Absent	Present	Absent
0.0235389	0.324235	0.256583	0.395643	Absent	Absent	Absent	Present	Absent
0.0235236	0.323535	0.260305	0.392637	Absent	Absent	Absent	Present	Absent
0.0167833	0.262744	0.268496	0.451977	Absent	Absent	Absent	Present	Absent
0.0718291	0.0827129	0.655375	0.190083	Absent	Absent	Absent	Present	Absent
0.0512475	0.0732235	0.606316	0.269213	Absent	Absent	Absent	Present	Absent
0.0512142	0.0730006	0.610207	0.265579	Absent	Absent	Absent	Present	Absent
0.0365395	0.0635054	0.562623	0.337332	Absent	Absent	Absent	Present	Absent
0.0514467	0.0740255	0.602411	0.272117	Absent	Absent	Absent	Present	Absent
0.0367054	0.0643522	0.555711	0.343232	Absent	Absent	Absent	Present	Absent
0.0366816	0.0641681	0.559185	0.339965	Absent	Absent	Absent	Present	Absent
0.026171	0.0550552	0.514322	0.404451	Absent	Absent	Absent	Present	Absent
0.0526826	0.0737143	0.609099	0.264505	Absent	Absent	Absent	Present	Absent
0.0375872	0.0642153	0.561834	0.336363	Absent	Absent	Absent	Present	Absent
0.0375627	0.0640302	0.565345	0.333063	Absent	Absent	Absent	Present	Absent
0.0267997	0.0550252	0.519952	0.398223	Absent	Absent	Absent	Present	Absent
0.0377333	0.064888	0.558379	0.339	Absent	Absent	Absent	Present	Absent
0.0269214	0.0557317	0.513766	0.40358	Absent	Absent	Absent	Present	Absent
0.0269038	0.0555791	0.516903	0.400614	Absent	Absent	Absent	Present	Absent
0.0191949	0.0472384	0.474392	0.459175	Absent	Absent	Absent	Present	Absent
0.00635549	0.119033	0.614219	0.260393	Absent	Absent	Absent	Present	Absent
0.00453442	0.0964554	0.566356	0.332654	Absent	Absent	Absent	Present	Absent
0.00453147	0.0962505	0.569883	0.329335	Absent	Absent	Absent	Present	Absent
0.00323305	0.0779387	0.523969	0.394859	Absent	Absent	Absent	Present	Absent
0.00455205	0.0972501	0.562893	0.335305	Absent	Absent	Absent	Present	Absent
0.00324772	0.0787456	0.51776	0.400247	Absent	Absent	Absent	Present	Absent
0.00324561	0.078579	0.520912	0.397264	Absent	Absent	Absent	Present	Absent
0.00231563	0.0635874	0.477945	0.456152	Absent	Absent	Absent	Present	Absent
0.0046614	0.097891	0.569094	0.328354	Absent	Absent	Absent	Present	Absent
0.00332574	0.0792719	0.523428	0.393975	Absent	Absent	Absent	Present	Absent
0.00332358	0.0791041	0.526612	0.39096	Absent	Absent	Absent	Present	Absent
0.00237126	0.0640175	0.483147	0.450464	Absent	Absent	Absent	Present	Absent
0.00333867	0.0799233	0.520356	0.396382	Absent	Absent	Absent	Present	Absent
0.00238202	0.0646788	0.477583	0.455357	Absent	Absent	Absent	Present	Absent
0.00238047	0.0645423	0.48043	0.452648	Absent	Absent	Absent	Present	Absent
0.00169838	0.0522025	0.439974	0.506125	Absent	Absent	Absent	Present	Absent
0.506018	0.142029	0.174133	0.177819	Absent	Absent	Absent	Present	Absent
0.361026	0.160923	0.219903	0.258147	Absent	Absent	Absent	Present	Absent
0.360791	0.160084	0.224667	0.254457	Absent	Absent	Absent	Present	Absent
0.257412	0.162111	0.253179	0.327298	Absent	Absent	Absent	Present	Absent
0.362429	0.163719	0.212757	0.261095	Absent	Absent	Absent	Present	Absent
0.258581	0.165189	0.242944	0.333286	Absent	Absent	Absent	Present	Absent

0.258413	0.164485	0.247132	0.32997	Absent	Absent	Absent	Present	Absent
0.184368	0.156241	0.263958	0.395433	Absent	Absent	Absent	Present	Absent
0.371136	0.15889	0.216607	0.253367	Absent	Absent	Absent	Present	Absent
0.264792	0.1621	0.246793	0.326314	Absent	Absent	Absent	Present	Absent
0.26462	0.161394	0.251023	0.322963	Absent	Absent	Absent	Present	Absent
0.188797	0.154323	0.26777	0.389111	Absent	Absent	Absent	Present	Absent
0.265822	0.164505	0.240683	0.328991	Absent	Absent	Absent	Present	Absent
0.189654	0.156938	0.258858	0.394549	Absent	Absent	Absent	Present	Absent
0.189531	0.156349	0.262583	0.391538	Absent	Absent	Absent	Present	Absent
0.135224	0.143354	0.270437	0.450985	Absent	Absent	Absent	Present	Absent
0.0447729	0.481022	0.225012	0.249194	Absent	Absent	Absent	Present	Absent
0.0319439	0.391541	0.253967	0.322548	Absent	Absent	Absent	Present	Absent
0.0319231	0.39069	0.258208	0.319179	Absent	Absent	Absent	Present	Absent
0.022776	0.317605	0.273923	0.385696	Absent	Absent	Absent	Present	Absent
0.0320681	0.394823	0.247869	0.32524	Absent	Absent	Absent	Present	Absent
0.0228794	0.320947	0.265009	0.391165	Absent	Absent	Absent	Present	Absent
0.0228645	0.320254	0.268745	0.388137	Absent	Absent	Absent	Present	Absent
0.016313	0.260041	0.275729	0.447916	Absent	Absent	Absent	Present	Absent
0.0328384	0.397199	0.251779	0.318183	Absent	Absent	Absent	Present	Absent
0.023429	0.322931	0.268842	0.384798	Absent	Absent	Absent	Present	Absent
0.0234138	0.322234	0.272615	0.381738	Absent	Absent	Absent	Present	Absent
0.0167049	0.261686	0.279466	0.442143	Absent	Absent	Absent	Present	Absent
0.0235201	0.325626	0.263612	0.387242	Absent	Absent	Absent	Present	Absent
0.0167808	0.264428	0.271682	0.447109	Absent	Absent	Absent	Present	Absent
0.0167699	0.26386	0.275011	0.444359	Absent	Absent	Absent	Present	Absent
0.0119647	0.21406	0.275329	0.498646	Absent	Absent	Absent	Present	Absent
0.0512066	0.0737555	0.615983	0.259054	Absent	Absent	Absent	Present	Absent
0.0365341	0.0641127	0.567908	0.331446	Absent	Absent	Absent	Present	Absent
0.0365104	0.0639294	0.57144	0.32812	Absent	Absent	Absent	Present	Absent
0.0260489	0.0548472	0.52534	0.393764	Absent	Absent	Absent	Present	Absent
0.0366761	0.0647803	0.564442	0.334102	Absent	Absent	Absent	Present	Absent
0.0261671	0.0555478	0.519124	0.399161	Absent	Absent	Absent	Present	Absent
0.0261501	0.0553966	0.522281	0.396173	Absent	Absent	Absent	Present	Absent
0.0186572	0.0470221	0.479154	0.455167	Absent	Absent	Absent	Present	Absent
0.0375572	0.064647	0.570658	0.327138	Absent	Absent	Absent	Present	Absent
0.0267957	0.0555214	0.524805	0.392877	Absent	Absent	Absent	Present	Absent
0.0267783	0.0553694	0.527995	0.389858	Absent	Absent	Absent	Present	Absent
0.0191054	0.0470579	0.484367	0.449469	Absent	Absent	Absent	Present	Absent
0.0268999	0.0560794	0.521731	0.39529	Absent	Absent	Absent	Present	Absent
0.0191921	0.0476409	0.478797	0.45437	Absent	Absent	Absent	Present	Absent
0.0191796	0.0475159	0.481648	0.451657	Absent	Absent	Absent	Present	Absent
0.013684	0.0400338	0.441052	0.50523	Absent	Absent	Absent	Present	Absent
0.0045308	0.0968575	0.575235	0.323377	Absent	Absent	Absent	Present	Absent
0.00323257	0.0784275	0.528856	0.389484	Absent	Absent	Absent	Present	Absent
0.00323047	0.0782615	0.532061	0.386447	Absent	Absent	Absent	Present	Absent
0.00230482	0.0633304	0.487973	0.446392	Absent	Absent	Absent	Present	Absent
0.00324513	0.0790718	0.525774	0.39191	Absent	Absent	Absent	Present	Absent
0.00231529	0.0639843	0.48238	0.451321	Absent	Absent	Absent	Present	Absent
0.00231378	0.0638493	0.485245	0.448592	Absent	Absent	Absent	Present	Absent
0.0016508	0.0516382	0.444246	0.502465	Absent	Absent	Absent	Present	Absent
0.00332309	0.0796005	0.531526	0.38555	Absent	Absent	Absent	Present	Absent
0.00237091	0.0644173	0.487629	0.445583	Absent	Absent	Absent	Present	Absent
0.00236937	0.0642814	0.490524	0.442825	Absent	Absent	Absent	Present	Absent
0.00169046	0.0519913	0.449057	0.497262	Absent	Absent	Absent	Present	Absent
0.00238012	0.0649453	0.484889	0.447785	Absent	Absent	Absent	Present	Absent
0.00169813	0.052527	0.444037	0.501737	Absent	Absent	Absent	Present	Absent
0.00169703	0.0524165	0.446627	0.499259	Absent	Absent	Absent	Present	Absent
0.00121077	0.0423733	0.408234	0.548182	Absent	Absent	Absent	Present	Absent
0.508229	0.135895	0.169274	0.186603	Absent	Absent	Absent	Present	Absent
0.362603	0.156186	0.215138	0.266072	Absent	Absent	Absent	Present	Absent
0.362368	0.155354	0.219856	0.262422	Absent	Absent	Absent	Present	Absent
0.258536	0.158446	0.248533	0.334484	Absent	Absent	Absent	Present	Absent
0.364013	0.158949	0.20805	0.268988	Absent	Absent	Absent	Present	Absent
0.25971	0.161493	0.238387	0.340409	Absent	Absent	Absent	Present	Absent
0.259541	0.160795	0.242535	0.337128	Absent	Absent	Absent	Present	Absent

0.185174	0.153373	0.259561	0.401892	Absent	Absent	Absent	Present	Absent
0.372757	0.154059	0.21184	0.261344	Absent	Absent	Absent	Present	Absent
0.265949	0.158359	0.242181	0.333511	Absent	Absent	Absent	Present	Absent
0.265776	0.157658	0.246369	0.330196	Absent	Absent	Absent	Present	Absent
0.189622	0.15142	0.263321	0.395637	Absent	Absent	Absent	Present	Absent
0.266983	0.160738	0.23612	0.336159	Absent	Absent	Absent	Present	Absent
0.190483	0.154011	0.254489	0.401017	Absent	Absent	Absent	Present	Absent
0.190359	0.153426	0.258177	0.398038	Absent	Absent	Absent	Present	Absent
0.135814	0.141077	0.266259	0.45685	Absent	Absent	Absent	Present	Absent
0.0449685	0.477643	0.220174	0.257215	Absent	Absent	Absent	Present	Absent
0.0320834	0.388837	0.249294	0.329786	Absent	Absent	Absent	Present	Absent
0.0320626	0.387992	0.253493	0.326452	Absent	Absent	Absent	Present	Absent
0.0228755	0.315444	0.269422	0.392259	Absent	Absent	Absent	Present	Absent
0.0322081	0.392098	0.243245	0.332449	Absent	Absent	Absent	Present	Absent
0.0229794	0.318765	0.260587	0.397669	Absent	Absent	Absent	Present	Absent
0.0229644	0.318077	0.264286	0.394673	Absent	Absent	Absent	Present	Absent
0.0163843	0.258296	0.271505	0.453814	Absent	Absent	Absent	Present	Absent
0.0329819	0.394452	0.247099	0.325467	Absent	Absent	Absent	Present	Absent
0.0235314	0.320732	0.264367	0.39137	Absent	Absent	Absent	Present	Absent
0.0235161	0.320038	0.268103	0.388343	Absent	Absent	Absent	Present	Absent
0.0167779	0.259927	0.275192	0.448102	Absent	Absent	Absent	Present	Absent
0.0236228	0.323409	0.25918	0.393788	Absent	Absent	Absent	Present	Absent
0.0168541	0.262652	0.267478	0.453016	Absent	Absent	Absent	Present	Absent
0.0168431	0.262088	0.270774	0.450295	Absent	Absent	Absent	Present	Absent
0.012017	0.212639	0.271342	0.504002	Absent	Absent	Absent	Present	Absent
0.0514303	0.0727752	0.608824	0.26697	Absent	Absent	Absent	Present	Absent
0.0366937	0.0633437	0.561375	0.338588	Absent	Absent	Absent	Present	Absent
0.0366699	0.0631617	0.56487	0.335298	Absent	Absent	Absent	Present	Absent
0.0261627	0.0542435	0.519353	0.400241	Absent	Absent	Absent	Present	Absent
0.0368363	0.0640057	0.557942	0.341216	Absent	Absent	Absent	Present	Absent
0.0262814	0.0549387	0.5132	0.40558	Absent	Absent	Absent	Present	Absent
0.0262643	0.0547886	0.516324	0.402623	Absent	Absent	Absent	Present	Absent
0.0187387	0.0465429	0.473731	0.460988	Absent	Absent	Absent	Present	Absent
0.0377212	0.063864	0.564088	0.334326	Absent	Absent	Absent	Present	Absent
0.0269128	0.0549059	0.518818	0.399363	Absent	Absent	Absent	Present	Absent
0.0268953	0.054755	0.521974	0.396376	Absent	Absent	Absent	Present	Absent
0.0191888	0.0465739	0.478886	0.455351	Absent	Absent	Absent	Present	Absent
0.0270174	0.0554594	0.515773	0.40175	Absent	Absent	Absent	Present	Absent
0.019276	0.0471524	0.473372	0.4602	Absent	Absent	Absent	Present	Absent
0.0192634	0.0470282	0.476193	0.457515	Absent	Absent	Absent	Present	Absent
0.0137438	0.0396488	0.436091	0.510516	Absent	Absent	Absent	Present	Absent
0.0045506	0.0962238	0.56862	0.330605	Absent	Absent	Absent	Present	Absent
0.00324669	0.0779189	0.522828	0.396006	Absent	Absent	Absent	Present	Absent
0.00324458	0.077754	0.525999	0.393002	Absent	Absent	Absent	Present	Absent
0.00231489	0.0629229	0.482456	0.452306	Absent	Absent	Absent	Present	Absent
0.002325931	0.0785591	0.519776	0.398406	Absent	Absent	Absent	Present	Absent
0.0023254	0.0635727	0.47692	0.457182	Absent	Absent	Absent	Present	Absent
0.00232389	0.0634386	0.479755	0.454482	Absent	Absent	Absent	Present	Absent
0.00165801	0.0513083	0.439254	0.50778	Absent	Absent	Absent	Present	Absent
0.00333761	0.0790838	0.525464	0.392114	Absent	Absent	Absent	Present	Absent
0.00238126	0.0640025	0.482111	0.451506	Absent	Absent	Absent	Present	Absent
0.00237972	0.0638674	0.484975	0.448777	Absent	Absent	Absent	Present	Absent
0.00169784	0.0516589	0.444011	0.502632	Absent	Absent	Absent	Present	Absent
0.00239052	0.0645272	0.479398	0.453685	Absent	Absent	Absent	Present	Absent
0.00170555	0.0521912	0.439043	0.50706	Absent	Absent	Absent	Present	Absent
0.00170444	0.0520814	0.441605	0.504609	Absent	Absent	Absent	Present	Absent
0.00121606	0.0421041	0.403671	0.553009	Absent	Absent	Absent	Present	Absent
0.362314	0.158522	0.223294	0.25587	Absent	Absent	Absent	Present	Absent
0.258498	0.160993	0.251936	0.328572	Absent	Absent	Absent	Present	Absent
0.25833	0.160298	0.256139	0.325233	Absent	Absent	Absent	Present	Absent
0.184309	0.152861	0.271671	0.391158	Absent	Absent	Absent	Present	Absent
0.259503	0.163363	0.245895	0.33124	Absent	Absent	Absent	Present	Absent
0.185146	0.155437	0.262838	0.396579	Absent	Absent	Absent	Present	Absent
0.185026	0.154857	0.26654	0.393577	Absent	Absent	Absent	Present	Absent
0.132009	0.141739	0.273426	0.452826	Absent	Absent	Absent	Present	Absent

0.265737	0.160245	0.249772	0.324246	Absent	Absent	Absent	Present	Absent
0.189594	0.1535	0.266638	0.390268	Absent	Absent	Absent	Present	Absent
0.189471	0.152917	0.270377	0.387235	Absent	Absent	Absent	Present	Absent
0.135181	0.140585	0.277131	0.447103	Absent	Absent	Absent	Present	Absent
0.190331	0.155523	0.261456	0.392691	Absent	Absent	Absent	Present	Absent
0.135794	0.142763	0.269418	0.452026	Absent	Absent	Absent	Present	Absent
0.135706	0.142278	0.272716	0.4493	Absent	Absent	Absent	Present	Absent
0.0968215	0.127072	0.273003	0.503104	Absent	Absent	Absent	Present	Absent
0.0320578	0.390524	0.256949	0.320469	Absent	Absent	Absent	Present	Absent
0.0228721	0.317483	0.272785	0.38686	Absent	Absent	Absent	Present	Absent
0.0228573	0.316797	0.276535	0.38381	Absent	Absent	Absent	Present	Absent
0.0163078	0.257257	0.282423	0.444013	Absent	Absent	Absent	Present	Absent
0.022961	0.320132	0.267611	0.389296	Absent	Absent	Absent	Present	Absent
0.0163819	0.259952	0.274704	0.448963	Absent	Absent	Absent	Present	Absent
0.0163712	0.259394	0.278013	0.446222	Absent	Absent	Absent	Present	Absent
0.0116803	0.210426	0.277567	0.500327	Absent	Absent	Absent	Present	Absent
0.0235126	0.322109	0.271469	0.382909	Absent	Absent	Absent	Present	Absent
0.0167754	0.261595	0.27843	0.4432	Absent	Absent	Absent	Present	Absent
0.0167645	0.261033	0.281772	0.44043	Absent	Absent	Absent	Present	Absent
0.0119609	0.211782	0.281156	0.495101	Absent	Absent	Absent	Present	Absent
0.0168406	0.263768	0.273979	0.445412	Absent	Absent	Absent	Present	Absent
0.0120152	0.213993	0.274396	0.499596	Absent	Absent	Absent	Present	Absent
0.0120074	0.213535	0.27735	0.497107	Absent	Absent	Absent	Present	Absent
0.00856684	0.173089	0.272103	0.54624	Absent	Absent	Absent	Present	Absent
0.0366644	0.0637677	0.570174	0.329394	Absent	Absent	Absent	Present	Absent
0.0261588	0.0547312	0.524198	0.394913	Absent	Absent	Absent	Present	Absent
0.0261418	0.0545817	0.527373	0.391903	Absent	Absent	Absent	Present	Absent
0.0186512	0.046365	0.483669	0.451315	Absent	Absent	Absent	Present	Absent
0.0262605	0.0552801	0.521143	0.397317	Absent	Absent	Absent	Present	Absent
0.0187359	0.0469384	0.478126	0.4562	Absent	Absent	Absent	Present	Absent
0.0187237	0.0468154	0.480966	0.453495	Absent	Absent	Absent	Present	Absent
0.0133587	0.0394277	0.440324	0.506889	Absent	Absent	Absent	Present	Absent
0.0268913	0.0552502	0.526845	0.391014	Absent	Absent	Absent	Present	Absent
0.019186	0.0469723	0.483329	0.450512	Absent	Absent	Absent	Present	Absent
0.0191735	0.0468487	0.486198	0.44778	Absent	Absent	Absent	Present	Absent
0.0136796	0.0394959	0.445092	0.501732	Absent	Absent	Absent	Present	Absent
0.0192606	0.0474299	0.480614	0.452696	Absent	Absent	Absent	Present	Absent
0.0137417	0.039972	0.440118	0.506168	Absent	Absent	Absent	Present	Absent
0.0137328	0.0398704	0.442685	0.503712	Absent	Absent	Absent	Present	Absent
0.00979785	0.0333752	0.404627	0.5522	Absent	Absent	Absent	Present	Absent
0.0032441	0.0782418	0.530904	0.38761	Absent	Absent	Absent	Present	Absent
0.00231455	0.0633157	0.486929	0.447441	Absent	Absent	Absent	Present	Absent
0.00231304	0.0631821	0.489812	0.444693	Absent	Absent	Absent	Present	Absent
0.00165028	0.0511008	0.448302	0.498947	Absent	Absent	Absent	Present	Absent
0.00232355	0.0638346	0.484205	0.449636	Absent	Absent	Absent	Present	Absent
0.00165777	0.0516272	0.443307	0.503408	Absent	Absent	Absent	Present	Absent
0.00165669	0.0515187	0.445887	0.500938	Absent	Absent	Absent	Present	Absent
0.00118199	0.0416464	0.407475	0.549697	Absent	Absent	Absent	Present	Absent
0.00237936	0.0642664	0.489473	0.443881	Absent	Absent	Absent	Present	Absent
0.00169759	0.0519801	0.448108	0.498214	Absent	Absent	Absent	Present	Absent
0.00169649	0.0518708	0.450714	0.495719	Absent	Absent	Absent	Present	Absent
0.00121038	0.0419337	0.411869	0.544987	Absent	Absent	Absent	Present	Absent
0.00170419	0.0524053	0.445683	0.500208	Absent	Absent	Absent	Present	Absent
0.00121588	0.0423649	0.407381	0.549038	Absent	Absent	Absent	Present	Absent
0.00121509	0.042276	0.409714	0.546795	Absent	Absent	Absent	Present	Absent
8.6692e-4	0.0341616	0.373898	0.591074	Absent	Absent	Absent	Present	Absent
0.502325	0.147918	0.171335	0.178423	Absent	Absent	Absent	Present	Present
0.358391	0.165327	0.21759	0.258692	Absent	Absent	Absent	Present	Present
0.358158	0.164482	0.222355	0.255005	Absent	Absent	Absent	Present	Present
0.255533	0.165411	0.251264	0.327792	Absent	Absent	Absent	Present	Present
0.359784	0.168146	0.210433	0.261637	Absent	Absent	Absent	Present	Present
0.256693	0.168511	0.241019	0.333776	Absent	Absent	Absent	Present	Present
0.256526	0.167803	0.245208	0.330462	Absent	Absent	Absent	Present	Present
0.183023	0.158741	0.26236	0.395877	Absent	Absent	Absent	Present	Present
0.368427	0.163394	0.214264	0.253915	Absent	Absent	Absent	Present	Present

0.26286	0.165479	0.244853	0.326809	Absent	Absent	Absent	Present	Present
0.262689	0.164768	0.249082	0.32346	Absent	Absent	Absent	Present	Present
0.187419	0.156863	0.266159	0.389559	Absent	Absent	Absent	Present	Present
0.263882	0.167902	0.238733	0.329483	Absent	Absent	Absent	Present	Present
0.18827	0.159497	0.257239	0.394994	Absent	Absent	Absent	Present	Present
0.188148	0.158903	0.260964	0.391985	Absent	Absent	Absent	Present	Present
0.134237	0.145285	0.26909	0.451388	Absent	Absent	Absent	Present	Present
0.0444461	0.48313	0.222679	0.249745	Absent	Absent	Absent	Present	Present
0.0317107	0.393209	0.252035	0.323046	Absent	Absent	Absent	Present	Present
0.0316901	0.392355	0.256276	0.319679	Absent	Absent	Absent	Present	Present
0.0226098	0.318924	0.272319	0.386147	Absent	Absent	Absent	Present	Present
0.031834	0.396503	0.245927	0.325735	Absent	Absent	Absent	Present	Present
0.0227124	0.322278	0.263397	0.391612	Absent	Absent	Absent	Present	Present
0.0226977	0.321583	0.267133	0.388586	Absent	Absent	Absent	Present	Present
0.016194	0.261096	0.274388	0.448322	Absent	Absent	Absent	Present	Present
0.0325987	0.398896	0.249822	0.318684	Absent	Absent	Absent	Present	Present
0.023258	0.324275	0.267217	0.385249	Absent	Absent	Absent	Present	Present
0.0232429	0.323575	0.27099	0.382192	Absent	Absent	Absent	Present	Present
0.016583	0.262751	0.278114	0.442552	Absent	Absent	Absent	Present	Present
0.0233484	0.326981	0.261979	0.387692	Absent	Absent	Absent	Present	Present
0.0166583	0.265503	0.270323	0.447515	Absent	Absent	Absent	Present	Present
0.0166475	0.264933	0.273652	0.444767	Absent	Absent	Absent	Present	Present
0.0118774	0.214913	0.274195	0.499014	Absent	Absent	Absent	Present	Present
0.0508329	0.0745526	0.615016	0.259598	Absent	Absent	Absent	Present	Present
0.0362675	0.0647203	0.567076	0.331937	Absent	Absent	Absent	Present	Present
0.0362439	0.0645361	0.570606	0.328614	Absent	Absent	Absent	Present	Present
0.0258587	0.0553113	0.524621	0.394209	Absent	Absent	Absent	Present	Present
0.0364084	0.0653917	0.563609	0.334591	Absent	Absent	Absent	Present	Present
0.0259761	0.0560156	0.518406	0.399602	Absent	Absent	Absent	Present	Present
0.0259592	0.0558637	0.521561	0.396616	Absent	Absent	Absent	Present	Present
0.018521	0.0473807	0.478531	0.455567	Absent	Absent	Absent	Present	Present
0.0372831	0.0652673	0.569817	0.327632	Absent	Absent	Absent	Present	Present
0.0266002	0.0559958	0.524081	0.393323	Absent	Absent	Absent	Present	Present
0.0265829	0.0558431	0.527268	0.390306	Absent	Absent	Absent	Present	Present
0.0189659	0.0474215	0.483739	0.449874	Absent	Absent	Absent	Present	Present
0.0267035	0.0565568	0.521006	0.395734	Absent	Absent	Absent	Present	Present
0.019052	0.0480074	0.478169	0.454771	Absent	Absent	Absent	Present	Present
0.0190396	0.0478818	0.481019	0.452059	Absent	Absent	Absent	Present	Present
0.0135841	0.0403157	0.440506	0.505594	Absent	Absent	Absent	Present	Present
0.00449773	0.097234	0.574395	0.323874	Absent	Absent	Absent	Present	Present
0.00320897	0.0787277	0.528131	0.389932	Absent	Absent	Absent	Present	Present
0.00320689	0.0785612	0.531334	0.386898	Absent	Absent	Absent	Present	Present
0.002288	0.0635695	0.487344	0.446799	Absent	Absent	Absent	Present	Present
0.00322145	0.0793743	0.525048	0.392356	Absent	Absent	Absent	Present	Present
0.00229839	0.0642258	0.481752	0.451723	Absent	Absent	Absent	Present	Present
0.0022969	0.0640904	0.484616	0.448997	Absent	Absent	Absent	Present	Present
0.00163875	0.0518308	0.4437	0.50283	Absent	Absent	Absent	Present	Present
0.00329884	0.0799056	0.530794	0.386001	Absent	Absent	Absent	Present	Present
0.0023536	0.0646608	0.486996	0.44599	Absent	Absent	Absent	Present	Present
0.00235207	0.0645244	0.489889	0.443234	Absent	Absent	Absent	Present	Present
0.00167812	0.0521855	0.448506	0.497631	Absent	Absent	Absent	Present	Present
0.00236275	0.0651907	0.484256	0.448191	Absent	Absent	Absent	Present	Present
0.00168574	0.0527231	0.443488	0.502103	Absent	Absent	Absent	Present	Present
0.00168464	0.0526122	0.446076	0.499627	Absent	Absent	Absent	Present	Present
0.00120193	0.0425298	0.407754	0.548514	Absent	Absent	Absent	Present	Present
0.358105	0.167679	0.225829	0.248387	Absent	Absent	Absent	Present	Present
0.255495	0.167981	0.254703	0.32182	Absent	Absent	Absent	Present	Present
0.255329	0.167276	0.258948	0.318447	Absent	Absent	Absent	Present	Present
0.182168	0.158206	0.27459	0.385036	Absent	Absent	Absent	Present	Present
0.256489	0.170394	0.248602	0.324515	Absent	Absent	Absent	Present	Present
0.182995	0.160824	0.26567	0.39051	Absent	Absent	Absent	Present	Present
0.182876	0.160235	0.269409	0.387479	Absent	Absent	Absent	Present	Present
0.130476	0.145873	0.276328	0.447323	Absent	Absent	Absent	Present	Present
0.26265	0.167379	0.252521	0.317451	Absent	Absent	Absent	Present	Present
0.187392	0.158962	0.26951	0.384136	Absent	Absent	Absent	Present	Present

0.18727	0.158371	0.273286	0.381073	Absent	Absent	Absent	Present	Present
0.13361	0.144775	0.280071	0.441543	Absent	Absent	Absent	Present	Present
0.18812	0.161019	0.264277	0.386583	Absent	Absent	Absent	Present	Present
0.134217	0.146986	0.272282	0.446515	Absent	Absent	Absent	Present	Present
0.13413	0.146495	0.275613	0.443762	Absent	Absent	Absent	Present	Present
0.0956968	0.130323	0.275873	0.498107	Absent	Absent	Absent	Present	Present
0.0316854	0.394911	0.259768	0.313635	Absent	Absent	Absent	Present	Present
0.0226064	0.320982	0.275717	0.380694	Absent	Absent	Absent	Present	Present
0.0225917	0.32029	0.279505	0.377614	Absent	Absent	Absent	Present	Present
0.0161184	0.260045	0.285415	0.438421	Absent	Absent	Absent	Present	Present
0.0226943	0.323658	0.270493	0.383155	Absent	Absent	Absent	Present	Present
0.0161916	0.262767	0.27762	0.443421	Absent	Absent	Absent	Present	Present
0.0161811	0.262204	0.280963	0.440653	Absent	Absent	Absent	Present	Present
0.0115446	0.212672	0.280482	0.495302	Absent	Absent	Absent	Present	Present
0.0232395	0.325665	0.274392	0.376704	Absent	Absent	Absent	Present	Present
0.0165806	0.264434	0.281385	0.4376	Absent	Absent	Absent	Present	Present
0.0165698	0.263867	0.284761	0.434803	Absent	Absent	Absent	Present	Present
0.0118219	0.214047	0.284108	0.490023	Absent	Absent	Absent	Present	Present
0.016645	0.26663	0.27689	0.439835	Absent	Absent	Absent	Present	Present
0.0118756	0.216279	0.277281	0.494564	Absent	Absent	Absent	Present	Present
0.0118679	0.215817	0.280265	0.49205	Absent	Absent	Absent	Present	Present
0.00846733	0.174915	0.274941	0.541677	Absent	Absent	Absent	Present	Present
0.0362385	0.0651478	0.575964	0.32265	Absent	Absent	Absent	Present	Present
0.0258549	0.0558035	0.529514	0.388828	Absent	Absent	Absent	Present	Present
0.0258381	0.0556523	0.532722	0.385788	Absent	Absent	Absent	Present	Present
0.0184346	0.0471993	0.488569	0.445797	Absent	Absent	Absent	Present	Present
0.0259554	0.0563598	0.526429	0.391256	Absent	Absent	Absent	Present	Present
0.0185183	0.04778	0.482971	0.450731	Absent	Absent	Absent	Present	Present
0.0185062	0.0476556	0.485839	0.447999	Absent	Absent	Absent	Present	Present
0.0132035	0.0400844	0.444782	0.50193	Absent	Absent	Absent	Present	Present
0.0265789	0.056343	0.532188	0.38489	Absent	Absent	Absent	Present	Present
0.0189631	0.0478237	0.488227	0.444987	Absent	Absent	Absent	Present	Present
0.0189508	0.0476986	0.491124	0.442226	Absent	Absent	Absent	Present	Present
0.0135207	0.04016	0.449598	0.496721	Absent	Absent	Absent	Present	Present
0.0190368	0.0482872	0.485484	0.447192	Absent	Absent	Absent	Present	Present
0.0135821	0.0406419	0.444574	0.501202	Absent	Absent	Absent	Present	Present
0.0135733	0.0405392	0.447167	0.498721	Absent	Absent	Absent	Present	Present
0.00968405	0.0338991	0.40872	0.547696	Absent	Absent	Absent	Present	Present
0.00320641	0.0790536	0.536289	0.381451	Absent	Absent	Absent	Present	Present
0.00228766	0.0639661	0.491862	0.441884	Absent	Absent	Absent	Present	Present
0.00228618	0.0638312	0.494774	0.439108	Absent	Absent	Absent	Present	Present
0.00163111	0.0516211	0.45284	0.493908	Absent	Absent	Absent	Present	Present
0.00229656	0.0644901	0.489112	0.444102	Absent	Absent	Absent	Present	Present
0.00163851	0.0521527	0.447795	0.498414	Absent	Absent	Absent	Present	Present
0.00163745	0.0520431	0.450401	0.495919	Absent	Absent	Absent	Present	Present
0.00116826	0.042067	0.411596	0.545168	Absent	Absent	Absent	Present	Present
0.00235172	0.0649272	0.494433	0.438288	Absent	Absent	Absent	Present	Present
0.00167787	0.0525098	0.452644	0.493168	Absent	Absent	Absent	Present	Present
0.00167678	0.0523994	0.455276	0.490647	Absent	Absent	Absent	Present	Present
0.00119632	0.0423576	0.416034	0.540412	Absent	Absent	Absent	Present	Present
0.00168439	0.0529391	0.450195	0.495182	Absent	Absent	Absent	Present	Present
0.00120176	0.0427931	0.411502	0.544503	Absent	Absent	Absent	Present	Present
0.00120097	0.0427033	0.413858	0.542238	Absent	Absent	Absent	Present	Present
8.5685e-4	0.0345045	0.377677	0.586962	Absent	Absent	Absent	Present	Present
0.35967	0.162931	0.220983	0.256416	Absent	Absent	Absent	Present	Present
0.256611	0.164301	0.250022	0.329065	Absent	Absent	Absent	Present	Present
0.256445	0.163601	0.254225	0.325728	Absent	Absent	Absent	Present	Present
0.182964	0.155349	0.270081	0.391605	Absent	Absent	Absent	Present	Present
0.257609	0.166689	0.243971	0.331731	Absent	Absent	Absent	Present	Present
0.183795	0.157943	0.261241	0.397022	Absent	Absent	Absent	Present	Present
0.183675	0.157359	0.264943	0.394023	Absent	Absent	Absent	Present	Present
0.131046	0.143629	0.272097	0.453227	Absent	Absent	Absent	Present	Present
0.263797	0.163628	0.247833	0.324742	Absent	Absent	Absent	Present	Present
0.18821	0.156046	0.265028	0.390716	Absent	Absent	Absent	Present	Present
0.188088	0.15546	0.268767	0.387685	Absent	Absent	Absent	Present	Present

0.134194	0.142506	0.275791	0.447509	Absent	Absent	Absent	Present	Present
0.188942	0.158083	0.259838	0.393137	Absent	Absent	Absent	Present	Present
0.134803	0.144697	0.268072	0.452428	Absent	Absent	Absent	Present	Present
0.134716	0.14421	0.27137	0.449704	Absent	Absent	Absent	Present	Present
0.0961148	0.128537	0.271879	0.503469	Absent	Absent	Absent	Present	Present
0.0318239	0.392189	0.255019	0.320968	Absent	Absent	Absent	Present	Present
0.0227052	0.318803	0.271182	0.38731	Absent	Absent	Absent	Present	Present
0.0226904	0.318115	0.274932	0.384263	Absent	Absent	Absent	Present	Present
0.0161888	0.258302	0.281088	0.444421	Absent	Absent	Absent	Present	Present
0.0227934	0.321462	0.266	0.389744	Absent	Absent	Absent	Present	Present
0.0162623	0.261007	0.273363	0.449367	Absent	Absent	Absent	Present	Present
0.0162518	0.260447	0.276673	0.446629	Absent	Absent	Absent	Present	Present
0.011595	0.211263	0.276448	0.500694	Absent	Absent	Absent	Present	Present
0.023341	0.323451	0.269845	0.383362	Absent	Absent	Absent	Present	Present
0.016653	0.26266	0.277078	0.443609	Absent	Absent	Absent	Present	Present
0.0166421	0.262096	0.280421	0.440841	Absent	Absent	Absent	Present	Present
0.0118736	0.212627	0.280027	0.495472	Absent	Absent	Absent	Present	Present
0.0167177	0.264842	0.272621	0.445819	Absent	Absent	Absent	Present	Present
0.0119275	0.214846	0.273263	0.499963	Absent	Absent	Absent	Present	Present
0.0119197	0.214387	0.276217	0.497476	Absent	Absent	Absent	Present	Present
0.00850432	0.173767	0.271155	0.546574	Absent	Absent	Absent	Present	Present
0.0363968	0.0643755	0.569342	0.329886	Absent	Absent	Absent	Present	Present
0.0259679	0.0551961	0.523479	0.395357	Absent	Absent	Absent	Present	Present
0.025951	0.055046	0.526654	0.39235	Absent	Absent	Absent	Present	Present
0.0185151	0.0467213	0.483046	0.451718	Absent	Absent	Absent	Present	Present
0.0260688	0.055748	0.520424	0.397759	Absent	Absent	Absent	Present	Present
0.0185992	0.0472976	0.477504	0.456599	Absent	Absent	Absent	Present	Present
0.0185871	0.0471741	0.480343	0.453896	Absent	Absent	Absent	Present	Present
0.0132612	0.0397041	0.439784	0.507251	Absent	Absent	Absent	Present	Present
0.026695	0.0557248	0.526119	0.391461	Absent	Absent	Absent	Present	Present
0.019046	0.0473365	0.482702	0.450916	Absent	Absent	Absent	Present	Present
0.0190336	0.0472123	0.485569	0.448185	Absent	Absent	Absent	Present	Present
0.0135798	0.0397758	0.444546	0.502098	Absent	Absent	Absent	Present	Present
0.01912	0.0477964	0.479986	0.453098	Absent	Absent	Absent	Present	Present
0.0136414	0.0402543	0.439574	0.506531	Absent	Absent	Absent	Present	Present
0.0136326	0.0401522	0.442139	0.504076	Absent	Absent	Absent	Present	Present
0.00972636	0.0335929	0.404152	0.552529	Absent	Absent	Absent	Present	Present
0.00322042	0.0785415	0.530178	0.388059	Absent	Absent	Absent	Present	Present
0.00229766	0.0635549	0.486301	0.447847	Absent	Absent	Absent	Present	Present
0.00229616	0.0634209	0.489182	0.445101	Absent	Absent	Absent	Present	Present
0.00163823	0.0512915	0.447755	0.499315	Absent	Absent	Absent	Present	Present
0.00230659	0.0640757	0.483577	0.450041	Absent	Absent	Absent	Present	Present
0.00164567	0.0518198	0.442762	0.503772	Absent	Absent	Absent	Present	Present
0.0016446	0.0517109	0.44534	0.501304	Absent	Absent	Absent	Present	Present
0.00117336	0.0418001	0.406999	0.550027	Absent	Absent	Absent	Present	Present
0.002362	0.0645095	0.488839	0.444289	Absent	Absent	Absent	Present	Present
0.0016852	0.0521743	0.447558	0.498583	Absent	Absent	Absent	Present	Present
0.00168411	0.0520646	0.450162	0.496089	Absent	Absent	Absent	Present	Present
0.00120155	0.0420887	0.411388	0.545322	Absent	Absent	Absent	Present	Present
0.00169175	0.052601	0.445132	0.500575	Absent	Absent	Absent	Present	Present
0.00120701	0.0425214	0.406902	0.549369	Absent	Absent	Absent	Present	Present
0.00120622	0.0424322	0.409234	0.547128	Absent	Absent	Absent	Present	Present
8.606e-4	0.0342866	0.373479	0.591374	Absent	Absent	Absent	Present	Present
0.256407	0.166166	0.257688	0.319739	Absent	Absent	Absent	Present	Present
0.182937	0.157411	0.273451	0.386201	Absent	Absent	Absent	Present	Present
0.182818	0.15683	0.277204	0.383148	Absent	Absent	Absent	Present	Present
0.130434	0.143125	0.283026	0.443415	Absent	Absent	Absent	Present	Present
0.183648	0.159438	0.268274	0.38864	Absent	Absent	Absent	Present	Present
0.131027	0.145301	0.275302	0.44837	Absent	Absent	Absent	Present	Present
0.130941	0.144818	0.278614	0.445627	Absent	Absent	Absent	Present	Present
0.093422	0.12868	0.278109	0.49979	Absent	Absent	Absent	Present	Present
0.18806	0.157555	0.272139	0.382246	Absent	Absent	Absent	Present	Present
0.134174	0.14419	0.279034	0.442601	Absent	Absent	Absent	Present	Present
0.134087	0.143705	0.282379	0.439829	Absent	Absent	Absent	Present	Present
0.0956663	0.128072	0.281703	0.494558	Absent	Absent	Absent	Present	Present

0.134696	0.145908	0.274581	0.444816	Absent	Absent	Absent	Present	Present
0.0961006	0.129903	0.274939	0.499058	Absent	Absent	Absent	Present	Present
0.0960381	0.1295	0.277895	0.496567	Absent	Absent	Absent	Present	Present
0.0685198	0.113133	0.272595	0.545753	Absent	Absent	Absent	Present	Present
0.0226871	0.320169	0.278351	0.378793	Absent	Absent	Absent	Present	Present
0.0161864	0.259956	0.284372	0.439486	Absent	Absent	Absent	Present	Present
0.0161759	0.259398	0.287728	0.436698	Absent	Absent	Absent	Present	Present
0.0115409	0.210412	0.286314	0.491733	Absent	Absent	Absent	Present	Present
0.0162493	0.262114	0.279924	0.441713	Absent	Absent	Absent	Present	Present
0.0115933	0.212606	0.279543	0.496258	Absent	Absent	Absent	Present	Present
0.0115858	0.212152	0.28251	0.493753	Absent	Absent	Absent	Present	Present
0.00826606	0.171937	0.276584	0.543213	Absent	Absent	Absent	Present	Present
0.0166397	0.263775	0.283711	0.435874	Absent	Absent	Absent	Present	Present
0.0118718	0.21398	0.283159	0.49099	Absent	Absent	Absent	Present	Present
0.0118641	0.213523	0.286155	0.488458	Absent	Absent	Absent	Present	Present
0.00846463	0.173066	0.280033	0.538436	Absent	Absent	Absent	Present	Present
0.011918	0.21575	0.279319	0.493012	Absent	Absent	Absent	Present	Present
0.00850306	0.174865	0.274086	0.542546	Absent	Absent	Absent	Present	Present
0.00849753	0.174493	0.276739	0.54027	Absent	Absent	Absent	Present	Present
0.00606269	0.141322	0.267429	0.585186	Absent	Absent	Absent	Present	Present
0.0259471	0.0555371	0.531564	0.386952	Absent	Absent	Absent	Present	Present
0.0185124	0.0471166	0.487524	0.446847	Absent	Absent	Absent	Present	Present
0.0185003	0.0469935	0.49041	0.444096	Absent	Absent	Absent	Present	Present
0.0131993	0.0395507	0.448842	0.498408	Absent	Absent	Absent	Present	Present
0.0185843	0.0475725	0.484798	0.449045	Absent	Absent	Absent	Present	Present
0.0132593	0.0400247	0.443842	0.502874	Absent	Absent	Absent	Present	Present
0.0132506	0.0399236	0.446424	0.500401	Absent	Absent	Absent	Present	Present
0.00945386	0.0333737	0.40796	0.549213	Absent	Absent	Absent	Present	Present
0.0190308	0.0476136	0.490072	0.443283	Absent	Absent	Absent	Present	Present
0.0135778	0.0400989	0.448648	0.497675	Absent	Absent	Absent	Present	Present
0.0135689	0.0399972	0.451257	0.495177	Absent	Absent	Absent	Present	Present
0.00968097	0.0334622	0.412358	0.544498	Absent	Absent	Absent	Present	Present
0.0136306	0.0404778	0.446221	0.499671	Absent	Absent	Absent	Present	Present
0.00972492	0.033855	0.407867	0.548554	Absent	Absent	Absent	Present	Present
0.0097186	0.0337716	0.410202	0.546308	Absent	Absent	Absent	Present	Present
0.00693388	0.028094	0.374338	0.590634	Absent	Absent	Absent	Present	Present
0.00229582	0.0638166	0.493716	0.440171	Absent	Absent	Absent	Present	Present
0.00163799	0.0516102	0.451885	0.494867	Absent	Absent	Absent	Present	Present
0.00163692	0.0515017	0.454507	0.492355	Absent	Absent	Absent	Present	Present
0.00116789	0.0416309	0.415249	0.541952	Absent	Absent	Absent	Present	Present
0.00164436	0.0520321	0.449449	0.496874	Absent	Absent	Absent	Present	Present
0.00117319	0.0420589	0.410738	0.54603	Absent	Absent	Absent	Present	Present
0.00117243	0.0419707	0.413085	0.543772	Absent	Absent	Absent	Present	Present
8.3649e-4	0.0339118	0.376906	0.588346	Absent	Absent	Absent	Present	Present
0.00168386	0.0523882	0.454316	0.491612	Absent	Absent	Absent	Present	Present
0.00120137	0.0423493	0.415167	0.541282	Absent	Absent	Absent	Present	Present
0.00120059	0.0422604	0.417538	0.539001	Absent	Absent	Absent	Present	Present
8.5658e-4	0.0341478	0.380955	0.584041	Absent	Absent	Absent	Present	Present
0.00120604	0.0426949	0.412994	0.543105	Absent	Absent	Absent	Present	Present
8.6047e-4	0.0344982	0.376897	0.587744	Absent	Absent	Absent	Present	Present
8.5991e-4	0.034426	0.37902	0.585694	Absent	Absent	Absent	Present	Present
6.1351e-4	0.0278064	0.345408	0.626172	Absent	Absent	Absent	Present	Present
2.48077e-4	0.999256	2.48077e-4	2.48077e-4	Absent	Absent	Present	Absent	Absent
0.0644305	0.590848	0.156566	0.188155	Absent	Absent	Present	Absent	Absent
0.0643886	0.589541	0.161952	0.184117	Absent	Absent	Present	Absent	Absent
0.045939	0.480748	0.209482	0.26383	Absent	Absent	Present	Absent	Absent
0.064681	0.595868	0.14807	0.191381	Absent	Absent	Present	Absent	Absent
0.0461476	0.485871	0.197597	0.270384	Absent	Absent	Present	Absent	Absent
0.0461176	0.484806	0.202321	0.266755	Absent	Absent	Present	Absent	Absent
0.0329033	0.394713	0.23399	0.338394	Absent	Absent	Present	Absent	Absent
0.0662348	0.599183	0.151658	0.182924	Absent	Absent	Present	Absent	Absent
0.0472562	0.488684	0.201307	0.262754	Absent	Absent	Present	Absent	Absent
0.0472254	0.487611	0.206076	0.259087	Absent	Absent	Present	Absent	Absent
0.0336937	0.397074	0.237758	0.331475	Absent	Absent	Present	Absent	Absent
0.0474399	0.492811	0.194067	0.265683	Absent	Absent	Present	Absent	Absent

0.0338467	0.401281	0.227446	0.337427	Absent	Absent	Present	Absent	Absent
0.0338246	0.400408	0.231636	0.334131	Absent	Absent	Present	Absent	Absent
0.0241327	0.325606	0.251074	0.399187	Absent	Absent	Present	Absent	Absent
0.0079904	0.652116	0.161537	0.178357	Absent	Absent	Present	Absent	Absent
0.00570087	0.525961	0.209706	0.258633	Absent	Absent	Present	Absent	Absent
0.00569716	0.524871	0.214487	0.254945	Absent	Absent	Present	Absent	Absent
0.00406472	0.423264	0.244933	0.327738	Absent	Absent	Present	Absent	Absent
0.00572302	0.530215	0.202484	0.261578	Absent	Absent	Present	Absent	Absent
0.00408318	0.427571	0.234622	0.333723	Absent	Absent	Present	Absent	Absent
0.00408052	0.426686	0.238825	0.330409	Absent	Absent	Present	Absent	Absent
0.00291131	0.344036	0.257224	0.395829	Absent	Absent	Present	Absent	Absent
0.00586051	0.534028	0.206256	0.253856	Absent	Absent	Present	Absent	Absent
0.00418126	0.430655	0.238409	0.326755	Absent	Absent	Present	Absent	Absent
0.00417855	0.429763	0.242653	0.323406	Absent	Absent	Present	Absent	Absent
0.00298124	0.346523	0.260985	0.38951	Absent	Absent	Present	Absent	Absent
0.00419752	0.434136	0.232237	0.32943	Absent	Absent	Present	Absent	Absent
0.00299478	0.350047	0.252013	0.394945	Absent	Absent	Present	Absent	Absent
0.00299283	0.349323	0.255749	0.391936	Absent	Absent	Present	Absent	Absent
0.00213528	0.281626	0.264894	0.451345	Absent	Absent	Present	Absent	Absent
0.00913859	0.147744	0.653969	0.189148	Absent	Absent	Present	Absent	Absent
0.00652006	0.119836	0.605274	0.268369	Absent	Absent	Present	Absent	Absent
0.00651582	0.119581	0.609173	0.264731	Absent	Absent	Present	Absent	Absent
0.00464881	0.0969116	0.561872	0.336567	Absent	Absent	Present	Absent	Absent
0.00654541	0.120827	0.601351	0.271276	Absent	Absent	Present	Absent	Absent
0.00466992	0.0979186	0.554938	0.342474	Absent	Absent	Present	Absent	Absent
0.00466688	0.0977105	0.55842	0.339203	Absent	Absent	Present	Absent	Absent
0.00332965	0.079127	0.51378	0.403764	Absent	Absent	Present	Absent	Absent
0.00670264	0.121609	0.608033	0.263655	Absent	Absent	Present	Absent	Absent
0.0047821	0.0985624	0.561058	0.335597	Absent	Absent	Present	Absent	Absent
0.00477899	0.0983529	0.564576	0.332293	Absent	Absent	Present	Absent	Absent
0.00340964	0.0796547	0.519407	0.397528	Absent	Absent	Present	Absent	Absent
0.00480069	0.0993751	0.557587	0.338237	Absent	Absent	Present	Absent	Absent
0.00342512	0.08048	0.513203	0.402892	Absent	Absent	Present	Absent	Absent
0.00342289	0.0803096	0.516345	0.399922	Absent	Absent	Present	Absent	Absent
0.00244211	0.0649976	0.47401	0.45855	Absent	Absent	Present	Absent	Absent
8.0859e-4	0.126479	0.613173	0.259539	Absent	Absent	Present	Absent	Absent
5.769e-4	0.101943	0.565597	0.331883	Absent	Absent	Present	Absent	Absent
5.7653e-4	0.101732	0.569131	0.32856	Absent	Absent	Present	Absent	Absent
4.1133e-4	0.08199	0.523438	0.394161	Absent	Absent	Present	Absent	Absent
5.7914e-4	0.102765	0.562118	0.334538	Absent	Absent	Present	Absent	Absent
4.132e-4	0.0828222	0.51721	0.399554	Absent	Absent	Present	Absent	Absent
4.1293e-4	0.0826512	0.520368	0.396568	Absent	Absent	Present	Absent	Absent
2.9461e-4	0.0666068	0.477575	0.455524	Absent	Absent	Present	Absent	Absent
5.9306e-4	0.103513	0.568316	0.327578	Absent	Absent	Present	Absent	Absent
4.2312e-4	0.0834257	0.522876	0.393275	Absent	Absent	Present	Absent	Absent
4.2285e-4	0.0832535	0.526066	0.390257	Absent	Absent	Present	Absent	Absent
3.0169e-4	0.0670928	0.482776	0.44983	Absent	Absent	Present	Absent	Absent
4.2477e-4	0.0840985	0.519791	0.395685	Absent	Absent	Present	Absent	Absent
3.0306e-4	0.0677736	0.477196	0.454728	Absent	Absent	Present	Absent	Absent
3.0286e-4	0.0676337	0.480048	0.452016	Absent	Absent	Present	Absent	Absent
2.1608e-4	0.0545013	0.439728	0.505554	Absent	Absent	Present	Absent	Absent
0.0643791	0.593485	0.165266	0.17687	Absent	Absent	Present	Absent	Absent
0.0459322	0.483924	0.212853	0.257291	Absent	Absent	Present	Absent	Absent
0.0459024	0.482863	0.217638	0.253597	Absent	Absent	Present	Absent	Absent
0.0327497	0.393128	0.247601	0.326521	Absent	Absent	Present	Absent	Absent
0.0461108	0.488007	0.20564	0.260241	Absent	Absent	Present	Absent	Absent
0.0328984	0.39729	0.237295	0.332517	Absent	Absent	Present	Absent	Absent
0.032877	0.396426	0.2415	0.329197	Absent	Absent	Present	Absent	Absent
0.0234566	0.322312	0.259496	0.394735	Absent	Absent	Present	Absent	Absent
0.0472185	0.490836	0.20944	0.252505	Absent	Absent	Present	Absent	Absent
0.0336887	0.399671	0.241105	0.325536	Absent	Absent	Present	Absent	Absent
0.0336668	0.398801	0.245351	0.322182	Absent	Absent	Present	Absent	Absent
0.0240201	0.324297	0.263277	0.388405	Absent	Absent	Present	Absent	Absent
0.0338196	0.403025	0.234939	0.328216	Absent	Absent	Present	Absent	Absent
0.0241291	0.327714	0.254307	0.39385	Absent	Absent	Present	Absent	Absent

0.0241134	0.327006	0.258046	0.390835	Absent	Absent	Present	Absent	Absent
0.0172041	0.265594	0.266851	0.450351	Absent	Absent	Present	Absent	Absent
0.00569631	0.528063	0.217914	0.248327	Absent	Absent	Present	Absent	Absent
0.00406412	0.425836	0.248334	0.321766	Absent	Absent	Present	Absent	Absent
0.00406148	0.424954	0.252592	0.318393	Absent	Absent	Present	Absent	Absent
0.00289772	0.342639	0.269476	0.384987	Absent	Absent	Present	Absent	Absent
0.00407992	0.429278	0.242181	0.324461	Absent	Absent	Present	Absent	Absent
0.00291088	0.346124	0.260504	0.390462	Absent	Absent	Present	Absent	Absent
0.00290898	0.345407	0.264253	0.38743	Absent	Absent	Present	Absent	Absent
0.00207546	0.278465	0.272181	0.447279	Absent	Absent	Present	Absent	Absent
0.00417793	0.432374	0.246052	0.317396	Absent	Absent	Present	Absent	Absent
0.0029808	0.348626	0.264306	0.384087	Absent	Absent	Present	Absent	Absent
0.00297887	0.347905	0.268093	0.381024	Absent	Absent	Present	Absent	Absent
0.00212532	0.280483	0.275893	0.441499	Absent	Absent	Present	Absent	Absent
0.00299239	0.351443	0.25903	0.386534	Absent	Absent	Present	Absent	Absent
0.00213496	0.283334	0.268061	0.446471	Absent	Absent	Present	Absent	Absent
0.00213358	0.282748	0.271401	0.443718	Absent	Absent	Present	Absent	Absent
0.00152223	0.227926	0.272484	0.498067	Absent	Absent	Present	Absent	Absent
0.00651486	0.12034	0.614946	0.258199	Absent	Absent	Present	Absent	Absent
0.00464812	0.0975233	0.567155	0.330674	Absent	Absent	Present	Absent	Absent
0.0046451	0.0973161	0.570694	0.327345	Absent	Absent	Present	Absent	Absent
0.00331411	0.0788074	0.524815	0.393064	Absent	Absent	Present	Absent	Absent
0.00466619	0.0983271	0.563674	0.333333	Absent	Absent	Present	Absent	Absent
0.00332916	0.0796236	0.51858	0.398467	Absent	Absent	Present	Absent	Absent
0.003327	0.079455	0.521743	0.395475	Absent	Absent	Present	Absent	Absent
0.00237369	0.0643005	0.478788	0.454538	Absent	Absent	Present	Absent	Absent
0.00477828	0.0989741	0.569887	0.326361	Absent	Absent	Present	Absent	Absent
0.00340914	0.080155	0.52426	0.392176	Absent	Absent	Present	Absent	Absent
0.00340692	0.0799852	0.527455	0.389153	Absent	Absent	Present	Absent	Absent
0.00243072	0.0647349	0.484001	0.448834	Absent	Absent	Present	Absent	Absent
0.00342239	0.0808138	0.521172	0.394591	Absent	Absent	Present	Absent	Absent
0.00244175	0.0654037	0.478414	0.453741	Absent	Absent	Present	Absent	Absent
0.00244016	0.0652657	0.481271	0.451024	Absent	Absent	Present	Absent	Absent
0.00174097	0.0527906	0.440809	0.504659	Absent	Absent	Present	Absent	Absent
5.7644e-4	0.102348	0.57448	0.322596	Absent	Absent	Present	Absent	Absent
4.1127e-4	0.0824858	0.528324	0.388779	Absent	Absent	Present	Absent	Absent
4.11e-4	0.0823155	0.531535	0.385739	Absent	Absent	Present	Absent	Absent
2.9324e-4	0.0663362	0.487618	0.445753	Absent	Absent	Present	Absent	Absent
4.1287e-4	0.083151	0.525229	0.391207	Absent	Absent	Present	Absent	Absent
2.9457e-4	0.0670093	0.482009	0.450687	Absent	Absent	Present	Absent	Absent
2.9438e-4	0.066871	0.48488	0.447955	Absent	Absent	Present	Absent	Absent
2.1003e-4	0.0538862	0.444013	0.50189	Absent	Absent	Present	Absent	Absent
4.2279e-4	0.0837569	0.53098	0.384841	Absent	Absent	Present	Absent	Absent
3.0164e-4	0.0674983	0.487258	0.444942	Absent	Absent	Present	Absent	Absent
3.0145e-4	0.0673589	0.490158	0.442182	Absent	Absent	Present	Absent	Absent
2.1507e-4	0.0542799	0.448824	0.496681	Absent	Absent	Present	Absent	Absent
3.0282e-4	0.0680424	0.484507	0.447148	Absent	Absent	Present	Absent	Absent
2.1605e-4	0.0548305	0.443791	0.501162	Absent	Absent	Present	Absent	Absent
2.1591e-4	0.0547174	0.446386	0.498681	Absent	Absent	Present	Absent	Absent
1.5404e-4	0.0440902	0.408095	0.547661	Absent	Absent	Present	Absent	Absent
0.0646604	0.58922	0.160456	0.185663	Absent	Absent	Present	Absent	Absent
0.0461329	0.480515	0.208127	0.265225	Absent	Absent	Present	Absent	Absent
0.0461029	0.479461	0.212866	0.261571	Absent	Absent	Present	Absent	Absent
0.0328928	0.390406	0.242985	0.333716	Absent	Absent	Present	Absent	Absent
0.0463122	0.484572	0.200972	0.268144	Absent	Absent	Present	Absent	Absent
0.0330421	0.394542	0.232769	0.339648	Absent	Absent	Present	Absent	Absent
0.0330206	0.393683	0.236933	0.336363	Absent	Absent	Present	Absent	Absent
0.0235591	0.320116	0.255123	0.401201	Absent	Absent	Present	Absent	Absent
0.0474247	0.487372	0.204713	0.260491	Absent	Absent	Present	Absent	Absent
0.0338359	0.396899	0.236523	0.332742	Absent	Absent	Present	Absent	Absent
0.0338139	0.396035	0.240728	0.329423	Absent	Absent	Present	Absent	Absent
0.024125	0.322083	0.258853	0.394939	Absent	Absent	Present	Absent	Absent
0.0339674	0.400232	0.230408	0.335393	Absent	Absent	Present	Absent	Absent
0.0242345	0.325478	0.249962	0.400326	Absent	Absent	Present	Absent	Absent
0.0242188	0.324774	0.253664	0.397343	Absent	Absent	Present	Absent	Absent

0.0172792	0.263806	0.262691	0.456223	Absent	Absent	Present	Absent	Absent
0.0057212	0.524806	0.213115	0.256357	Absent	Absent	Present	Absent	Absent
0.00408187	0.423215	0.243691	0.329012	Absent	Absent	Present	Absent	Absent
0.00407922	0.422338	0.247908	0.325675	Absent	Absent	Present	Absent	Absent
0.00291038	0.340534	0.264998	0.391557	Absent	Absent	Present	Absent	Absent
0.00409774	0.426636	0.237588	0.331678	Absent	Absent	Present	Absent	Absent
0.00292359	0.343998	0.256105	0.396974	Absent	Absent	Present	Absent	Absent
0.00292169	0.343286	0.259818	0.393974	Absent	Absent	Present	Absent	Absent
0.00208452	0.276757	0.267974	0.453184	Absent	Absent	Present	Absent	Absent
0.00419618	0.429712	0.241403	0.324688	Absent	Absent	Present	Absent	Absent
0.00299383	0.346484	0.259855	0.390667	Absent	Absent	Present	Absent	Absent
0.00299188	0.345767	0.263605	0.387637	Absent	Absent	Present	Absent	Absent
0.0021346	0.278762	0.271638	0.447465	Absent	Absent	Present	Absent	Absent
0.00300546	0.349283	0.254623	0.393088	Absent	Absent	Present	Absent	Absent
0.00214429	0.281596	0.263876	0.452384	Absent	Absent	Present	Absent	Absent
0.0021429	0.281013	0.267183	0.449661	Absent	Absent	Present	Absent	Absent
0.00152888	0.22653	0.268511	0.503429	Absent	Absent	Present	Absent	Absent
0.00654332	0.119544	0.607789	0.266124	Absent	Absent	Present	Absent	Absent
0.00466843	0.0968844	0.560623	0.337824	Absent	Absent	Present	Absent	Absent
0.00466539	0.0966784	0.564125	0.334531	Absent	Absent	Present	Absent	Absent
0.00332859	0.0782956	0.518828	0.399548	Absent	Absent	Present	Absent	Absent
0.00468657	0.0976831	0.557175	0.340455	Absent	Absent	Present	Absent	Absent
0.0033437	0.0791067	0.512656	0.404893	Absent	Absent	Present	Absent	Absent
0.00334153	0.0789392	0.515786	0.401934	Absent	Absent	Present	Absent	Absent
0.00238406	0.0638864	0.473364	0.460365	Absent	Absent	Present	Absent	Absent
0.00479916	0.098325	0.563318	0.333558	Absent	Absent	Present	Absent	Absent
0.00342403	0.0796341	0.518272	0.39867	Absent	Absent	Present	Absent	Absent
0.0034218	0.0794654	0.521434	0.395679	Absent	Absent	Present	Absent	Absent
0.00244134	0.0643175	0.478519	0.454722	Absent	Absent	Present	Absent	Absent
0.00343734	0.0802888	0.515215	0.401059	Absent	Absent	Present	Absent	Absent
0.00245242	0.0649822	0.472989	0.459576	Absent	Absent	Present	Absent	Absent
0.00245082	0.064845	0.475816	0.456888	Absent	Absent	Present	Absent	Absent
0.00174858	0.0524528	0.435848	0.509951	Absent	Absent	Present	Absent	Absent
5.7896e-4	0.101722	0.567867	0.329832	Absent	Absent	Present	Absent	Absent
4.1307e-4	0.081982	0.522296	0.395309	Absent	Absent	Present	Absent	Absent
4.128e-4	0.0818127	0.525473	0.392301	Absent	Absent	Present	Absent	Absent
2.9452e-4	0.0659315	0.4821	0.451674	Absent	Absent	Present	Absent	Absent
4.1467e-4	0.0826432	0.519231	0.397711	Absent	Absent	Present	Absent	Absent
2.9585e-4	0.0666005	0.476548	0.456555	Absent	Absent	Present	Absent	Absent
2.9566e-4	0.066463	0.479389	0.453853	Absent	Absent	Present	Absent	Absent
2.1094e-4	0.0535577	0.439019	0.507212	Absent	Absent	Present	Absent	Absent
4.2463e-4	0.0832454	0.524917	0.391412	Absent	Absent	Present	Absent	Absent
3.0296e-4	0.0670864	0.481738	0.450872	Absent	Absent	Present	Absent	Absent
3.0276e-4	0.0669479	0.484608	0.448141	Absent	Absent	Present	Absent	Absent
2.1601e-4	0.053949	0.443777	0.502058	Absent	Absent	Present	Absent	Absent
3.0414e-4	0.0676273	0.479015	0.453054	Absent	Absent	Present	Absent	Absent
2.1699e-4	0.0544962	0.438796	0.506491	Absent	Absent	Present	Absent	Absent
2.1685e-4	0.0543838	0.441363	0.504037	Absent	Absent	Present	Absent	Absent
1.5472e-4	0.0438217	0.403531	0.552493	Absent	Absent	Present	Absent	Absent
0.0460961	0.48263	0.216263	0.255011	Absent	Absent	Present	Absent	Absent
0.0328879	0.392958	0.246357	0.327797	Absent	Absent	Present	Absent	Absent
0.0328665	0.392103	0.250577	0.324454	Absent	Absent	Present	Absent	Absent
0.0234491	0.318829	0.267266	0.390455	Absent	Absent	Present	Absent	Absent
0.0330158	0.396255	0.240261	0.330468	Absent	Absent	Present	Absent	Absent
0.0235556	0.322187	0.258375	0.395882	Absent	Absent	Present	Absent	Absent
0.0235403	0.321491	0.262091	0.392877	Absent	Absent	Present	Absent	Absent
0.0167951	0.2611	0.269911	0.452194	Absent	Absent	Present	Absent	Absent
0.0338089	0.398626	0.244099	0.323466	Absent	Absent	Present	Absent	Absent
0.0241214	0.32417	0.262145	0.389564	Absent	Absent	Present	Absent	Absent
0.0241058	0.323469	0.265898	0.386528	Absent	Absent	Present	Absent	Absent
0.0171986	0.262744	0.273592	0.446465	Absent	Absent	Present	Absent	Absent
0.0242152	0.326877	0.256918	0.391989	Absent	Absent	Present	Absent	Absent
0.0172767	0.2655	0.265831	0.451393	Absent	Absent	Present	Absent	Absent
0.0172655	0.264929	0.269141	0.448664	Absent	Absent	Present	Absent	Absent
0.0123183	0.214967	0.270185	0.50253	Absent	Absent	Present	Absent	Absent

0.00407862	0.424904	0.251333	0.319684	Absent	Absent	Present	Absent	Absent
0.00290995	0.342601	0.268337	0.386152	Absent	Absent	Present	Absent	Absent
0.00290806	0.341892	0.272101	0.383099	Absent	Absent	Present	Absent	Absent
0.0020748	0.275634	0.278921	0.443371	Absent	Absent	Present	Absent	Absent
0.00292126	0.345369	0.263119	0.388591	Absent	Absent	Present	Absent	Absent
0.00208422	0.278435	0.271154	0.448326	Absent	Absent	Present	Absent	Absent
0.00208286	0.277859	0.274476	0.445582	Absent	Absent	Present	Absent	Absent
0.00148605	0.223984	0.27478	0.49975	Absent	Absent	Present	Absent	Absent
0.00299144	0.347865	0.266946	0.382197	Absent	Absent	Present	Absent	Absent
0.00213428	0.280452	0.274856	0.442557	Absent	Absent	Present	Absent	Absent
0.0021329	0.279872	0.27821	0.439784	Absent	Absent	Present	Absent	Absent
0.00152175	0.22561	0.27835	0.494518	Absent	Absent	Present	Absent	Absent
0.00214258	0.282717	0.270368	0.444772	Absent	Absent	Present	Absent	Absent
0.00152866	0.227903	0.271551	0.499018	Absent	Absent	Present	Absent	Absent
0.00152766	0.227432	0.274514	0.496526	Absent	Absent	Present	Absent	Absent
0.00108993	0.183318	0.269876	0.545716	Absent	Absent	Present	Absent	Absent
0.0046647	0.0972888	0.569427	0.328619	Absent	Absent	Present	Absent	Absent
0.0033281	0.0787872	0.523671	0.394214	Absent	Absent	Present	Absent	Absent
0.00332594	0.0786204	0.526853	0.391201	Absent	Absent	Present	Absent	Absent
0.00237294	0.0636282	0.483318	0.450681	Absent	Absent	Present	Absent	Absent
0.00334104	0.0794348	0.520603	0.396621	Absent	Absent	Present	Absent	Absent
0.00238371	0.0642854	0.477759	0.455572	Absent	Absent	Present	Absent	Absent
0.00238216	0.0641498	0.480604	0.452864	Absent	Absent	Present	Absent	Absent
0.00169959	0.0518865	0.440094	0.50632	Absent	Absent	Present	Absent	Absent
0.0034213	0.0799645	0.526303	0.390311	Absent	Absent	Present	Absent	Absent
0.00244097	0.0647195	0.482961	0.449878	Absent	Absent	Present	Absent	Absent
0.00243939	0.0645829	0.485836	0.447142	Absent	Absent	Present	Absent	Absent
0.00174042	0.0522406	0.444862	0.501157	Absent	Absent	Present	Absent	Absent
0.00245046	0.0652503	0.480235	0.452064	Absent	Absent	Present	Absent	Absent
0.00174832	0.0527791	0.439875	0.505598	Absent	Absent	Present	Absent	Absent
0.00174718	0.052668	0.442446	0.503139	Absent	Absent	Present	Absent	Absent
0.00124655	0.0425805	0.40449	0.551683	Absent	Absent	Present	Absent	Absent
4.1274e-4	0.0823075	0.530377	0.386903	Absent	Absent	Present	Absent	Absent
2.9447e-4	0.0663299	0.486573	0.446803	Absent	Absent	Present	Absent	Absent
2.9428e-4	0.066193	0.489461	0.444052	Absent	Absent	Present	Absent	Absent
2.0996e-4	0.0533402	0.448081	0.498368	Absent	Absent	Present	Absent	Absent
2.9562e-4	0.0668647	0.483839	0.449001	Absent	Absent	Present	Absent	Absent
2.1091e-4	0.0538813	0.443074	0.502834	Absent	Absent	Present	Absent	Absent
2.1078e-4	0.0537701	0.445658	0.500362	Absent	Absent	Present	Absent	Absent
1.5038e-4	0.0433268	0.407346	0.549177	Absent	Absent	Present	Absent	Absent
3.0272e-4	0.0673526	0.489106	0.443239	Absent	Absent	Present	Absent	Absent
2.1598e-4	0.0542749	0.447874	0.497635	Absent	Absent	Present	Absent	Absent
2.1584e-4	0.0541629	0.450485	0.495136	Absent	Absent	Present	Absent	Absent
1.5399e-4	0.0436436	0.41174	0.544462	Absent	Absent	Present	Absent	Absent
2.1682e-4	0.0547123	0.44544	0.499631	Absent	Absent	Present	Absent	Absent
1.5469e-4	0.0440863	0.407241	0.548518	Absent	Absent	Present	Absent	Absent
1.5459e-4	0.0439953	0.409578	0.546272	Absent	Absent	Present	Absent	Absent
1.103e-4	0.0354489	0.373839	0.590602	Absent	Absent	Present	Absent	Absent
0.0639092	0.596183	0.162433	0.177474	Absent	Absent	Present	Absent	Present
0.045597	0.486054	0.210513	0.257836	Absent	Absent	Present	Absent	Present
0.0455673	0.48499	0.215298	0.254145	Absent	Absent	Present	Absent	Present
0.0325107	0.39481	0.245664	0.327015	Absent	Absent	Present	Absent	Present
0.0457742	0.490153	0.203288	0.260785	Absent	Absent	Present	Absent	Present
0.0326583	0.398988	0.235347	0.333007	Absent	Absent	Present	Absent	Present
0.0326371	0.398121	0.239553	0.329689	Absent	Absent	Present	Absent	Present
0.0232854	0.323655	0.25788	0.39518	Absent	Absent	Present	Absent	Present
0.0468738	0.493003	0.207069	0.253054	Absent	Absent	Present	Absent	Present
0.0334428	0.401384	0.239141	0.326031	Absent	Absent	Present	Absent	Present
0.0334211	0.400511	0.243388	0.322679	Absent	Absent	Present	Absent	Present
0.0238448	0.325653	0.261648	0.388854	Absent	Absent	Present	Absent	Present
0.0335728	0.404752	0.232966	0.328709	Absent	Absent	Present	Absent	Present
0.023953	0.329082	0.25267	0.394295	Absent	Absent	Present	Absent	Present
0.0239375	0.328371	0.256409	0.391283	Absent	Absent	Present	Absent	Present
0.0170785	0.266677	0.265489	0.450755	Absent	Absent	Present	Absent	Present
0.00565474	0.529913	0.215554	0.248879	Absent	Absent	Present	Absent	Present

0.00403446	0.427322	0.246379	0.322264	Absent	Absent	Present	Absent	Present
0.00403184	0.426437	0.250638	0.318893	Absent	Absent	Present	Absent	Present
0.00287657	0.343831	0.267854	0.385438	Absent	Absent	Present	Absent	Present
0.00405014	0.430776	0.240217	0.324957	Absent	Absent	Present	Absent	Present
0.00288963	0.347327	0.258874	0.390909	Absent	Absent	Present	Absent	Present
0.00288775	0.346608	0.262624	0.38788	Absent	Absent	Present	Absent	Present
0.00206031	0.279431	0.270824	0.447685	Absent	Absent	Present	Absent	Present
0.00414743	0.433883	0.244072	0.317897	Absent	Absent	Present	Absent	Present
0.00295905	0.349839	0.262662	0.38454	Absent	Absent	Present	Absent	Present
0.00295712	0.349115	0.26645	0.381478	Absent	Absent	Present	Absent	Present
0.0021098	0.281456	0.274526	0.441909	Absent	Absent	Present	Absent	Present
0.00297055	0.352665	0.257379	0.386985	Absent	Absent	Present	Absent	Present
0.00211938	0.284316	0.266687	0.446877	Absent	Absent	Present	Absent	Present
0.002118	0.283728	0.270028	0.444126	Absent	Absent	Present	Absent	Present
0.00151112	0.228715	0.271338	0.498436	Absent	Absent	Present	Absent	Present
0.00646731	0.120817	0.613971	0.258744	Absent	Absent	Present	Absent	Present
0.0046142	0.0979034	0.566317	0.331165	Absent	Absent	Present	Absent	Present
0.0046112	0.0976954	0.569855	0.327839	Absent	Absent	Present	Absent	Present
0.00328993	0.0791097	0.524091	0.39351	Absent	Absent	Present	Absent	Present
0.00463213	0.0987101	0.562835	0.333823	Absent	Absent	Present	Absent	Present
0.00330486	0.0799289	0.517857	0.398909	Absent	Absent	Present	Absent	Present
0.00330271	0.0797597	0.521018	0.395919	Absent	Absent	Present	Absent	Present
0.00235637	0.0645437	0.478161	0.454939	Absent	Absent	Present	Absent	Present
0.00474341	0.0993604	0.56904	0.326856	Absent	Absent	Present	Absent	Present
0.00338425	0.0804629	0.52353	0.392623	Absent	Absent	Present	Absent	Present
0.00338205	0.0802926	0.526724	0.389602	Absent	Absent	Present	Absent	Present
0.00241298	0.0649801	0.483368	0.449239	Absent	Absent	Present	Absent	Present
0.00339741	0.0811242	0.520442	0.395036	Absent	Absent	Present	Absent	Present
0.00242393	0.0656513	0.477783	0.454142	Absent	Absent	Present	Absent	Present
0.00242236	0.0655128	0.480638	0.451427	Absent	Absent	Present	Absent	Present
0.00172826	0.052988	0.440261	0.505023	Absent	Absent	Present	Absent	Present
5.7223e-4	0.102701	0.573634	0.323093	Absent	Absent	Present	Absent	Present
4.0827e-4	0.0827696	0.527594	0.389228	Absent	Absent	Present	Absent	Present
4.08e-4	0.0825987	0.530803	0.38619	Absent	Absent	Present	Absent	Present
2.911e-4	0.0665641	0.486985	0.44616	Absent	Absent	Present	Absent	Present
4.0985e-4	0.0834371	0.524499	0.391654	Absent	Absent	Present	Absent	Present
2.9242e-4	0.0672394	0.481378	0.451091	Absent	Absent	Present	Absent	Present
2.9223e-4	0.0671007	0.484247	0.44836	Absent	Absent	Present	Absent	Present
2.0849e-4	0.054071	0.443464	0.502256	Absent	Absent	Present	Absent	Present
4.197e-4	0.0840452	0.530243	0.385292	Absent	Absent	Present	Absent	Present
2.9944e-4	0.0677301	0.48662	0.44535	Absent	Absent	Present	Absent	Present
2.9925e-4	0.0675903	0.489519	0.442591	Absent	Absent	Present	Absent	Present
2.135e-4	0.054466	0.44827	0.497051	Absent	Absent	Present	Absent	Present
3.0061e-4	0.0682762	0.483869	0.447554	Absent	Absent	Present	Absent	Present
2.1447e-4	0.0550186	0.443239	0.501528	Absent	Absent	Present	Absent	Present
2.1433e-4	0.054905	0.445832	0.499049	Absent	Absent	Present	Absent	Present
1.5292e-4	0.0442412	0.407613	0.547993	Absent	Absent	Present	Absent	Present
0.0455606	0.488188	0.218732	0.247519	Absent	Absent	Present	Absent	Present
0.0325059	0.397386	0.249071	0.321037	Absent	Absent	Present	Absent	Present
0.0324848	0.396522	0.253333	0.31766	Absent	Absent	Present	Absent	Present
0.0231767	0.322353	0.270144	0.384326	Absent	Absent	Present	Absent	Present
0.0326322	0.400717	0.242916	0.323735	Absent	Absent	Present	Absent	Present
0.023282	0.325746	0.261166	0.389807	Absent	Absent	Present	Absent	Present
0.0232668	0.325042	0.264919	0.386772	Absent	Absent	Present	Absent	Present
0.0166001	0.263935	0.27278	0.446685	Absent	Absent	Present	Absent	Present
0.0334161	0.403127	0.246794	0.316662	Absent	Absent	Present	Absent	Present
0.0238412	0.327759	0.264975	0.383425	Absent	Absent	Present	Absent	Present
0.0238257	0.327051	0.268765	0.380359	Absent	Absent	Present	Absent	Present
0.0169988	0.265604	0.276499	0.440898	Absent	Absent	Present	Absent	Present
0.0239339	0.330494	0.259697	0.385875	Absent	Absent	Present	Absent	Present
0.017076	0.268387	0.268661	0.445876	Absent	Absent	Present	Absent	Present
0.0170649	0.267811	0.272005	0.44312	Absent	Absent	Present	Absent	Present
0.0121752	0.217269	0.273028	0.497528	Absent	Absent	Present	Absent	Present
0.00403124	0.429027	0.254099	0.312843	Absent	Absent	Present	Absent	Present
0.00287615	0.345917	0.271228	0.379979	Absent	Absent	Present	Absent	Present

0.00287428	0.345201	0.275029	0.376895	Absent	Absent	Present	Absent	Present
0.00205069	0.278296	0.28188	0.437773	Absent	Absent	Present	Absent	Present
0.00288733	0.348712	0.265959	0.382442	Absent	Absent	Present	Absent	Present
0.00206001	0.281124	0.274037	0.442778	Absent	Absent	Present	Absent	Present
0.00205867	0.280543	0.277391	0.440007	Absent	Absent	Present	Absent	Present
0.00146879	0.226144	0.277668	0.494719	Absent	Absent	Present	Absent	Present
0.00295669	0.351233	0.269826	0.375984	Absent	Absent	Present	Absent	Present
0.00210949	0.283162	0.277778	0.436951	Absent	Absent	Present	Absent	Present
0.00210812	0.282576	0.281165	0.434151	Absent	Absent	Present	Absent	Present
0.00150407	0.227786	0.281275	0.489435	Absent	Absent	Present	Absent	Present
0.00211769	0.285448	0.273246	0.439188	Absent	Absent	Present	Absent	Present
0.0015109	0.2301	0.274409	0.49398	Absent	Absent	Present	Absent	Present
0.00150992	0.229624	0.277402	0.491463	Absent	Absent	Present	Absent	Present
0.00107727	0.185083	0.272692	0.541148	Absent	Absent	Present	Absent	Present
0.00461052	0.0983116	0.57521	0.321868	Absent	Absent	Present	Absent	Present
0.00328944	0.079606	0.528983	0.388122	Absent	Absent	Present	Absent	Present
0.0032873	0.0794375	0.532197	0.385079	Absent	Absent	Present	Absent	Present
0.00234537	0.0642827	0.488215	0.445157	Absent	Absent	Present	Absent	Present
0.00330223	0.0802599	0.525885	0.390553	Absent	Absent	Present	Absent	Present
0.00235602	0.0649465	0.482601	0.450097	Absent	Absent	Present	Absent	Present
0.00235449	0.0648095	0.485474	0.447362	Absent	Absent	Present	Absent	Present
0.00167985	0.0524153	0.44455	0.501355	Absent	Absent	Present	Absent	Present
0.00338155	0.0807965	0.531642	0.38418	Absent	Absent	Present	Absent	Present
0.00241262	0.0653859	0.487856	0.444346	Absent	Absent	Present	Absent	Present
0.00241105	0.065248	0.490759	0.441582	Absent	Absent	Present	Absent	Present
0.0017202	0.0527737	0.449366	0.49614	Absent	Absent	Present	Absent	Present
0.002422	0.0659219	0.485103	0.446554	Absent	Absent	Present	Absent	Present
0.00172801	0.0533174	0.444329	0.500626	Absent	Absent	Present	Absent	Present
0.00172689	0.0532053	0.446926	0.498142	Absent	Absent	Present	Absent	Present
0.00123207	0.0430113	0.408582	0.547174	Absent	Absent	Present	Absent	Present
4.0794e-4	0.0830982	0.535757	0.380737	Absent	Absent	Present	Absent	Present
2.9105e-4	0.0669663	0.491503	0.44124	Absent	Absent	Present	Absent	Present
2.9086e-4	0.0668281	0.49442	0.438461	Absent	Absent	Present	Absent	Present
2.0752e-4	0.0538514	0.452617	0.493324	Absent	Absent	Present	Absent	Present
2.9218e-4	0.0675062	0.488742	0.44346	Absent	Absent	Present	Absent	Present
2.0846e-4	0.0543976	0.447559	0.497835	Absent	Absent	Present	Absent	Present
2.0833e-4	0.0542854	0.450169	0.495337	Absent	Absent	Present	Absent	Present
1.4863e-4	0.0437416	0.411467	0.544643	Absent	Absent	Present	Absent	Present
2.992e-4	0.0679988	0.494062	0.43764	Absent	Absent	Present	Absent	Present
2.1347e-4	0.054795	0.452408	0.492583	Absent	Absent	Present	Absent	Present
2.1333e-4	0.054682	0.455045	0.490059	Absent	Absent	Present	Absent	Present
1.522e-4	0.0440615	0.415905	0.539881	Absent	Absent	Present	Absent	Present
2.143e-4	0.0552367	0.44995	0.494599	Absent	Absent	Present	Absent	Present
1.529e-4	0.0445083	0.411361	0.543977	Absent	Absent	Present	Absent	Present
1.528e-4	0.0444165	0.413722	0.541709	Absent	Absent	Present	Absent	Present
1.0901e-4	0.035788	0.377618	0.586485	Absent	Absent	Present	Absent	Present
0.0457596	0.484757	0.213925	0.255558	Absent	Absent	Present	Absent	Present
0.0326479	0.394641	0.244421	0.328291	Absent	Absent	Present	Absent	Present
0.0326267	0.393782	0.248641	0.32495	Absent	Absent	Present	Absent	Present
0.023278	0.32016	0.265659	0.390903	Absent	Absent	Present	Absent	Present
0.0327748	0.397951	0.238315	0.33096	Absent	Absent	Present	Absent	Present
0.0233837	0.323531	0.25676	0.396326	Absent	Absent	Present	Absent	Present
0.0233684	0.322832	0.260477	0.393323	Absent	Absent	Present	Absent	Present
0.0166726	0.262164	0.268568	0.452596	Absent	Absent	Present	Absent	Present
0.0335621	0.400338	0.242138	0.323963	Absent	Absent	Present	Absent	Present
0.0239454	0.325526	0.260517	0.390012	Absent	Absent	Present	Absent	Present
0.0239298	0.324822	0.26427	0.386979	Absent	Absent	Present	Absent	Present
0.0170731	0.263818	0.272237	0.446871	Absent	Absent	Present	Absent	Present
0.0240385	0.328243	0.255282	0.392436	Absent	Absent	Present	Absent	Present
0.0171506	0.266584	0.26447	0.451796	Absent	Absent	Present	Absent	Present
0.0171394	0.266011	0.26778	0.449069	Absent	Absent	Present	Absent	Present
0.0122284	0.215826	0.26905	0.502896	Absent	Absent	Present	Absent	Present
0.00404885	0.426387	0.24938	0.320184	Absent	Absent	Present	Absent	Present
0.00288871	0.343793	0.266716	0.386603	Absent	Absent	Present	Absent	Present
0.00288683	0.343081	0.27048	0.383552	Absent	Absent	Present	Absent	Present

0.00205965	0.276589	0.277571	0.44378	Absent	Absent	Present	Absent	Present
0.00289994	0.34657	0.26149	0.38904	Absent	Absent	Present	Absent	Present
0.002069	0.279401	0.269799	0.448731	Absent	Absent	Present	Absent	Present
0.00206766	0.278823	0.27312	0.44599	Absent	Absent	Present	Absent	Present
0.0014752	0.224759	0.273649	0.500117	Absent	Absent	Present	Absent	Present
0.0029696	0.349076	0.265304	0.38265	Absent	Absent	Present	Absent	Present
0.00211871	0.281425	0.27349	0.442966	Absent	Absent	Present	Absent	Present
0.00211733	0.280843	0.276844	0.440196	Absent	Absent	Present	Absent	Present
0.00151064	0.226391	0.277209	0.494889	Absent	Absent	Present	Absent	Present
0.00212694	0.283698	0.268996	0.445179	Absent	Absent	Present	Absent	Present
0.0015175	0.228691	0.270405	0.499386	Absent	Absent	Present	Absent	Present
0.00151651	0.228218	0.273369	0.496896	Absent	Absent	Present	Absent	Present
0.00108198	0.183951	0.268917	0.54605	Absent	Absent	Present	Absent	Present
0.00463066	0.0976683	0.568589	0.329112	Absent	Absent	Present	Absent	Present
0.00330381	0.0790896	0.522948	0.394659	Absent	Absent	Present	Absent	Present
0.00330166	0.0789222	0.526128	0.391648	Absent	Absent	Present	Absent	Present
0.00235562	0.063869	0.482691	0.451085	Absent	Absent	Present	Absent	Present
0.00331665	0.0797395	0.51988	0.397064	Absent	Absent	Present	Absent	Present
0.00236631	0.0645287	0.477134	0.455972	Absent	Absent	Present	Absent	Present
0.00236478	0.0643926	0.479977	0.453266	Absent	Absent	Present	Absent	Present
0.00168718	0.0520804	0.43955	0.506682	Absent	Absent	Present	Absent	Present
0.00339633	0.080272	0.525573	0.390759	Absent	Absent	Present	Absent	Present
0.00242316	0.0649649	0.48233	0.450282	Absent	Absent	Present	Absent	Present
0.00242158	0.0648278	0.485203	0.447548	Absent	Absent	Present	Absent	Present
0.00172771	0.0524362	0.444313	0.501523	Absent	Absent	Present	Absent	Present
0.00243258	0.0654975	0.479604	0.452466	Absent	Absent	Present	Absent	Present
0.00173556	0.0529766	0.439327	0.505961	Absent	Absent	Present	Absent	Present
0.00173443	0.0528651	0.441897	0.503504	Absent	Absent	Present	Absent	Present
0.00123745	0.042738	0.404013	0.552012	Absent	Absent	Present	Absent	Present
4.0972e-4	0.0825907	0.529647	0.387353	Absent	Absent	Present	Absent	Present
2.9232e-4	0.0665578	0.485941	0.447209	Absent	Absent	Present	Absent	Present
2.9213e-4	0.0664204	0.488828	0.44446	Absent	Absent	Present	Absent	Present
2.0843e-4	0.0535231	0.447532	0.498737	Absent	Absent	Present	Absent	Present
2.9346e-4	0.0670944	0.483207	0.449406	Absent	Absent	Present	Absent	Present
2.0937e-4	0.054066	0.442525	0.503199	Absent	Absent	Present	Absent	Present
2.0924e-4	0.0539545	0.445108	0.500728	Absent	Absent	Present	Absent	Present
1.4928e-4	0.0434752	0.406868	0.549508	Absent	Absent	Present	Absent	Present
3.0051e-4	0.067584	0.488468	0.443648	Absent	Absent	Present	Absent	Present
2.144e-4	0.054461	0.447321	0.498004	Absent	Absent	Present	Absent	Present
2.1426e-4	0.0543486	0.44993	0.495507	Absent	Absent	Present	Absent	Present
1.5287e-4	0.0437931	0.411257	0.544797	Absent	Absent	Present	Absent	Present
2.1524e-4	0.0549	0.444886	0.499998	Absent	Absent	Present	Absent	Present
1.5356e-4	0.0442372	0.40676	0.548849	Absent	Absent	Present	Absent	Present
1.5346e-4	0.044146	0.409095	0.546605	Absent	Absent	Present	Absent	Present
1.0949e-4	0.0355701	0.373418	0.590902	Absent	Absent	Present	Absent	Present
0.0326218	0.396353	0.252072	0.318953	Absent	Absent	Present	Absent	Present
0.0232745	0.32223	0.269004	0.385492	Absent	Absent	Present	Absent	Present
0.0232594	0.321534	0.272771	0.382436	Absent	Absent	Present	Absent	Present
0.0165948	0.261108	0.279525	0.442773	Absent	Absent	Present	Absent	Present
0.023365	0.324918	0.263783	0.387934	Absent	Absent	Present	Absent	Present
0.0166701	0.263844	0.271753	0.447733	Absent	Absent	Present	Absent	Present
0.0166593	0.263277	0.275077	0.444987	Absent	Absent	Present	Absent	Present
0.0118858	0.21358	0.275322	0.499212	Absent	Absent	Present	Absent	Present
0.0239263	0.326924	0.267617	0.381533	Absent	Absent	Present	Absent	Present
0.0170706	0.265511	0.275461	0.441958	Absent	Absent	Present	Absent	Present
0.0170595	0.26494	0.278818	0.439182	Absent	Absent	Present	Absent	Present
0.0121713	0.214956	0.278897	0.493975	Absent	Absent	Present	Absent	Present
0.0171369	0.267717	0.270971	0.444175	Absent	Absent	Present	Absent	Present
0.0122266	0.2172	0.272094	0.49848	Absent	Absent	Present	Absent	Present
0.0122186	0.216736	0.27506	0.495985	Absent	Absent	Present	Absent	Present
0.00871756	0.175687	0.270368	0.545228	Absent	Absent	Present	Absent	Present
0.00288641	0.345163	0.273875	0.378076	Absent	Absent	Present	Absent	Present
0.00205935	0.278266	0.280836	0.438839	Absent	Absent	Present	Absent	Present
0.00205801	0.277691	0.284204	0.436047	Absent	Absent	Present	Absent	Present
0.00146832	0.223846	0.283539	0.491146	Absent	Absent	Present	Absent	Present

0.00206735	0.280513	0.276352	0.441068	Absent	Absent	Present	Absent	Present
0.00147498	0.226121	0.276728	0.495676	Absent	Absent	Present	Absent	Present
0.00147402	0.225653	0.279705	0.493168	Absent	Absent	Present	Absent	Present
0.00105166	0.181881	0.274381	0.542686	Absent	Absent	Present	Absent	Present
0.00211702	0.282546	0.280114	0.435223	Absent	Absent	Present	Absent	Present
0.00151042	0.227762	0.280325	0.490402	Absent	Absent	Present	Absent	Present
0.00150943	0.227292	0.283331	0.487868	Absent	Absent	Present	Absent	Present
0.00107693	0.183204	0.277816	0.537903	Absent	Absent	Present	Absent	Present
0.00151629	0.229601	0.276456	0.492427	Absent	Absent	Present	Absent	Present
0.00108182	0.185064	0.271837	0.542017	Absent	Absent	Present	Absent	Present
0.00108111	0.184682	0.274498	0.539739	Absent	Absent	Present	Absent	Present
7.7134e-4	0.148846	0.265676	0.584707	Absent	Absent	Present	Absent	Present
0.00330117	0.0794174	0.531038	0.386244	Absent	Absent	Present	Absent	Present
0.00235527	0.0642678	0.487168	0.446209	Absent	Absent	Present	Absent	Present
0.00235374	0.0641323	0.49006	0.443454	Absent	Absent	Present	Absent	Present
0.00167931	0.0518698	0.448622	0.497829	Absent	Absent	Present	Absent	Present
0.00236443	0.0647945	0.484432	0.448409	Absent	Absent	Present	Absent	Present
0.00168693	0.0524042	0.443609	0.5023	Absent	Absent	Present	Absent	Present
0.00168584	0.0522939	0.446196	0.499825	Absent	Absent	Present	Absent	Present
0.00120279	0.0422735	0.407831	0.548692	Absent	Absent	Present	Absent	Present
0.00242123	0.0652327	0.489706	0.44264	Absent	Absent	Present	Absent	Present
0.00172746	0.0527623	0.448415	0.497095	Absent	Absent	Present	Absent	Present
0.00172634	0.0526513	0.451029	0.494594	Absent	Absent	Present	Absent	Present
0.00123168	0.0425651	0.412231	0.543972	Absent	Absent	Present	Absent	Present
0.00173417	0.0531939	0.445979	0.499093	Absent	Absent	Present	Absent	Present
0.00123727	0.0430028	0.407728	0.548032	Absent	Absent	Present	Absent	Present
0.00123647	0.0429126	0.410067	0.545784	Absent	Absent	Present	Absent	Present
8.8218e-4	0.0346763	0.37428	0.590162	Absent	Absent	Present	Absent	Present
2.9209e-4	0.0668218	0.493361	0.439525	Absent	Absent	Present	Absent	Present
2.084e-4	0.0538464	0.451661	0.494284	Absent	Absent	Present	Absent	Present
2.0826e-4	0.0537353	0.454288	0.491769	Absent	Absent	Present	Absent	Present
1.4859e-4	0.0432986	0.415129	0.541423	Absent	Absent	Present	Absent	Present
2.0921e-4	0.0542804	0.449217	0.496293	Absent	Absent	Present	Absent	Present
1.4926e-4	0.0437377	0.410607	0.545506	Absent	Absent	Present	Absent	Present
1.4916e-4	0.0436474	0.412958	0.543245	Absent	Absent	Present	Absent	Present
1.0642e-4	0.0351682	0.376855	0.587871	Absent	Absent	Present	Absent	Present
2.1423e-4	0.0546769	0.454083	0.491026	Absent	Absent	Present	Absent	Present
1.5285e-4	0.0440575	0.415037	0.540753	Absent	Absent	Present	Absent	Present
1.5275e-4	0.0439667	0.417412	0.538469	Absent	Absent	Present	Absent	Present
1.0898e-4	0.0354256	0.380905	0.583561	Absent	Absent	Present	Absent	Present
1.5344e-4	0.0444125	0.412856	0.542578	Absent	Absent	Present	Absent	Present
1.0947e-4	0.0357848	0.376837	0.587268	Absent	Absent	Present	Absent	Present
1.094e-4	0.035711	0.378964	0.585216	Absent	Absent	Present	Absent	Present
7.806e-5	0.0287724	0.345409	0.62574	Absent	Absent	Present	Absent	Present
0.0641002	0.587947	0.156572	0.191381	Absent	Absent	Present	Present	Absent
0.0457333	0.479438	0.204445	0.270384	Absent	Absent	Present	Present	Absent
0.0457035	0.478387	0.209155	0.266755	Absent	Absent	Present	Present	Absent
0.0326078	0.389504	0.239494	0.338394	Absent	Absent	Present	Present	Absent
0.045911	0.483484	0.197322	0.273283	Absent	Absent	Present	Present	Absent
0.0327559	0.393629	0.229331	0.344284	Absent	Absent	Present	Present	Absent
0.0327346	0.392773	0.23347	0.341023	Absent	Absent	Present	Present	Absent
0.023355	0.319357	0.251883	0.405405	Absent	Absent	Present	Present	Absent
0.0470139	0.486283	0.20102	0.265683	Absent	Absent	Present	Present	Absent
0.0335428	0.395985	0.233046	0.337427	Absent	Absent	Present	Present	Absent
0.0335209	0.395122	0.237226	0.334131	Absent	Absent	Present	Present	Absent
0.023916	0.321321	0.255575	0.399187	Absent	Absent	Present	Present	Absent
0.0336731	0.399309	0.226959	0.340059	Absent	Absent	Present	Present	Absent
0.0240246	0.324707	0.246732	0.404536	Absent	Absent	Present	Present	Absent
0.024009	0.324005	0.250411	0.401574	Absent	Absent	Present	Present	Absent
0.0171296	0.263168	0.259662	0.460041	Absent	Absent	Present	Present	Absent
0.00567164	0.523368	0.209382	0.261578	Absent	Absent	Present	Present	Absent
0.00404651	0.422052	0.240178	0.333723	Absent	Absent	Present	Present	Absent
0.00404388	0.421178	0.244369	0.330409	Absent	Absent	Present	Present	Absent
0.00288517	0.339596	0.26169	0.395829	Absent	Absent	Present	Present	Absent
0.00406224	0.425464	0.234104	0.33637	Absent	Absent	Present	Present	Absent

0.00289827	0.34305	0.252844	0.401208	Absent	Absent	Present	Present	Absent
0.00289638	0.34234	0.256534	0.398229	Absent	Absent	Present	Present	Absent
0.00206647	0.275993	0.264917	0.457023	Absent	Absent	Present	Present	Absent
0.00415983	0.428532	0.237879	0.32943	Absent	Absent	Present	Present	Absent
0.00296789	0.34553	0.256557	0.394945	Absent	Absent	Present	Present	Absent
0.00296596	0.344815	0.260283	0.391936	Absent	Absent	Present	Present	Absent
0.00211611	0.277993	0.268546	0.451345	Absent	Absent	Present	Present	Absent
0.00297943	0.348322	0.25135	0.397349	Absent	Absent	Present	Present	Absent
0.00212572	0.280819	0.260826	0.456229	Absent	Absent	Present	Present	Absent
0.00212433	0.280238	0.264113	0.453525	Absent	Absent	Present	Present	Absent
0.00151564	0.225904	0.265664	0.506916	Absent	Absent	Present	Present	Absent
0.00648664	0.119247	0.60299	0.271276	Absent	Absent	Present	Present	Absent
0.00462799	0.09664	0.556258	0.342474	Absent	Absent	Present	Present	Absent
0.00462498	0.0964347	0.559737	0.339203	Absent	Absent	Present	Present	Absent
0.00329976	0.0780956	0.514841	0.403764	Absent	Absent	Present	Present	Absent
0.00464598	0.0974366	0.552831	0.345086	Absent	Absent	Present	Present	Absent
0.00331474	0.0789045	0.508709	0.409072	Absent	Absent	Present	Present	Absent
0.00331258	0.0787374	0.511817	0.406133	Absent	Absent	Present	Present	Absent
0.00236341	0.0637212	0.469761	0.464154	Absent	Absent	Present	Present	Absent
0.00475758	0.0980773	0.558928	0.338237	Absent	Absent	Present	Present	Absent
0.00339437	0.0794308	0.514283	0.402892	Absent	Absent	Present	Present	Absent
0.00339216	0.0792626	0.517423	0.399922	Absent	Absent	Present	Present	Absent
0.00242019	0.0641515	0.474878	0.45855	Absent	Absent	Present	Present	Absent
0.00340756	0.0800838	0.511244	0.405264	Absent	Absent	Present	Present	Absent
0.00243117	0.0648144	0.469384	0.463371	Absent	Absent	Present	Present	Absent
0.00242959	0.0646775	0.472191	0.460702	Absent	Absent	Present	Present	Absent
0.00173343	0.0523159	0.432559	0.513392	Absent	Absent	Present	Present	Absent
5.7394e-4	0.10144	0.563448	0.334538	Absent	Absent	Present	Present	Absent
4.0949e-4	0.0817546	0.518282	0.399554	Absent	Absent	Present	Present	Absent
4.0922e-4	0.0815857	0.521437	0.396568	Absent	Absent	Present	Present	Absent
2.9197e-4	0.0657483	0.478436	0.455524	Absent	Absent	Present	Present	Absent
4.1108e-4	0.0824139	0.515235	0.40194	Absent	Absent	Present	Present	Absent
2.9329e-4	0.0664155	0.47292	0.460371	Absent	Absent	Present	Present	Absent
2.931e-4	0.0662784	0.475741	0.457687	Absent	Absent	Present	Present	Absent
2.0912e-4	0.0534088	0.43571	0.510672	Absent	Absent	Present	Present	Absent
4.2095e-4	0.0830144	0.520879	0.395685	Absent	Absent	Present	Present	Absent
3.0034e-4	0.0669001	0.478072	0.454728	Absent	Absent	Present	Present	Absent
3.0014e-4	0.066762	0.480922	0.452016	Absent	Absent	Present	Present	Absent
2.1414e-4	0.0537989	0.440432	0.505554	Absent	Absent	Present	Present	Absent
3.015e-4	0.0674394	0.475365	0.456894	Absent	Absent	Present	Present	Absent
2.1511e-4	0.0543447	0.435484	0.509956	Absent	Absent	Present	Present	Absent
2.1497e-4	0.0542325	0.438034	0.507519	Absent	Absent	Present	Present	Absent
1.5338e-4	0.0436997	0.400512	0.555635	Absent	Absent	Present	Present	Absent
0.0456968	0.481547	0.212515	0.260241	Absent	Absent	Present	Present	Absent
0.032603	0.392049	0.242832	0.332517	Absent	Absent	Present	Present	Absent
0.0325818	0.391196	0.247025	0.329197	Absent	Absent	Present	Present	Absent
0.023246	0.318073	0.263946	0.394735	Absent	Absent	Present	Present	Absent
0.0327297	0.395338	0.236764	0.335169	Absent	Absent	Present	Present	Absent
0.0233515	0.321422	0.255103	0.400124	Absent	Absent	Present	Present	Absent
0.0233363	0.320728	0.258796	0.39714	Absent	Absent	Present	Present	Absent
0.0166497	0.260466	0.266844	0.45604	Absent	Absent	Present	Present	Absent
0.033516	0.397706	0.240562	0.328216	Absent	Absent	Present	Present	Absent
0.0239125	0.323402	0.258836	0.39385	Absent	Absent	Present	Present	Absent
0.0238969	0.322703	0.262565	0.390835	Absent	Absent	Present	Present	Absent
0.0170496	0.262108	0.270491	0.450351	Absent	Absent	Present	Present	Absent
0.0240054	0.326103	0.253634	0.396258	Absent	Absent	Present	Present	Absent
0.017127	0.264856	0.262772	0.455245	Absent	Absent	Present	Present	Absent
0.0171159	0.264287	0.266062	0.452535	Absent	Absent	Present	Present	Absent
0.0122116	0.214436	0.267329	0.506023	Absent	Absent	Present	Present	Absent
0.00404329	0.423737	0.247759	0.324461	Absent	Absent	Present	Present	Absent
0.00288474	0.341657	0.264996	0.390462	Absent	Absent	Present	Present	Absent
0.00288287	0.34095	0.268737	0.38743	Absent	Absent	Present	Present	Absent
0.00205682	0.274873	0.275791	0.447279	Absent	Absent	Present	Present	Absent
0.00289595	0.344417	0.259803	0.392884	Absent	Absent	Present	Present	Absent
0.00206616	0.277667	0.268068	0.4522	Absent	Absent	Present	Present	Absent

0.00206482	0.277092	0.271368	0.449475	Absent	Absent	Present	Present	Absent
0.00147317	0.223365	0.2719	0.503262	Absent	Absent	Present	Present	Absent
0.00296552	0.346908	0.263593	0.386534	Absent	Absent	Present	Present	Absent
0.0021158	0.279678	0.271735	0.446471	Absent	Absent	Present	Present	Absent
0.00211442	0.2791	0.275068	0.443718	Absent	Absent	Present	Present	Absent
0.00150856	0.224987	0.275438	0.498067	Absent	Absent	Present	Present	Absent
0.00212402	0.281937	0.267269	0.44867	Absent	Absent	Present	Present	Absent
0.00151541	0.227273	0.268676	0.502536	Absent	Absent	Present	Present	Absent
0.00151443	0.226803	0.271621	0.500061	Absent	Absent	Present	Present	Absent
0.00108049	0.18281	0.267203	0.548906	Absent	Absent	Present	Present	Absent
0.00462429	0.0970433	0.564999	0.333333	Absent	Absent	Present	Present	Absent
0.00329927	0.0785858	0.519648	0.398467	Absent	Absent	Present	Present	Absent
0.00329712	0.0784194	0.522808	0.395475	Absent	Absent	Present	Present	Absent
0.00235238	0.0634636	0.479646	0.454538	Absent	Absent	Present	Present	Absent
0.00331209	0.0792316	0.516599	0.400857	Absent	Absent	Present	Present	Absent
0.00236306	0.0641192	0.474124	0.459394	Absent	Absent	Present	Present	Absent
0.00236153	0.0639839	0.476949	0.456705	Absent	Absent	Present	Present	Absent
0.00168487	0.051751	0.436778	0.509786	Absent	Absent	Present	Present	Absent
0.00339166	0.0797604	0.522257	0.394591	Absent	Absent	Present	Present	Absent
0.00241983	0.0645524	0.479287	0.453741	Absent	Absent	Present	Present	Absent
0.00241826	0.0644161	0.482142	0.451024	Absent	Absent	Present	Present	Absent
0.00172534	0.0521043	0.441511	0.504659	Absent	Absent	Present	Present	Absent
0.00242923	0.0650816	0.476578	0.455911	Absent	Absent	Present	Present	Absent
0.00173317	0.0526414	0.436556	0.509069	Absent	Absent	Present	Present	Absent
0.00173205	0.0525306	0.43911	0.506627	Absent	Absent	Present	Present	Absent
0.00123575	0.0424684	0.401465	0.55483	Absent	Absent	Present	Present	Absent
4.0916e-4	0.0820791	0.526304	0.391207	Absent	Absent	Present	Present	Absent
2.9192e-4	0.0661457	0.482875	0.450687	Absent	Absent	Present	Present	Absent
2.9173e-4	0.0660091	0.485744	0.447955	Absent	Absent	Present	Present	Absent
2.0814e-4	0.0531918	0.44471	0.50189	Absent	Absent	Present	Present	Absent
2.9306e-4	0.0666789	0.480158	0.45287	Absent	Absent	Present	Present	Absent
2.0909e-4	0.0537314	0.439735	0.506325	Absent	Absent	Present	Present	Absent
2.0895e-4	0.0536205	0.442301	0.503869	Absent	Absent	Present	Present	Absent
1.4908e-4	0.0432062	0.404303	0.552342	Absent	Absent	Present	Present	Absent
3.001e-4	0.0671655	0.485387	0.447148	Absent	Absent	Present	Present	Absent
2.1411e-4	0.0541239	0.4445	0.501162	Absent	Absent	Present	Present	Absent
2.1397e-4	0.0540122	0.447093	0.498681	Absent	Absent	Present	Present	Absent
1.5266e-4	0.0435221	0.408665	0.547661	Absent	Absent	Present	Present	Absent
2.1494e-4	0.0545602	0.442081	0.503144	Absent	Absent	Present	Present	Absent
1.5335e-4	0.0439635	0.404196	0.551687	Absent	Absent	Present	Present	Absent
1.5325e-4	0.0438728	0.406516	0.549458	Absent	Absent	Present	Present	Absent
1.0934e-4	0.0353501	0.371064	0.593476	Absent	Absent	Present	Present	Absent
0.0458964	0.478154	0.207805	0.268144	Absent	Absent	Present	Present	Absent
0.0327455	0.389335	0.238272	0.339648	Absent	Absent	Present	Present	Absent
0.0327242	0.388487	0.242425	0.336363	Absent	Absent	Present	Present	Absent
0.0233475	0.315904	0.259547	0.401201	Absent	Absent	Present	Present	Absent
0.0328727	0.392603	0.232253	0.342271	Absent	Absent	Present	Present	Absent
0.0234535	0.319232	0.250782	0.406532	Absent	Absent	Present	Present	Absent
0.0234383	0.318542	0.254439	0.40358	Absent	Absent	Present	Present	Absent
0.0167224	0.258715	0.262711	0.461851	Absent	Absent	Present	Present	Absent
0.0336624	0.394949	0.235996	0.335393	Absent	Absent	Present	Present	Absent
0.0240169	0.321194	0.254463	0.400326	Absent	Absent	Present	Present	Absent
0.0240013	0.3205	0.258156	0.397343	Absent	Absent	Present	Present	Absent
0.0171241	0.260343	0.266309	0.456223	Absent	Absent	Present	Present	Absent
0.0241103	0.323878	0.249304	0.402708	Absent	Absent	Present	Present	Absent
0.0172018	0.263074	0.25866	0.461064	Absent	Absent	Present	Present	Absent
0.0171907	0.262509	0.261917	0.458384	Absent	Absent	Present	Present	Absent
0.0122649	0.21301	0.263424	0.5113	Absent	Absent	Present	Present	Absent
0.00406095	0.421129	0.243132	0.331678	Absent	Absent	Present	Present	Absent
0.00289734	0.339559	0.260571	0.396974	Absent	Absent	Present	Present	Absent
0.00289546	0.338856	0.264275	0.393974	Absent	Absent	Present	Present	Absent
0.00206581	0.273187	0.271564	0.453184	Absent	Absent	Present	Present	Absent
0.00290861	0.342302	0.25542	0.39937	Absent	Absent	Present	Present	Absent
0.00207519	0.275964	0.263909	0.458052	Absent	Absent	Present	Present	Absent
0.00207384	0.275393	0.267177	0.455356	Absent	Absent	Present	Present	Absent

0.00147961	0.221997	0.267954	0.508569	Absent	Absent	Present	Present	Absent
0.00297848	0.344776	0.259157	0.393088	Absent	Absent	Present	Present	Absent
0.00212504	0.277963	0.267528	0.452384	Absent	Absent	Present	Present	Absent
0.00212366	0.277388	0.270828	0.449661	Absent	Absent	Present	Present	Absent
0.00151515	0.223609	0.271447	0.503429	Absent	Absent	Present	Present	Absent
0.0021333	0.280208	0.263099	0.45456	Absent	Absent	Present	Present	Absent
0.00152203	0.225881	0.264747	0.50785	Absent	Absent	Present	Present	Absent
0.00152104	0.225414	0.267663	0.505402	Absent	Absent	Present	Present	Absent
0.00108521	0.181692	0.263498	0.553725	Absent	Absent	Present	Present	Absent
0.00464449	0.0964075	0.558493	0.340455	Absent	Absent	Present	Present	Absent
0.00331368	0.0780755	0.513717	0.404893	Absent	Absent	Present	Present	Absent
0.00331153	0.0779102	0.516845	0.401934	Absent	Absent	Present	Present	Absent
0.00236266	0.0630548	0.474217	0.460365	Absent	Absent	Present	Present	Absent
0.00332656	0.0787173	0.510698	0.407258	Absent	Absent	Present	Present	Absent
0.00237339	0.0637063	0.468751	0.46517	Absent	Absent	Present	Present	Absent
0.00237184	0.0635718	0.471547	0.46251	Absent	Absent	Present	Present	Absent
0.00169223	0.05142	0.431865	0.515023	Absent	Absent	Present	Present	Absent
0.00340648	0.079242	0.516292	0.401059	Absent	Absent	Present	Present	Absent
0.0024304	0.0641362	0.473857	0.459576	Absent	Absent	Present	Present	Absent
0.00242882	0.0640009	0.476682	0.456888	Absent	Absent	Present	Present	Absent
0.00173288	0.0517708	0.436545	0.509951	Absent	Absent	Present	Present	Absent
0.00243985	0.0646622	0.471174	0.461724	Absent	Absent	Present	Present	Absent
0.00174074	0.0523045	0.431641	0.514314	Absent	Absent	Present	Present	Absent
0.00173961	0.0521944	0.434168	0.511898	Absent	Absent	Present	Present	Absent
0.00124115	0.0421983	0.396974	0.559586	Absent	Absent	Present	Present	Absent
4.1095e-4	0.0815778	0.5203	0.397711	Absent	Absent	Present	Present	Absent
2.932e-4	0.0657421	0.477409	0.456555	Absent	Absent	Present	Present	Absent
2.9301e-4	0.0656064	0.480248	0.453853	Absent	Absent	Present	Present	Absent
2.0905e-4	0.0528676	0.439712	0.507212	Absent	Absent	Present	Present	Absent
2.9434e-4	0.0662721	0.474719	0.458715	Absent	Absent	Present	Present	Absent
2.1e-4	0.0534039	0.434787	0.511599	Absent	Absent	Present	Present	Absent
2.0986e-4	0.0532937	0.437327	0.50917	Absent	Absent	Present	Present	Absent
1.4973e-4	0.042943	0.399783	0.557124	Absent	Absent	Present	Present	Absent
3.0141e-4	0.0667556	0.479889	0.453054	Absent	Absent	Present	Present	Absent
2.1504e-4	0.0537939	0.4395	0.506491	Absent	Absent	Present	Present	Absent
2.149e-4	0.053683	0.442065	0.504037	Absent	Absent	Present	Present	Absent
1.5333e-4	0.043257	0.404097	0.552493	Absent	Absent	Present	Present	Absent
2.1588e-4	0.0542275	0.437104	0.508452	Absent	Absent	Present	Present	Absent
1.5402e-4	0.0436957	0.399673	0.556477	Absent	Absent	Present	Present	Absent
1.5392e-4	0.0436056	0.40197	0.554271	Absent	Absent	Present	Present	Absent
1.0982e-4	0.0351349	0.366936	0.597819	Absent	Absent	Present	Present	Absent
0.0327193	0.391026	0.245786	0.330468	Absent	Absent	Present	Present	Absent
0.0233441	0.317949	0.262825	0.395882	Absent	Absent	Present	Present	Absent
0.0233289	0.317262	0.266532	0.392877	Absent	Absent	Present	Present	Absent
0.0166443	0.257674	0.273488	0.452194	Absent	Absent	Present	Present	Absent
0.0234348	0.320603	0.25768	0.398282	Absent	Absent	Present	Present	Absent
0.0167199	0.260375	0.265835	0.457071	Absent	Absent	Present	Present	Absent
0.016709	0.259815	0.269105	0.45437	Absent	Absent	Present	Present	Absent
0.0119213	0.210797	0.269603	0.507679	Absent	Absent	Present	Present	Absent
0.0239978	0.322576	0.261437	0.391989	Absent	Absent	Present	Present	Absent
0.0171216	0.262015	0.26947	0.451393	Absent	Absent	Present	Present	Absent
0.0171104	0.261452	0.272773	0.448664	Absent	Absent	Present	Present	Absent
0.0122077	0.212152	0.27311	0.50253	Absent	Absent	Present	Present	Absent
0.0171881	0.264194	0.265045	0.453573	Absent	Absent	Present	Present	Absent
0.0122631	0.214367	0.26641	0.506959	Absent	Absent	Present	Present	Absent
0.0122551	0.213909	0.269329	0.504507	Absent	Absent	Present	Present	Absent
0.00874361	0.173413	0.264926	0.552917	Absent	Absent	Present	Present	Absent
0.00289503	0.340912	0.267602	0.388591	Absent	Absent	Present	Present	Absent
0.0020655	0.274843	0.274765	0.448326	Absent	Absent	Present	Present	Absent
0.00206416	0.274275	0.278079	0.445582	Absent	Absent	Present	Present	Absent
0.00147271	0.221096	0.277682	0.49975	Absent	Absent	Present	Present	Absent
0.00207353	0.277063	0.270346	0.450518	Absent	Absent	Present	Present	Absent
0.00147939	0.223342	0.270975	0.504203	Absent	Absent	Present	Present	Absent
0.00147843	0.22288	0.273904	0.501737	Absent	Absent	Present	Present	Absent
0.00105481	0.179648	0.268879	0.550418	Absent	Absent	Present	Present	Absent

0.00212334	0.27907	0.274035	0.444772	Absent	Absent	Present	Present	Absent
0.00151493	0.224963	0.274504	0.499018	Absent	Absent	Present	Present	Absent
0.00151394	0.224498	0.277461	0.496526	Absent	Absent	Present	Present	Absent
0.00108015	0.180954	0.272249	0.545716	Absent	Absent	Present	Present	Absent
0.00152082	0.226779	0.270691	0.501009	Absent	Absent	Present	Present	Absent
0.00108505	0.182792	0.266362	0.549761	Absent	Absent	Present	Present	Absent
0.00108434	0.182414	0.26898	0.547521	Absent	Absent	Present	Present	Absent
7.7364e-4	0.14702	0.260478	0.591729	Absent	Absent	Present	Present	Absent
0.00331104	0.0783993	0.521669	0.396621	Absent	Absent	Present	Present	Absent
0.00236231	0.0634487	0.478617	0.455572	Absent	Absent	Present	Present	Absent
0.00236077	0.0633148	0.481461	0.452864	Absent	Absent	Present	Present	Absent
0.00168433	0.051212	0.440784	0.50632	Absent	Absent	Present	Present	Absent
0.00237149	0.0639689	0.475925	0.457735	Absent	Absent	Present	Present	Absent
0.00169198	0.0517398	0.435853	0.510715	Absent	Absent	Present	Present	Absent
0.00169088	0.051631	0.438397	0.508281	Absent	Absent	Present	Present	Absent
0.00120638	0.04174	0.400731	0.556323	Absent	Absent	Present	Present	Absent
0.00242846	0.0644009	0.481107	0.452064	Absent	Absent	Present	Present	Absent
0.00173262	0.052093	0.440577	0.505598	Absent	Absent	Present	Present	Absent
0.00173149	0.0519833	0.443146	0.503139	Absent	Absent	Present	Present	Absent
0.00123536	0.0420276	0.405054	0.551683	Absent	Absent	Present	Present	Absent
0.00173936	0.0525192	0.438179	0.507562	Absent	Absent	Present	Present	Absent
0.00124097	0.0424599	0.400625	0.555674	Absent	Absent	Present	Present	Absent
0.00124016	0.0423708	0.402925	0.553464	Absent	Absent	Present	Present	Absent
8.8481e-4	0.0342402	0.367784	0.597091	Absent	Absent	Present	Present	Absent
2.9296e-4	0.0660029	0.484703	0.449001	Absent	Absent	Present	Present	Absent
2.0902e-4	0.0531869	0.44377	0.502834	Absent	Absent	Present	Present	Absent
2.0888e-4	0.0530772	0.446352	0.500362	Absent	Absent	Present	Present	Absent
1.4903e-4	0.0427686	0.407906	0.549177	Absent	Absent	Present	Present	Absent
2.0983e-4	0.0536156	0.441365	0.50481	Absent	Absent	Present	Present	Absent
1.4971e-4	0.0432023	0.403458	0.55319	Absent	Absent	Present	Present	Absent
1.4961e-4	0.0431132	0.405769	0.550968	Absent	Absent	Present	Present	Absent
1.0674e-4	0.0347379	0.370316	0.594839	Absent	Absent	Present	Present	Absent
2.1487e-4	0.0540073	0.446147	0.499631	Absent	Absent	Present	Present	Absent
1.533e-4	0.0435182	0.407811	0.548518	Absent	Absent	Present	Present	Absent
1.532e-4	0.0434284	0.410146	0.546272	Absent	Absent	Present	Present	Absent
1.0931e-4	0.0349922	0.374297	0.590602	Absent	Absent	Present	Present	Absent
1.539e-4	0.0438689	0.405666	0.550311	Absent	Absent	Present	Present	Absent
1.098e-4	0.035347	0.370297	0.594247	Absent	Absent	Present	Present	Absent
1.0973e-4	0.0352741	0.372388	0.592228	Absent	Absent	Present	Present	Absent
7.829e-5	0.0284205	0.339433	0.632068	Absent	Absent	Present	Present	Absent
0.0453632	0.483666	0.210186	0.260785	Absent	Absent	Present	Present	Present
0.0323651	0.393725	0.240903	0.333007	Absent	Absent	Present	Present	Present
0.032344	0.392869	0.245097	0.329689	Absent	Absent	Present	Present	Present
0.0230763	0.319398	0.262346	0.39518	Absent	Absent	Present	Present	Present
0.0324909	0.397027	0.234826	0.335657	Absent	Absent	Present	Present	Present
0.0321811	0.32276	0.253495	0.400564	Absent	Absent	Present	Present	Present
0.023166	0.322063	0.257188	0.397583	Absent	Absent	Present	Present	Present
0.0165281	0.261526	0.265506	0.456439	Absent	Absent	Present	Present	Present
0.0332714	0.399412	0.238608	0.328709	Absent	Absent	Present	Present	Present
0.023738	0.324753	0.257214	0.394295	Absent	Absent	Present	Present	Present
0.0237225	0.324051	0.260944	0.391283	Absent	Absent	Present	Present	Present
0.0169252	0.263178	0.269142	0.450755	Absent	Absent	Present	Present	Present
0.0238302	0.327464	0.252004	0.396702	Absent	Absent	Present	Present	Present
0.017002	0.265937	0.261417	0.455645	Absent	Absent	Present	Present	Present
0.016991	0.265366	0.264706	0.452937	Absent	Absent	Present	Present	Present
0.0121225	0.215293	0.266199	0.506386	Absent	Absent	Present	Present	Present
0.00401378	0.425215	0.245814	0.324957	Absent	Absent	Present	Present	Present
0.00286369	0.342845	0.263381	0.390909	Absent	Absent	Present	Present	Present
0.00286183	0.342136	0.267122	0.38788	Absent	Absent	Present	Present	Present
0.00204181	0.275826	0.274448	0.447685	Absent	Absent	Present	Present	Present
0.00287482	0.345615	0.258181	0.39333	Absent	Absent	Present	Present	Present
0.00205108	0.278629	0.266718	0.452602	Absent	Absent	Present	Present	Present
0.00204975	0.278053	0.270018	0.449879	Absent	Absent	Present	Present	Present
0.00146242	0.224137	0.270773	0.503627	Absent	Absent	Present	Present	Present
0.00294388	0.348114	0.261957	0.386985	Absent	Absent	Present	Present	Present

0.00210035	0.280649	0.270374	0.446877	Absent	Absent	Present	Present	Present
0.00209899	0.280068	0.273707	0.444126	Absent	Absent	Present	Present	Present
0.00149755	0.225765	0.274302	0.498436	Absent	Absent	Present	Present	Present
0.00210852	0.282915	0.265902	0.449075	Absent	Absent	Present	Present	Present
0.00150435	0.228059	0.267536	0.502901	Absent	Absent	Present	Present	Present
0.00150337	0.227587	0.270481	0.500428	Absent	Absent	Present	Present	Present
0.0010726	0.183441	0.266249	0.549237	Absent	Absent	Present	Present	Present
0.00459054	0.0974215	0.564165	0.333823	Absent	Absent	Present	Present	Present
0.00327519	0.0788872	0.518929	0.398909	Absent	Absent	Present	Present	Present
0.00327306	0.0787203	0.522087	0.395919	Absent	Absent	Present	Present	Present
0.00233521	0.0637038	0.479022	0.454939	Absent	Absent	Present	Present	Present
0.00328792	0.0795354	0.51588	0.401297	Absent	Absent	Present	Present	Present
0.00234582	0.0643616	0.473501	0.459791	Absent	Absent	Present	Present	Present
0.00234429	0.0642259	0.476326	0.457104	Absent	Absent	Present	Present	Present
0.00167257	0.0519443	0.436237	0.510146	Absent	Absent	Present	Present	Present
0.0033669	0.0800668	0.52153	0.395036	Absent	Absent	Present	Present	Present
0.00240217	0.0647969	0.478659	0.454142	Absent	Absent	Present	Present	Present
0.00240061	0.0646601	0.481512	0.451427	Absent	Absent	Present	Present	Present
0.00171275	0.0522992	0.440965	0.505023	Absent	Absent	Present	Present	Present
0.0024115	0.0653281	0.47595	0.456311	Absent	Absent	Present	Present	Present
0.00172052	0.0528382	0.436012	0.50943	Absent	Absent	Present	Present	Present
0.0017194	0.052727	0.438564	0.50699	Absent	Absent	Present	Present	Present
0.00122673	0.0426254	0.40099	0.555157	Absent	Absent	Present	Present	Present
4.0617e-4	0.0823615	0.525578	0.391654	Absent	Absent	Present	Present	Present
2.8979e-4	0.0663729	0.482247	0.451091	Absent	Absent	Present	Present	Present
2.896e-4	0.0662359	0.485114	0.44836	Absent	Absent	Present	Present	Present
2.0662e-4	0.0533742	0.444163	0.502256	Absent	Absent	Present	Present	Present
2.9092e-4	0.0669079	0.47953	0.453271	Absent	Absent	Present	Present	Present
2.0756e-4	0.0539156	0.439189	0.506687	Absent	Absent	Present	Present	Present
2.0742e-4	0.0538044	0.441754	0.504234	Absent	Absent	Present	Present	Present
1.4799e-4	0.0433541	0.403827	0.552671	Absent	Absent	Present	Present	Present
2.9791e-4	0.0673962	0.484752	0.447554	Absent	Absent	Present	Present	Present
2.1255e-4	0.0543096	0.44395	0.501528	Absent	Absent	Present	Present	Present
2.1241e-4	0.0541975	0.446541	0.499049	Absent	Absent	Present	Present	Present
1.5155e-4	0.0436712	0.408185	0.547993	Absent	Absent	Present	Present	Present
2.1337e-4	0.0547473	0.44153	0.503509	Absent	Absent	Present	Present	Present
1.5223e-4	0.0441141	0.403717	0.552017	Absent	Absent	Present	Present	Present
1.5213e-4	0.0440231	0.406036	0.549788	Absent	Absent	Present	Present	Present
1.0854e-4	0.035471	0.370646	0.593775	Absent	Absent	Present	Present	Present
0.0323392	0.395432	0.248494	0.323735	Absent	Absent	Present	Present	Present
0.0230729	0.321462	0.265658	0.389807	Absent	Absent	Present	Present	Present
0.0230579	0.320768	0.269402	0.386772	Absent	Absent	Present	Present	Present
0.016451	0.260473	0.276391	0.446685	Absent	Absent	Present	Present	Present
0.0231626	0.324144	0.260462	0.392231	Absent	Absent	Present	Present	Present
0.0165257	0.263201	0.268662	0.451611	Absent	Absent	Present	Present	Present
0.0165149	0.262637	0.271965	0.448883	Absent	Absent	Present	Present	Present
0.0117828	0.213051	0.272438	0.502728	Absent	Absent	Present	Present	Present
0.023719	0.326147	0.264259	0.385875	Absent	Absent	Present	Present	Present
0.0169227	0.264866	0.272335	0.445876	Absent	Absent	Present	Present	Present
0.0169117	0.264297	0.275671	0.44312	Absent	Absent	Present	Present	Present
0.0120659	0.214425	0.275981	0.497528	Absent	Absent	Present	Present	Present
0.0169885	0.267067	0.267867	0.448077	Absent	Absent	Present	Present	Present
0.0121207	0.216663	0.269216	0.502001	Absent	Absent	Present	Present	Present
0.0121128	0.2162	0.272163	0.499524	Absent	Absent	Present	Present	Present
0.00864204	0.175245	0.267692	0.548421	Absent	Absent	Present	Present	Present
0.0028614	0.344212	0.270484	0.382442	Absent	Absent	Present	Present	Present
0.00204151	0.277498	0.277682	0.442778	Absent	Absent	Present	Present	Present
0.00204018	0.276924	0.281029	0.440007	Absent	Absent	Present	Present	Present
0.0014556	0.223227	0.280598	0.494719	Absent	Absent	Present	Present	Present
0.00204944	0.279738	0.27322	0.444992	Absent	Absent	Present	Present	Present
0.00146221	0.225495	0.273825	0.499217	Absent	Absent	Present	Present	Present
0.00146126	0.225029	0.276783	0.496727	Absent	Absent	Present	Present	Present
0.00104255	0.181377	0.271684	0.545897	Absent	Absent	Present	Present	Present
0.00209868	0.281766	0.276947	0.439188	Absent	Absent	Present	Present	Present
0.00149733	0.227133	0.27739	0.49398	Absent	Absent	Present	Present	Present

0.00149636	0.226663	0.280377	0.491463	Absent	Absent	Present	Present	Present
0.0010676	0.182696	0.275088	0.541148	Absent	Absent	Present	Present	Present
0.00150315	0.228966	0.27354	0.495991	Absent	Absent	Present	Present	Present
0.00107245	0.184552	0.269143	0.545233	Absent	Absent	Present	Present	Present
0.00107175	0.18417	0.271787	0.542971	Absent	Absent	Present	Present	Present
7.6465e-4	0.148433	0.263179	0.587623	Absent	Absent	Present	Present	Present
0.00327258	0.079214	0.52696	0.390553	Absent	Absent	Present	Present	Present
0.00233487	0.0641014	0.483467	0.450097	Absent	Absent	Present	Present	Present
0.00233335	0.0639662	0.486339	0.447362	Absent	Absent	Present	Present	Present
0.00166476	0.0517341	0.445246	0.501355	Absent	Absent	Present	Present	Present
0.00234394	0.0646267	0.480748	0.452282	Absent	Absent	Present	Present	Present
0.00167232	0.0522671	0.440266	0.505794	Absent	Absent	Present	Present	Present
0.00167123	0.0521572	0.442835	0.503336	Absent	Absent	Present	Present	Present
0.00119237	0.042162	0.404785	0.551861	Absent	Absent	Present	Present	Present
0.00240025	0.065064	0.485982	0.446554	Absent	Absent	Present	Present	Present
0.00171249	0.0526244	0.445037	0.500626	Absent	Absent	Present	Present	Present
0.00171138	0.0525137	0.447633	0.498142	Absent	Absent	Present	Present	Present
0.00122101	0.0424529	0.409152	0.547174	Absent	Absent	Present	Present	Present
0.00171915	0.0530549	0.442616	0.50261	Absent	Absent	Present	Present	Present
0.00122655	0.0428895	0.404678	0.551206	Absent	Absent	Present	Present	Present
0.00122576	0.0427995	0.407001	0.548974	Absent	Absent	Present	Present	Present
8.7453e-4	0.0345842	0.371502	0.593039	Absent	Absent	Present	Present	Present
2.8956e-4	0.0666361	0.489614	0.44346	Absent	Absent	Present	Present	Present
2.0659e-4	0.0536966	0.448262	0.497835	Absent	Absent	Present	Present	Present
2.0646e-4	0.0535858	0.450871	0.495337	Absent	Absent	Present	Present	Present
1.473e-4	0.043178	0.412032	0.544643	Absent	Absent	Present	Present	Present
2.0739e-4	0.0541294	0.445833	0.49983	Absent	Absent	Present	Present	Present
1.4797e-4	0.0436159	0.407539	0.548697	Absent	Absent	Present	Present	Present
1.4787e-4	0.0435259	0.409874	0.546452	Absent	Absent	Present	Present	Present
1.055e-4	0.0350702	0.37406	0.590765	Absent	Absent	Present	Present	Present
2.1238e-4	0.0545249	0.450664	0.494599	Absent	Absent	Present	Present	Present
1.5152e-4	0.0439349	0.411936	0.543977	Absent	Absent	Present	Present	Present
1.5142e-4	0.0438442	0.414295	0.541709	Absent	Absent	Present	Present	Present
1.0804e-4	0.0353269	0.37808	0.586485	Absent	Absent	Present	Present	Present
1.5211e-4	0.0442889	0.40977	0.545789	Absent	Absent	Present	Present	Present
1.0853e-4	0.0356851	0.37404	0.590166	Absent	Absent	Present	Present	Present
1.0846e-4	0.0356115	0.376152	0.588128	Absent	Absent	Present	Present	Present
7.738e-5	0.0286922	0.342862	0.628368	Absent	Absent	Present	Present	Present
0.0324805	0.392701	0.243859	0.33096	Absent	Absent	Present	Present	Present
0.0231737	0.319275	0.261225	0.396326	Absent	Absent	Present	Present	Present
0.0231586	0.318586	0.264933	0.393323	Absent	Absent	Present	Present	Present
0.0165229	0.258724	0.272157	0.452596	Absent	Absent	Present	Present	Present
0.0232638	0.32194	0.256072	0.398724	Absent	Absent	Present	Present	Present
0.0165979	0.261435	0.264497	0.457469	Absent	Absent	Present	Present	Present
0.0165871	0.260874	0.267768	0.454771	Absent	Absent	Present	Present	Present
0.0118343	0.211638	0.268487	0.508041	Absent	Absent	Present	Present	Present
0.0238226	0.323925	0.259816	0.392436	Absent	Absent	Present	Present	Present
0.0169966	0.263086	0.268122	0.451796	Absent	Absent	Present	Present	Present
0.0169856	0.26252	0.271425	0.449069	Absent	Absent	Present	Present	Present
0.0121186	0.213001	0.271985	0.502896	Absent	Absent	Present	Present	Present
0.0170627	0.265273	0.263691	0.453974	Absent	Absent	Present	Present	Present
0.0121736	0.215225	0.265281	0.507321	Absent	Absent	Present	Present	Present
0.0121657	0.214764	0.268199	0.504871	Absent	Absent	Present	Present	Present
0.0086798	0.174094	0.263981	0.553245	Absent	Absent	Present	Present	Present
0.0028739	0.342098	0.265988	0.38904	Absent	Absent	Present	Present	Present
0.00205043	0.275796	0.273422	0.448731	Absent	Absent	Present	Present	Present
0.00204909	0.275226	0.276736	0.44599	Absent	Absent	Present	Present	Present
0.00146196	0.22186	0.27656	0.500117	Absent	Absent	Present	Present	Present
0.0020584	0.278023	0.268997	0.450922	Absent	Absent	Present	Present	Present
0.00146859	0.224114	0.26985	0.504567	Absent	Absent	Present	Present	Present
0.00146764	0.223651	0.272778	0.502103	Absent	Absent	Present	Present	Present
0.00104711	0.180268	0.267937	0.550748	Absent	Absent	Present	Present	Present
0.00210785	0.280038	0.272675	0.445179	Absent	Absent	Present	Present	Present
0.00150387	0.225742	0.273368	0.499386	Absent	Absent	Present	Present	Present
0.0015029	0.225275	0.276326	0.496896	Absent	Absent	Present	Present	Present

0.00107226	0.181579	0.271299	0.54605	Absent	Absent	Present	Present	Present
0.00150972	0.227564	0.269552	0.501375	Absent	Absent	Present	Present	Present
0.00107713	0.183423	0.265409	0.550091	Absent	Absent	Present	Present	Present
0.00107643	0.183044	0.268026	0.547854	Absent	Absent	Present	Present	Present
7.68e-4	0.147526	0.259677	0.592029	Absent	Absent	Present	Present	Present
0.00328687	0.0787003	0.520949	0.397064	Absent	Absent	Present	Present	Present
0.00234507	0.0636889	0.477995	0.455972	Absent	Absent	Present	Present	Present
0.00234354	0.0635545	0.480836	0.453266	Absent	Absent	Present	Present	Present
0.00167204	0.0514035	0.440242	0.506682	Absent	Absent	Present	Present	Present
0.00235418	0.0642109	0.475302	0.458133	Absent	Absent	Present	Present	Present
0.00167963	0.0519332	0.435313	0.511074	Absent	Absent	Present	Present	Present
0.00167853	0.0518239	0.437855	0.508642	Absent	Absent	Present	Present	Present
0.00119758	0.0418943	0.40026	0.556648	Absent	Absent	Present	Present	Present
0.00241074	0.064645	0.480478	0.452466	Absent	Absent	Present	Present	Present
0.00171998	0.052288	0.440031	0.505961	Absent	Absent	Present	Present	Present
0.00171886	0.0521779	0.4426	0.503504	Absent	Absent	Present	Present	Present
0.00122634	0.0421831	0.404579	0.552012	Absent	Absent	Present	Present	Present
0.00172666	0.0527157	0.437634	0.507924	Absent	Absent	Present	Present	Present
0.00123191	0.042617	0.400151	0.556	Absent	Absent	Present	Present	Present
0.00123111	0.0425275	0.402449	0.553792	Absent	Absent	Present	Present	Present
8.7835e-4	0.0343657	0.367369	0.597387	Absent	Absent	Present	Present	Present
2.9083e-4	0.0662296	0.484074	0.449406	Absent	Absent	Present	Present	Present
2.0749e-4	0.0533693	0.443224	0.503199	Absent	Absent	Present	Present	Present
2.0736e-4	0.0532592	0.445805	0.500728	Absent	Absent	Present	Present	Present
1.4794e-4	0.042915	0.407429	0.549508	Absent	Absent	Present	Present	Present
2.083e-4	0.0537995	0.440819	0.505173	Absent	Absent	Present	Present	Present
1.4861e-4	0.0433502	0.402983	0.553518	Absent	Absent	Present	Present	Present
1.4852e-4	0.0432608	0.405293	0.551298	Absent	Absent	Present	Present	Present
1.0596e-4	0.0348567	0.369901	0.595137	Absent	Absent	Present	Present	Present
2.133e-4	0.0541925	0.445596	0.499998	Absent	Absent	Present	Present	Present
1.5218e-4	0.0436673	0.407331	0.548849	Absent	Absent	Present	Present	Present
1.5209e-4	0.0435772	0.409665	0.546605	Absent	Absent	Present	Present	Present
1.0851e-4	0.0351119	0.373877	0.590902	Absent	Absent	Present	Present	Present
1.5278e-4	0.0440191	0.405187	0.550642	Absent	Absent	Present	Present	Present
1.09e-4	0.0354679	0.369879	0.594544	Absent	Absent	Present	Present	Present
1.0893e-4	0.0353947	0.371969	0.592528	Absent	Absent	Present	Present	Present
7.772e-5	0.0285176	0.339066	0.632338	Absent	Absent	Present	Present	Present
0.0231552	0.320645	0.268266	0.387934	Absent	Absent	Present	Present	Present
0.0165204	0.260383	0.275363	0.447733	Absent	Absent	Present	Present	Present
0.0165097	0.259824	0.27868	0.444987	Absent	Absent	Present	Present	Present
0.0117791	0.210785	0.278224	0.499212	Absent	Absent	Present	Present	Present
0.0165846	0.262546	0.270942	0.449928	Absent	Absent	Present	Present	Present
0.0118326	0.212984	0.271513	0.50367	Absent	Absent	Present	Present	Present
0.0118249	0.212529	0.274444	0.501202	Absent	Absent	Present	Present	Present
0.00843662	0.172263	0.269366	0.549935	Absent	Absent	Present	Present	Present
0.016983	0.264205	0.274637	0.444175	Absent	Absent	Present	Present	Present
0.0121168	0.214357	0.275046	0.49848	Absent	Absent	Present	Present	Present
0.0121089	0.213899	0.278007	0.495985	Absent	Absent	Present	Present	Present
0.00863929	0.173392	0.272741	0.545228	Absent	Absent	Present	Present	Present
0.0121639	0.216131	0.271232	0.500472	Absent	Absent	Present	Present	Present
0.00867851	0.175195	0.26685	0.549277	Absent	Absent	Present	Present	Present
0.00867287	0.174822	0.26947	0.547035	Absent	Absent	Present	Present	Present
0.0061878	0.141603	0.260919	0.59129	Absent	Absent	Present	Present	Present
0.00204879	0.276894	0.279989	0.441068	Absent	Absent	Present	Present	Present
0.00146174	0.223204	0.279658	0.495676	Absent	Absent	Present	Present	Present
0.00146079	0.222743	0.282628	0.493168	Absent	Absent	Present	Present	Present
0.00104222	0.179536	0.276736	0.542686	Absent	Absent	Present	Present	Present
0.00146742	0.225006	0.275847	0.49768	Absent	Absent	Present	Present	Present
0.00104695	0.181359	0.270837	0.546757	Absent	Absent	Present	Present	Present
0.00104627	0.180984	0.273467	0.544503	Absent	Absent	Present	Present	Present
7.4648e-4	0.145864	0.264384	0.589006	Absent	Absent	Present	Present	Present
0.00150267	0.226639	0.279431	0.492427	Absent	Absent	Present	Present	Present
0.0010721	0.182678	0.274233	0.542017	Absent	Absent	Present	Present	Present
0.00107141	0.1823	0.276889	0.539739	Absent	Absent	Present	Present	Present
7.6441e-4	0.146927	0.267601	0.584707	Absent	Absent	Present	Present	Present

0.00107627	0.184152	0.270935	0.543837	Absent	Absent	Present	Present	Present
7.6788e-4	0.148418	0.262409	0.588405	Absent	Absent	Present	Present	Present
7.6738e-4	0.148112	0.264763	0.586358	Absent	Absent	Present	Present	Present
5.475e-4	0.119363	0.253319	0.626771	Absent	Absent	Present	Present	Present
0.0023432	0.0639514	0.485296	0.448409	Absent	Absent	Present	Present	Present
0.00167179	0.0517231	0.444305	0.5023	Absent	Absent	Present	Present	Present
0.0016707	0.0516143	0.44689	0.499825	Absent	Absent	Present	Present	Present
0.00119199	0.0417247	0.408391	0.548692	Absent	Absent	Present	Present	Present
0.00167829	0.0521461	0.441898	0.504278	Absent	Absent	Present	Present	Present
0.0011974	0.0421537	0.403939	0.55271	Absent	Absent	Present	Present	Present
0.00119662	0.0420653	0.406253	0.550485	Absent	Absent	Present	Present	Present
8.5375e-4	0.0339902	0.370753	0.594404	Absent	Absent	Present	Present	Present
0.0017186	0.0525024	0.446686	0.499093	Absent	Absent	Present	Present	Present
0.00122616	0.0424445	0.408297	0.548032	Absent	Absent	Present	Present	Present
0.00122537	0.0423554	0.410635	0.545784	Absent	Absent	Present	Present	Present
8.7425e-4	0.0342265	0.374737	0.590162	Absent	Absent	Present	Present	Present
0.00123093	0.042791	0.40615	0.549828	Absent	Absent	Present	Present	Present
8.7822e-4	0.0345778	0.370733	0.59381	Absent	Absent	Present	Present	Present
8.7765e-4	0.0345054	0.372827	0.59179	Absent	Absent	Present	Present	Present
6.2617e-4	0.027872	0.339829	0.631673	Absent	Absent	Present	Present	Present
2.0733e-4	0.0535809	0.449919	0.496293	Absent	Absent	Present	Present	Present
1.4792e-4	0.0431741	0.411172	0.545506	Absent	Absent	Present	Present	Present
1.4782e-4	0.0430851	0.413522	0.543245	Absent	Absent	Present	Present	Present
1.0547e-4	0.0347151	0.377308	0.587871	Absent	Absent	Present	Present	Present
1.485e-4	0.043522	0.409018	0.547312	Absent	Absent	Present	Present	Present
1.0595e-4	0.0350671	0.373287	0.59154	Absent	Absent	Present	Present	Present
1.0588e-4	0.0349948	0.375391	0.589508	Absent	Absent	Present	Present	Present
7.554e-5	0.0281952	0.342115	0.629614	Absent	Absent	Present	Present	Present
1.5206e-4	0.0438403	0.41343	0.542578	Absent	Absent	Present	Present	Present
1.0849e-4	0.0353238	0.377299	0.587268	Absent	Absent	Present	Present	Present
1.0842e-4	0.0352509	0.379425	0.585216	Absent	Absent	Present	Present	Present
7.735e-5	0.0284017	0.34578	0.62574	Absent	Absent	Present	Present	Present
1.0891e-4	0.0356084	0.375375	0.588908	Absent	Absent	Present	Present	Present
7.771e-5	0.0286897	0.34216	0.629072	Absent	Absent	Present	Present	Present
7.766e-5	0.0286305	0.344064	0.627227	Absent	Absent	Present	Present	Present
5.54e-5	0.0230667	0.31323	0.663648	Absent	Absent	Present	Present	Present
1.84264e-4	1.84264e-4	0.999447	1.84264e-4	Absent	Present	Absent	Absent	Absent
0.0669595	0.0848711	0.667977	0.180193	Absent	Present	Absent	Absent	Absent
0.0669159	0.0846021	0.672366	0.176115	Absent	Present	Absent	Absent	Absent
0.0477422	0.0742934	0.621355	0.25661	Absent	Present	Absent	Absent	Absent
0.0672197	0.0858321	0.663498	0.18345	Absent	Present	Absent	Absent	Absent
0.0479589	0.0753119	0.613501	0.263228	Absent	Present	Absent	Absent	Absent
0.0479277	0.0750894	0.617419	0.259564	Absent	Present	Absent	Absent	Absent
0.0341947	0.0648855	0.569015	0.331905	Absent	Present	Absent	Absent	Absent
0.0688345	0.0853453	0.67091	0.174911	Absent	Present	Absent	Absent	Absent
0.049111	0.0750683	0.620298	0.255523	Absent	Present	Absent	Absent	Absent
0.0490791	0.0748447	0.624256	0.25182	Absent	Present	Absent	Absent	Absent
0.0350162	0.0647943	0.575271	0.324918	Absent	Present	Absent	Absent	Absent
0.0493019	0.0758762	0.616341	0.258481	Absent	Present	Absent	Absent	Absent
0.0351752	0.0656456	0.568251	0.330928	Absent	Present	Absent	Absent	Absent
0.0351523	0.0654611	0.571787	0.3276	Absent	Present	Absent	Absent	Absent
0.0250799	0.0559559	0.52567	0.393295	Absent	Present	Absent	Absent	Absent
0.00830402	0.144645	0.676752	0.170299	Absent	Present	Absent	Absent	Absent
0.00592463	0.117263	0.62545	0.251361	Absent	Present	Absent	Absent	Absent
0.00592078	0.117014	0.629427	0.247638	Absent	Present	Absent	Absent	Absent
0.00422426	0.0947895	0.579842	0.321145	Absent	Present	Absent	Absent	Absent
0.00594766	0.118231	0.621485	0.254336	Absent	Present	Absent	Absent	Absent
0.00424344	0.0957726	0.572796	0.327188	Absent	Present	Absent	Absent	Absent
0.00424068	0.0955695	0.576348	0.323842	Absent	Present	Absent	Absent	Absent
0.00302558	0.0773634	0.529708	0.389903	Absent	Present	Absent	Absent	Absent
0.00609053	0.119004	0.628368	0.246538	Absent	Present	Absent	Absent	Absent
0.00434538	0.0964078	0.579095	0.320152	Absent	Present	Absent	Absent	Absent
0.00434256	0.0962033	0.582684	0.316771	Absent	Present	Absent	Absent	Absent
0.00309826	0.0778832	0.535496	0.383523	Absent	Present	Absent	Absent	Absent
0.00436227	0.0972013	0.575583	0.322853	Absent	Present	Absent	Absent	Absent

0.00311233	0.0786889	0.529188	0.389011	Absent	Present	Absent	Absent	Absent
0.00311103	0.0785225	0.532395	0.385972	Absent	Present	Absent	Absent	Absent
0.00221909	0.0635295	0.488288	0.445964	Absent	Present	Absent	Absent	Absent
0.00949729	0.0268531	0.782454	0.181196	Absent	Present	Absent	Absent	Absent
0.00677598	0.0225013	0.709529	0.261194	Absent	Present	Absent	Absent	Absent
0.00677157	0.0224455	0.713264	0.257519	Absent	Present	Absent	Absent	Absent
0.00483128	0.0187007	0.646408	0.33006	Absent	Present	Absent	Absent	Absent
0.00680232	0.0227105	0.706358	0.264129	Absent	Present	Absent	Absent	Absent
0.00485321	0.0189169	0.640205	0.336025	Absent	Present	Absent	Absent	Absent
0.00485006	0.0188712	0.643557	0.332722	Absent	Present	Absent	Absent	Absent
0.00346034	0.0156452	0.582978	0.397916	Absent	Present	Absent	Absent	Absent
0.00696572	0.0227646	0.713836	0.256433	Absent	Present	Absent	Absent	Absent
0.0049698	0.0189755	0.646974	0.329081	Absent	Present	Absent	Absent	Absent
0.00496657	0.0189295	0.65036	0.325744	Absent	Present	Absent	Absent	Absent
0.00354347	0.0157029	0.589134	0.391619	Absent	Present	Absent	Absent	Absent
0.00498912	0.0191488	0.644116	0.331746	Absent	Present	Absent	Absent	Absent
0.00355956	0.0158816	0.583523	0.397036	Absent	Present	Absent	Absent	Absent
0.00355724	0.0158439	0.586562	0.394037	Absent	Present	Absent	Absent	Absent
0.00253797	0.0130881	0.531134	0.45324	Absent	Present	Absent	Absent	Absent
8.4033e-4	0.0286526	0.71823	0.252277	Absent	Present	Absent	Absent	Absent
5.9954e-4	0.0231546	0.650915	0.32533	Absent	Present	Absent	Absent	Absent
5.9915e-4	0.0231062	0.65432	0.321975	Absent	Present	Absent	Absent	Absent
4.2748e-4	0.0186652	0.592689	0.388219	Absent	Present	Absent	Absent	Absent
6.0187e-4	0.0233434	0.648044	0.328011	Absent	Present	Absent	Absent	Absent
4.2942e-4	0.0188565	0.587049	0.393665	Absent	Present	Absent	Absent	Absent
4.2914e-4	0.0188171	0.590104	0.390649	Absent	Present	Absent	Absent	Absent
3.0617e-4	0.0151951	0.534315	0.450184	Absent	Present	Absent	Absent	Absent
6.1633e-4	0.0235054	0.654895	0.320983	Absent	Present	Absent	Absent	Absent
4.3973e-4	0.0189884	0.593248	0.387324	Absent	Present	Absent	Absent	Absent
4.3945e-4	0.0189487	0.596335	0.384277	Absent	Present	Absent	Absent	Absent
3.1353e-4	0.015302	0.539951	0.444434	Absent	Present	Absent	Absent	Absent
4.4144e-4	0.0191429	0.590657	0.389758	Absent	Present	Absent	Absent	Absent
3.1495e-4	0.0154587	0.534847	0.44938	Absent	Present	Absent	Absent	Absent
3.1475e-4	0.0154264	0.537618	0.446641	Absent	Present	Absent	Absent	Absent
2.2456e-4	0.0124537	0.486617	0.500705	Absent	Present	Absent	Absent	Absent
0.066906	0.0855236	0.678774	0.168797	Absent	Present	Absent	Absent	Absent
0.0477351	0.0750346	0.627224	0.250006	Absent	Present	Absent	Absent	Absent
0.0477041	0.074813	0.631207	0.246276	Absent	Present	Absent	Absent	Absent
0.0340352	0.0646424	0.581407	0.319916	Absent	Present	Absent	Absent	Absent
0.0479206	0.0758366	0.623257	0.252986	Absent	Present	Absent	Absent	Absent
0.0341897	0.0654867	0.574354	0.32597	Absent	Present	Absent	Absent	Absent
0.0341675	0.0653038	0.577911	0.322618	Absent	Present	Absent	Absent	Absent
0.0243773	0.0557387	0.531085	0.388799	Absent	Present	Absent	Absent	Absent
0.0490718	0.0755975	0.630157	0.245174	Absent	Present	Absent	Absent	Absent
0.035011	0.0654	0.580668	0.318921	Absent	Present	Absent	Absent	Absent
0.0349882	0.0652161	0.584262	0.315534	Absent	Present	Absent	Absent	Absent
0.0249629	0.0557436	0.536887	0.382407	Absent	Present	Absent	Absent	Absent
0.0351471	0.0660715	0.577154	0.321627	Absent	Present	Absent	Absent	Absent
0.0250762	0.0564472	0.530572	0.387905	Absent	Present	Absent	Absent	Absent
0.0250599	0.0562957	0.533784	0.384861	Absent	Present	Absent	Absent	Absent
0.0178794	0.047646	0.489514	0.444961	Absent	Present	Absent	Absent	Absent
0.0059199	0.117754	0.635371	0.240955	Absent	Present	Absent	Absent	Absent
0.00422364	0.0953858	0.585276	0.315114	Absent	Present	Absent	Absent	Absent
0.00422089	0.0951836	0.588888	0.311708	Absent	Present	Absent	Absent	Absent
0.00301146	0.0770508	0.540983	0.378955	Absent	Present	Absent	Absent	Absent
0.00424006	0.0961706	0.581754	0.317835	Absent	Present	Absent	Absent	Absent
0.00302513	0.0778475	0.534644	0.384484	Absent	Present	Absent	Absent	Absent
0.00302316	0.0776831	0.537871	0.381422	Absent	Present	Absent	Absent	Absent
0.00215692	0.0628454	0.49314	0.441858	Absent	Present	Absent	Absent	Absent
0.00434191	0.0968088	0.588148	0.310701	Absent	Present	Absent	Absent	Absent
0.0030978	0.0783709	0.540485	0.378047	Absent	Present	Absent	Absent	Absent
0.00309579	0.0782052	0.543746	0.374953	Absent	Present	Absent	Absent	Absent
0.00220874	0.0632726	0.498498	0.436021	Absent	Present	Absent	Absent	Absent
0.00310984	0.0790141	0.537358	0.380518	Absent	Present	Absent	Absent	Absent
0.00221876	0.0639254	0.492814	0.441042	Absent	Present	Absent	Absent	Absent

0.00221732	0.0637908	0.49573	0.438262	Absent	Present	Absent	Absent	Absent
0.00158198	0.0515822	0.453692	0.493144	Absent	Present	Absent	Absent	Absent
0.00677057	0.0226222	0.719684	0.250924	Absent	Present	Absent	Absent	Absent
0.00483056	0.018843	0.652217	0.324109	Absent	Present	Absent	Absent	Absent
0.00482742	0.0187974	0.655628	0.320747	Absent	Present	Absent	Absent	Absent
0.0034442	0.0155837	0.593861	0.387111	Absent	Present	Absent	Absent	Absent
0.00484934	0.0190146	0.649342	0.326795	Absent	Present	Absent	Absent	Absent
0.00345983	0.0157606	0.588212	0.392567	Absent	Present	Absent	Absent	Absent
0.00345758	0.0157233	0.591273	0.389546	Absent	Present	Absent	Absent	Absent
0.00246686	0.0129818	0.535363	0.449188	Absent	Present	Absent	Absent	Absent
0.00496583	0.019074	0.656206	0.319754	Absent	Present	Absent	Absent	Absent
0.00354295	0.0158192	0.594423	0.386215	Absent	Present	Absent	Absent	Absent
0.00354064	0.0157816	0.597516	0.383162	Absent	Present	Absent	Absent	Absent
0.00252612	0.0130364	0.541009	0.443428	Absent	Present	Absent	Absent	Absent
0.00355672	0.0159611	0.591829	0.388654	Absent	Present	Absent	Absent	Absent
0.00253759	0.0131825	0.535897	0.448383	Absent	Present	Absent	Absent	Absent
0.00253594	0.0131518	0.538673	0.445639	Absent	Present	Absent	Absent	Absent
0.00180931	0.0108259	0.487564	0.499801	Absent	Present	Absent	Absent	Absent
5.9907e-4	0.0232489	0.6602	0.315952	Absent	Present	Absent	Absent	Absent
4.2741e-4	0.0187801	0.598008	0.382784	Absent	Present	Absent	Absent	Absent
4.2713e-4	0.0187409	0.601118	0.379714	Absent	Present	Absent	Absent	Absent
3.0475e-4	0.0151336	0.544245	0.440317	Absent	Present	Absent	Absent	Absent
4.2907e-4	0.018933	0.595402	0.385236	Absent	Present	Absent	Absent	Absent
3.0613e-4	0.0152884	0.539106	0.4453	Absent	Present	Absent	Absent	Absent
3.0593e-4	0.0152566	0.541897	0.442541	Absent	Present	Absent	Absent	Absent
2.1827e-4	0.012316	0.490461	0.497005	Absent	Present	Absent	Absent	Absent
4.3938e-4	0.0190654	0.601688	0.378807	Absent	Present	Absent	Absent	Absent
3.1348e-4	0.015396	0.544792	0.439499	Absent	Present	Absent	Absent	Absent
3.1328e-4	0.0153639	0.547612	0.436711	Absent	Present	Absent	Absent	Absent
2.2351e-4	0.0124032	0.495629	0.491745	Absent	Present	Absent	Absent	Absent
3.147e-4	0.0155212	0.542439	0.441725	Absent	Present	Absent	Absent	Absent
2.2453e-4	0.01253	0.490976	0.496269	Absent	Present	Absent	Absent	Absent
2.2438e-4	0.0125039	0.493508	0.493764	Absent	Present	Absent	Absent	Absent
1.6009e-4	0.0100915	0.446525	0.543224	Absent	Present	Absent	Absent	Absent
0.0671983	0.0843084	0.670817	0.177676	Absent	Present	Absent	Absent	Absent
0.0479436	0.0740827	0.619955	0.258018	Absent	Present	Absent	Absent	Absent
0.0479125	0.0738627	0.623897	0.254328	Absent	Present	Absent	Absent	Absent
0.0341838	0.0638962	0.574739	0.327181	Absent	Present	Absent	Absent	Absent
0.04813	0.0748779	0.616026	0.260967	Absent	Present	Absent	Absent	Absent
0.034339	0.0647338	0.567756	0.333171	Absent	Present	Absent	Absent	Absent
0.0343167	0.0645522	0.571277	0.329854	Absent	Present	Absent	Absent	Absent
0.0244838	0.0551471	0.525041	0.395328	Absent	Present	Absent	Absent	Absent
0.0492862	0.0746282	0.622848	0.253238	Absent	Present	Absent	Absent	Absent
0.0351639	0.064639	0.574	0.326197	Absent	Present	Absent	Absent	Absent
0.0351411	0.0644565	0.577556	0.322846	Absent	Present	Absent	Absent	Absent
0.0250719	0.0551458	0.530778	0.389005	Absent	Present	Absent	Absent	Absent
0.0353006	0.0653051	0.57052	0.328874	Absent	Present	Absent	Absent	Absent
0.0251858	0.055844	0.524526	0.394444	Absent	Present	Absent	Absent	Absent
0.0251694	0.0556936	0.527705	0.391432	Absent	Present	Absent	Absent	Absent
0.0179575	0.0471711	0.483981	0.45089	Absent	Present	Absent	Absent	Absent
0.00594576	0.11698	0.628011	0.249064	Absent	Present	Absent	Absent	Absent
0.00424209	0.0947642	0.578563	0.322431	Absent	Present	Absent	Absent	Absent
0.00423933	0.0945633	0.582137	0.319061	Absent	Present	Absent	Absent	Absent
0.00302461	0.0765528	0.534833	0.38559	Absent	Present	Absent	Absent	Absent
0.00425858	0.0955441	0.575074	0.325123	Absent	Present	Absent	Absent	Absent
0.00303835	0.0773446	0.528558	0.391059	Absent	Present	Absent	Absent	Absent
0.00303637	0.0771812	0.531752	0.388031	Absent	Present	Absent	Absent	Absent
0.00216634	0.0624424	0.487571	0.447821	Absent	Present	Absent	Absent	Absent
0.00436088	0.0961774	0.581397	0.318065	Absent	Present	Absent	Absent	Absent
0.00311133	0.077864	0.534334	0.384691	Absent	Present	Absent	Absent	Absent
0.00310931	0.0776994	0.537561	0.381631	Absent	Present	Absent	Absent	Absent
0.00221838	0.0628665	0.492869	0.442046	Absent	Present	Absent	Absent	Absent
0.00312343	0.0785033	0.531237	0.387136	Absent	Present	Absent	Absent	Absent
0.00222846	0.0635152	0.487243	0.447013	Absent	Present	Absent	Absent	Absent
0.00222701	0.0633814	0.490129	0.444263	Absent	Present	Absent	Absent	Absent

0.00158889	0.0512533	0.448599	0.498559	Absent	Present	Absent	Absent	Absent
0.00680015	0.0224147	0.711859	0.258926	Absent	Present	Absent	Absent	Absent
0.00485167	0.0186785	0.64514	0.33133	Absent	Present	Absent	Absent	Absent
0.00484851	0.0186332	0.648514	0.328004	Absent	Present	Absent	Absent	Absent
0.00345924	0.0154534	0.587429	0.393659	Absent	Present	Absent	Absent	Absent
0.00487052	0.0188489	0.642294	0.333987	Absent	Present	Absent	Absent	Absent
0.00347495	0.0156291	0.581839	0.399057	Absent	Present	Absent	Absent	Absent
0.00347269	0.0155921	0.584867	0.396068	Absent	Present	Absent	Absent	Absent
0.00247764	0.0128775	0.529572	0.455073	Absent	Present	Absent	Absent	Absent
0.00498753	0.0189067	0.649084	0.327021	Absent	Present	Absent	Absent	Absent
0.00355842	0.0156865	0.587983	0.392772	Absent	Present	Absent	Absent	Absent
0.00355611	0.0156492	0.591043	0.389752	Absent	Present	Absent	Absent	Absent
0.00253716	0.0129311	0.535158	0.449374	Absent	Present	Absent	Absent	Absent
0.00357226	0.0158274	0.585415	0.395185	Absent	Present	Absent	Absent	Absent
0.00254868	0.0130762	0.530099	0.454276	Absent	Present	Absent	Absent	Absent
0.00254702	0.0130457	0.532846	0.451562	Absent	Present	Absent	Absent	Absent
0.00181721	0.0107414	0.482297	0.505145	Absent	Present	Absent	Absent	Absent
6.0168e-4	0.0231018	0.653037	0.32326	Absent	Present	Absent	Absent	Absent
4.2928e-4	0.018662	0.591531	0.389378	Absent	Present	Absent	Absent	Absent
4.29e-4	0.018623	0.594607	0.386341	Absent	Present	Absent	Absent	Absent
3.0608e-4	0.0150387	0.538359	0.446296	Absent	Present	Absent	Absent	Absent
4.3095e-4	0.0188139	0.588951	0.391804	Absent	Present	Absent	Absent	Absent
3.0747e-4	0.0151927	0.533274	0.451225	Absent	Present	Absent	Absent	Absent
3.0727e-4	0.015161	0.536036	0.448496	Absent	Present	Absent	Absent	Absent
2.1922e-4	0.0122392	0.485163	0.502379	Absent	Present	Absent	Absent	Absent
4.413e-4	0.0189454	0.59517	0.385444	Absent	Present	Absent	Absent	Absent
3.1485e-4	0.0152995	0.538899	0.445486	Absent	Present	Absent	Absent	Absent
3.1465e-4	0.0152676	0.541689	0.442728	Absent	Present	Absent	Absent	Absent
2.2449e-4	0.0123257	0.490275	0.497175	Absent	Present	Absent	Absent	Absent
3.1608e-4	0.0154239	0.53657	0.44769	Absent	Present	Absent	Absent	Absent
2.2551e-4	0.0124518	0.485672	0.501651	Absent	Present	Absent	Absent	Absent
2.2536e-4	0.0124258	0.488176	0.499172	Absent	Present	Absent	Absent	Absent
1.6079e-4	0.0100287	0.441707	0.548104	Absent	Present	Absent	Absent	Absent
0.0479054	0.0746025	0.629788	0.247704	Absent	Present	Absent	Absent	Absent
0.0341788	0.0644913	0.580126	0.321204	Absent	Present	Absent	Absent	Absent
0.0341566	0.0643105	0.583705	0.317828	Absent	Present	Absent	Absent	Absent
0.0243695	0.0549377	0.536216	0.384477	Absent	Present	Absent	Absent	Absent
0.0343116	0.0651521	0.576635	0.323901	Absent	Present	Absent	Absent	Absent
0.0244801	0.0556298	0.529933	0.389957	Absent	Present	Absent	Absent	Absent
0.0244642	0.0554809	0.533132	0.386923	Absent	Present	Absent	Absent	Absent
0.0174544	0.0469349	0.48879	0.446821	Absent	Present	Absent	Absent	Absent
0.0351359	0.0650609	0.582973	0.316831	Absent	Present	Absent	Absent	Absent
0.0250682	0.0556322	0.535723	0.383577	Absent	Present	Absent	Absent	Absent
0.0250519	0.0554824	0.538954	0.380511	Absent	Present	Absent	Absent	Absent
0.0178737	0.0469902	0.4941	0.441036	Absent	Present	Absent	Absent	Absent
0.0251657	0.0561838	0.532624	0.386026	Absent	Present	Absent	Absent	Absent
0.0179548	0.0475656	0.488467	0.446012	Absent	Present	Absent	Absent	Absent
0.0179431	0.0474424	0.491358	0.443257	Absent	Present	Absent	Absent	Absent
0.0128018	0.039861	0.449686	0.497651	Absent	Present	Absent	Absent	Absent
0.00423871	0.0951583	0.587591	0.313012	Absent	Present	Absent	Absent	Absent
0.00302417	0.0770321	0.539812	0.380132	Absent	Present	Absent	Absent	Absent
0.0030222	0.0768693	0.54306	0.377048	Absent	Present	Absent	Absent	Absent
0.00215623	0.0621899	0.497742	0.437912	Absent	Present	Absent	Absent	Absent
0.00303592	0.0776642	0.536706	0.382594	Absent	Present	Absent	Absent	Absent
0.00216602	0.0628314	0.492087	0.442915	Absent	Present	Absent	Absent	Absent
0.00216461	0.062699	0.494992	0.440145	Absent	Present	Absent	Absent	Absent
0.00154438	0.050698	0.452914	0.494843	Absent	Present	Absent	Absent	Absent
0.00310885	0.0781861	0.542568	0.376137	Absent	Present	Absent	Absent	Absent
0.00221806	0.0632584	0.497434	0.43709	Absent	Present	Absent	Absent	Absent
0.00221661	0.0631251	0.500368	0.43429	Absent	Present	Absent	Absent	Absent
0.00158148	0.051046	0.457812	0.48956	Absent	Present	Absent	Absent	Absent
0.00222668	0.0637764	0.494671	0.439326	Absent	Present	Absent	Absent	Absent
0.00158866	0.0515715	0.452735	0.494105	Absent	Present	Absent	Absent	Absent
0.00158762	0.0514631	0.455361	0.491588	Absent	Present	Absent	Absent	Absent
0.00113271	0.0415953	0.416011	0.541261	Absent	Present	Absent	Absent	Absent

0.00484779	0.0187752	0.654342	0.322035	Absent	Present	Absent	Absent	Absent
0.00345873	0.0155677	0.592701	0.388272	Absent	Present	Absent	Absent	Absent
0.00345648	0.0155308	0.595783	0.38523	Absent	Present	Absent	Absent	Absent
0.00246608	0.0128266	0.539414	0.445294	Absent	Present	Absent	Absent	Absent
0.00347217	0.0157073	0.590118	0.390703	Absent	Present	Absent	Absent	Absent
0.00247727	0.0129702	0.53432	0.450232	Absent	Present	Absent	Absent	Absent
0.00247566	0.0129401	0.537087	0.447498	Absent	Present	Absent	Absent	Absent
0.0017663	0.0106498	0.486106	0.501478	Absent	Present	Absent	Absent	Absent
0.00355558	0.0157652	0.596348	0.384331	Absent	Present	Absent	Absent	Absent
0.00253678	0.0130246	0.539956	0.444483	Absent	Present	Absent	Absent	Absent
0.00253513	0.0129942	0.542751	0.44172	Absent	Present	Absent	Absent	Absent
0.00180873	0.0106989	0.491228	0.496264	Absent	Present	Absent	Absent	Absent
0.00254664	0.0131399	0.537624	0.44669	Absent	Present	Absent	Absent	Absent
0.00181694	0.0108173	0.486617	0.500749	Absent	Present	Absent	Absent	Absent
0.00181576	0.0107925	0.489126	0.498266	Absent	Present	Absent	Absent	Absent
0.00129548	0.00885941	0.442559	0.547286	Absent	Present	Absent	Absent	Absent
4.2894e-4	0.0187377	0.599944	0.38089	Absent	Present	Absent	Absent	Absent
3.0603e-4	0.0151311	0.543185	0.441377	Absent	Present	Absent	Absent	Absent
3.0583e-4	0.0150995	0.545996	0.438599	Absent	Present	Absent	Absent	Absent
2.182e-4	0.0121896	0.494144	0.493448	Absent	Present	Absent	Absent	Absent
3.0722e-4	0.0152541	0.540842	0.443597	Absent	Present	Absent	Absent	Absent
2.1919e-4	0.0123142	0.489509	0.497958	Absent	Present	Absent	Absent	Absent
2.1905e-4	0.0122885	0.492031	0.495461	Absent	Present	Absent	Absent	Absent
1.5628e-4	0.00991755	0.445171	0.544755	Absent	Present	Absent	Absent	Absent
3.146e-4	0.0153614	0.546546	0.437778	Absent	Present	Absent	Absent	Absent
2.2446e-4	0.0124013	0.494666	0.492708	Absent	Present	Absent	Absent	Absent
2.2431e-4	0.0123754	0.497216	0.490185	Absent	Present	Absent	Absent	Absent
1.6004e-4	0.00998804	0.449858	0.539994	Absent	Present	Absent	Absent	Absent
2.2533e-4	0.012502	0.492549	0.494723	Absent	Present	Absent	Absent	Absent
1.6076e-4	0.01009	0.44566	0.544089	Absent	Present	Absent	Absent	Absent
1.6066e-4	0.010069	0.447948	0.541822	Absent	Present	Absent	Absent	Absent
1.1463e-4	0.00812457	0.405174	0.586586	Absent	Present	Absent	Absent	Absent
0.0664177	0.0865283	0.677647	0.169407	Absent	Present	Absent	Absent	Present
0.0473867	0.0757989	0.626257	0.250557	Absent	Present	Absent	Absent	Present
0.0473559	0.0755762	0.630238	0.246829	Absent	Present	Absent	Absent	Present
0.0337868	0.065225	0.580573	0.320415	Absent	Present	Absent	Absent	Present
0.0475709	0.0766056	0.622289	0.253535	Absent	Present	Absent	Absent	Present
0.0339402	0.0660739	0.573521	0.326465	Absent	Present	Absent	Absent	Present
0.0339181	0.0658901	0.577077	0.323115	Absent	Present	Absent	Absent	Present
0.0241994	0.056188	0.530365	0.389248	Absent	Present	Absent	Absent	Present
0.0487137	0.076378	0.62918	0.245728	Absent	Present	Absent	Absent	Present
0.0347555	0.0659957	0.579827	0.319421	Absent	Present	Absent	Absent	Present
0.0347329	0.0658109	0.58342	0.316036	Absent	Present	Absent	Absent	Present
0.0247807	0.0561992	0.53616	0.38286	Absent	Present	Absent	Absent	Present
0.0348906	0.0666709	0.576313	0.322125	Absent	Present	Absent	Absent	Present
0.0248932	0.0569064	0.529846	0.388355	Absent	Present	Absent	Absent	Present
0.024877	0.0567542	0.533056	0.385312	Absent	Present	Absent	Absent	Present
0.0177489	0.0479984	0.488885	0.445368	Absent	Present	Absent	Absent	Present
0.00587669	0.118216	0.634395	0.241512	Absent	Present	Absent	Absent	Present
0.00419281	0.0957541	0.584436	0.315617	Absent	Present	Absent	Absent	Present
0.00419009	0.0955511	0.588046	0.312213	Absent	Present	Absent	Absent	Present
0.00298948	0.077344	0.540256	0.379411	Absent	Present	Absent	Absent	Present
0.00420911	0.0965417	0.580913	0.318336	Absent	Present	Absent	Absent	Present
0.00300305	0.0781436	0.533918	0.384936	Absent	Present	Absent	Absent	Present
0.0030011	0.0779785	0.537144	0.381876	Absent	Present	Absent	Absent	Present
0.00214118	0.0630813	0.49251	0.442268	Absent	Present	Absent	Absent	Present
0.00431022	0.0971832	0.587299	0.311207	Absent	Present	Absent	Absent	Present
0.00307519	0.0786695	0.539752	0.378503	Absent	Present	Absent	Absent	Present
0.00307319	0.0785032	0.543011	0.375412	Absent	Present	Absent	Absent	Present
0.00219261	0.0635106	0.497862	0.436435	Absent	Present	Absent	Absent	Present
0.00308715	0.079315	0.536625	0.380973	Absent	Present	Absent	Absent	Present
0.00220257	0.0641657	0.49218	0.441452	Absent	Present	Absent	Absent	Present
0.00220114	0.0640305	0.495094	0.438674	Absent	Present	Absent	Absent	Present
0.00157043	0.0517738	0.453139	0.493516	Absent	Present	Absent	Absent	Present
0.00672116	0.0227712	0.719034	0.251473	Absent	Present	Absent	Absent	Present

0.00479531	0.0189584	0.651641	0.324605	Absent	Present	Absent	Absent	Present
0.00479219	0.0189126	0.655049	0.321246	Absent	Present	Absent	Absent	Present
0.00341906	0.0156733	0.593346	0.387561	Absent	Present	Absent	Absent	Present
0.00481395	0.0191308	0.648766	0.327289	Absent	Present	Absent	Absent	Present
0.00343458	0.015851	0.587701	0.393014	Absent	Present	Absent	Absent	Present
0.00343235	0.0158135	0.59076	0.389995	Absent	Present	Absent	Absent	Present
0.00244886	0.0130521	0.534906	0.449593	Absent	Present	Absent	Absent	Present
0.00492959	0.0191917	0.655625	0.320254	Absent	Present	Absent	Absent	Present
0.00351709	0.0159106	0.593907	0.386666	Absent	Present	Absent	Absent	Present
0.0035148	0.0158729	0.596997	0.383615	Absent	Present	Absent	Absent	Present
0.00250769	0.0131076	0.540548	0.443837	Absent	Present	Absent	Absent	Present
0.00353076	0.0160532	0.591313	0.389103	Absent	Present	Absent	Absent	Present
0.00251907	0.0132542	0.535439	0.448788	Absent	Present	Absent	Absent	Present
0.00251743	0.0132234	0.538213	0.446046	Absent	Present	Absent	Absent	Present
0.0017961	0.0108819	0.487154	0.500168	Absent	Present	Absent	Absent	Present
5.9469e-4	0.023334	0.659617	0.316454	Absent	Present	Absent	Absent	Present
4.2429e-4	0.0188483	0.59749	0.383237	Absent	Present	Absent	Absent	Present
4.2402e-4	0.0188089	0.600597	0.38017	Absent	Present	Absent	Absent	Present
3.0252e-4	0.0151881	0.543782	0.440728	Absent	Present	Absent	Absent	Present
4.2594e-4	0.0190017	0.594885	0.385688	Absent	Present	Absent	Absent	Present
3.0389e-4	0.0153435	0.538646	0.445707	Absent	Present	Absent	Absent	Present
3.037e-4	0.0153115	0.541435	0.44295	Absent	Present	Absent	Absent	Present
2.1668e-4	0.0123601	0.490049	0.497374	Absent	Present	Absent	Absent	Present
4.3617e-4	0.0191347	0.601166	0.379263	Absent	Present	Absent	Absent	Present
3.1119e-4	0.0154515	0.544327	0.43991	Absent	Present	Absent	Absent	Present
3.1099e-4	0.0154193	0.547145	0.437124	Absent	Present	Absent	Absent	Present
2.2188e-4	0.0124476	0.495213	0.492118	Absent	Present	Absent	Absent	Present
3.124e-4	0.0155771	0.541975	0.442135	Absent	Present	Absent	Absent	Present
2.2289e-4	0.0125748	0.490563	0.496639	Absent	Present	Absent	Absent	Present
2.2274e-4	0.0125486	0.493093	0.494136	Absent	Present	Absent	Absent	Present
1.5892e-4	0.0101274	0.446154	0.543559	Absent	Present	Absent	Absent	Present
0.0473489	0.0763228	0.63619	0.240139	Absent	Present	Absent	Absent	Present
0.0337818	0.0658257	0.586014	0.314378	Absent	Present	Absent	Absent	Present
0.0337598	0.0656427	0.589629	0.310968	Absent	Present	Absent	Absent	Present
0.0240864	0.0559742	0.541652	0.378287	Absent	Present	Absent	Absent	Present
0.0339131	0.0664956	0.582489	0.317102	Absent	Present	Absent	Absent	Present
0.0241958	0.0566753	0.535307	0.383822	Absent	Present	Absent	Absent	Present
0.02418	0.0565246	0.538538	0.380758	Absent	Present	Absent	Absent	Present
0.0172516	0.0477494	0.493741	0.441258	Absent	Present	Absent	Absent	Present
0.0347277	0.0664209	0.588891	0.309961	Absent	Present	Absent	Absent	Present
0.024777	0.05669	0.541155	0.377378	Absent	Present	Absent	Absent	Present
0.0247609	0.0565385	0.544419	0.374281	Absent	Present	Absent	Absent	Present
0.017666	0.047814	0.499105	0.435415	Absent	Present	Absent	Absent	Present
0.0248733	0.057249	0.538026	0.379852	Absent	Present	Absent	Absent	Present
0.0177462	0.0483966	0.493416	0.440441	Absent	Present	Absent	Absent	Present
0.0177347	0.0482721	0.496335	0.437658	Absent	Present	Absent	Absent	Present
0.0126531	0.04051	0.454237	0.492599	Absent	Present	Absent	Absent	Present
0.00418947	0.0961518	0.593555	0.306103	Absent	Present	Absent	Absent	Present
0.00298904	0.0778277	0.545285	0.373898	Absent	Present	Absent	Absent	Present
0.00298709	0.0776634	0.548566	0.370784	Absent	Present	Absent	Absent	Present
0.00213119	0.0628262	0.502784	0.432259	Absent	Present	Absent	Absent	Present
0.00300066	0.0784661	0.542148	0.376386	Absent	Present	Absent	Absent	Present
0.00214086	0.063474	0.497072	0.437313	Absent	Present	Absent	Absent	Present
0.00213947	0.0633404	0.500005	0.434515	Absent	Present	Absent	Absent	Present
0.00152644	0.0512123	0.457498	0.489763	Absent	Present	Absent	Absent	Present
0.00307274	0.0789945	0.548069	0.369864	Absent	Present	Absent	Absent	Present
0.00219229	0.0639062	0.502473	0.431429	Absent	Present	Absent	Absent	Present
0.00219087	0.0637716	0.505437	0.428601	Absent	Present	Absent	Absent	Present
0.0015631	0.0515643	0.462445	0.484427	Absent	Present	Absent	Absent	Present
0.00220081	0.0644293	0.499682	0.433688	Absent	Present	Absent	Absent	Present
0.0015702	0.052095	0.457318	0.489017	Absent	Present	Absent	Absent	Present
0.00156918	0.0519856	0.45997	0.486476	Absent	Present	Absent	Absent	Present
0.00111956	0.0420144	0.420218	0.536648	Absent	Present	Absent	Absent	Present
0.00479148	0.019056	0.660936	0.315217	Absent	Present	Absent	Absent	Present
0.00341855	0.0157886	0.598672	0.382121	Absent	Present	Absent	Absent	Present

0.00341633	0.0157513	0.601785	0.379048	Absent	Present	Absent	Absent	Present
0.00243743	0.0130006	0.544847	0.439715	Absent	Present	Absent	Absent	Present
0.00343184	0.0159298	0.596062	0.384576	Absent	Present	Absent	Absent	Present
0.0024485	0.0131458	0.539702	0.444703	Absent	Present	Absent	Absent	Present
0.00244691	0.0131153	0.542496	0.441942	Absent	Present	Absent	Absent	Present
0.00174578	0.0107883	0.491001	0.496464	Absent	Present	Absent	Absent	Present
0.00351428	0.0159901	0.602356	0.37814	Absent	Present	Absent	Absent	Present
0.00250732	0.0132019	0.545395	0.438896	Absent	Present	Absent	Absent	Present
0.00250569	0.0131712	0.548218	0.436105	Absent	Present	Absent	Absent	Present
0.00178772	0.0108387	0.496175	0.491199	Absent	Present	Absent	Absent	Present
0.00251706	0.0133185	0.543039	0.441126	Absent	Present	Absent	Absent	Present
0.00179583	0.0109584	0.491518	0.495728	Absent	Present	Absent	Absent	Present
0.00179467	0.0109333	0.494052	0.49322	Absent	Present	Absent	Absent	Present
0.00128043	0.00897093	0.447015	0.542733	Absent	Present	Absent	Absent	Present
4.2395e-4	0.0189247	0.605988	0.374664	Absent	Present	Absent	Absent	Present
3.0248e-4	0.0152813	0.548657	0.43576	Absent	Present	Absent	Absent	Present
3.0228e-4	0.0152494	0.551495	0.432953	Absent	Present	Absent	Absent	Present
2.1567e-4	0.01231	0.49912	0.488355	Absent	Present	Absent	Absent	Present
3.0365e-4	0.0154055	0.546289	0.438002	Absent	Present	Absent	Absent	Present
2.1664e-4	0.0124358	0.494438	0.492909	Absent	Present	Absent	Absent	Present
2.165e-4	0.0124099	0.496986	0.490387	Absent	Present	Absent	Absent	Present
1.5447e-4	0.0100151	0.449653	0.540177	Absent	Present	Absent	Absent	Present
3.1095e-4	0.015514	0.552051	0.432124	Absent	Present	Absent	Absent	Present
2.2185e-4	0.0125238	0.499648	0.487606	Absent	Present	Absent	Absent	Present
2.2171e-4	0.0124978	0.502223	0.485058	Absent	Present	Absent	Absent	Present
1.5818e-4	0.0100863	0.454387	0.535368	Absent	Present	Absent	Absent	Present
2.2271e-4	0.0126255	0.49751	0.489642	Absent	Present	Absent	Absent	Present
1.589e-4	0.0101893	0.450147	0.539505	Absent	Present	Absent	Absent	Present
1.5879e-4	0.0101681	0.452459	0.537214	Absent	Present	Absent	Absent	Present
1.1329e-4	0.00820417	0.409254	0.582429	Absent	Present	Absent	Absent	Present
0.0475557	0.0753671	0.628821	0.248257	Absent	Present	Absent	Absent	Present
0.0339293	0.065075	0.579293	0.321703	Absent	Present	Absent	Absent	Present
0.0339073	0.0648933	0.58287	0.318329	Absent	Present	Absent	Absent	Present
0.0241916	0.0553842	0.535495	0.384929	Absent	Present	Absent	Absent	Present
0.0340612	0.0657395	0.575802	0.324398	Absent	Present	Absent	Absent	Present
0.0243015	0.0560799	0.529214	0.390405	Absent	Present	Absent	Absent	Present
0.0242857	0.0559302	0.532411	0.387373	Absent	Present	Absent	Absent	Present
0.017327	0.0472804	0.488165	0.447227	Absent	Present	Absent	Absent	Present
0.0348794	0.0656568	0.582131	0.317332	Absent	Present	Absent	Absent	Present
0.0248853	0.0560885	0.534997	0.38403	Absent	Present	Absent	Absent	Present
0.0248691	0.055938	0.538227	0.380966	Absent	Present	Absent	Absent	Present
0.0177432	0.0473404	0.49347	0.441446	Absent	Present	Absent	Absent	Present
0.024982	0.0566431	0.531898	0.386477	Absent	Present	Absent	Absent	Present
0.0178238	0.0479186	0.487839	0.446419	Absent	Present	Absent	Absent	Present
0.0178122	0.0477949	0.490727	0.443666	Absent	Present	Absent	Absent	Present
0.0127084	0.0401328	0.449139	0.49802	Absent	Present	Absent	Absent	Present
0.00420777	0.095526	0.58675	0.313516	Absent	Present	Absent	Absent	Present
0.00300209	0.0773253	0.539086	0.380587	Absent	Present	Absent	Absent	Present
0.00300014	0.077162	0.542332	0.377506	Absent	Present	Absent	Absent	Present
0.0021405	0.0624236	0.497112	0.438324	Absent	Present	Absent	Absent	Present
0.00301376	0.0779598	0.535979	0.383048	Absent	Present	Absent	Absent	Present
0.00215021	0.0630674	0.491458	0.443325	Absent	Present	Absent	Absent	Present
0.00214882	0.0629346	0.494361	0.440556	Absent	Present	Absent	Absent	Present
0.0015331	0.0508863	0.452366	0.495214	Absent	Present	Absent	Absent	Present
0.00308616	0.0784841	0.541834	0.376596	Absent	Present	Absent	Absent	Present
0.00220187	0.0634964	0.496799	0.437503	Absent	Present	Absent	Absent	Present
0.00220044	0.0633626	0.499732	0.434705	Absent	Present	Absent	Absent	Present
0.00156993	0.0512358	0.457259	0.489935	Absent	Present	Absent	Absent	Present
0.00221043	0.0640163	0.494036	0.439738	Absent	Present	Absent	Absent	Present
0.00157706	0.0517632	0.452184	0.494476	Absent	Present	Absent	Absent	Present
0.00157604	0.0516544	0.454808	0.491962	Absent	Present	Absent	Absent	Present
0.00112445	0.0417483	0.415529	0.541598	Absent	Present	Absent	Absent	Present
0.00481241	0.0188906	0.653764	0.322532	Absent	Present	Absent	Absent	Present
0.00343349	0.0156574	0.592187	0.388722	Absent	Present	Absent	Absent	Present
0.00343125	0.0156203	0.595267	0.385682	Absent	Present	Absent	Absent	Present

0.00244808	0.0128964	0.538954	0.445701	Absent	Present	Absent	Absent	Present
0.00344683	0.0157976	0.589605	0.391151	Absent	Present	Absent	Absent	Present
0.00245919	0.0130406	0.533864	0.450636	Absent	Present	Absent	Absent	Present
0.00245759	0.0130103	0.536629	0.447903	Absent	Present	Absent	Absent	Present
0.00175341	0.0107048	0.485698	0.501844	Absent	Present	Absent	Absent	Present
0.00352963	0.0158566	0.595831	0.384783	Absent	Present	Absent	Absent	Present
0.00251827	0.0130958	0.539495	0.44489	Absent	Present	Absent	Absent	Present
0.00251663	0.0130653	0.542288	0.44213	Absent	Present	Absent	Absent	Present
0.00179553	0.0107545	0.490816	0.496634	Absent	Present	Absent	Absent	Present
0.00252806	0.0132116	0.537164	0.447096	Absent	Present	Absent	Absent	Present
0.00180368	0.0108733	0.486208	0.501115	Absent	Present	Absent	Absent	Present
0.00180251	0.0108484	0.488715	0.498634	Absent	Present	Absent	Absent	Present
0.00128603	0.00890327	0.442192	0.547618	Absent	Present	Absent	Absent	Present
4.2581e-4	0.0188057	0.599424	0.381344	Absent	Present	Absent	Absent	Present
3.038e-4	0.0151856	0.542723	0.441788	Absent	Present	Absent	Absent	Present
3.036e-4	0.015154	0.545531	0.439011	Absent	Present	Absent	Absent	Present
2.1661e-4	0.0122332	0.49373	0.49382	Absent	Present	Absent	Absent	Present
3.0498e-4	0.015309	0.54038	0.444005	Absent	Present	Absent	Absent	Present
2.1759e-4	0.0123582	0.489097	0.498327	Absent	Present	Absent	Absent	Present
2.1745e-4	0.0123325	0.491618	0.495832	Absent	Present	Absent	Absent	Present
1.5514e-4	0.00995282	0.444803	0.545089	Absent	Present	Absent	Absent	Present
3.123e-4	0.0154168	0.54608	0.438191	Absent	Present	Absent	Absent	Present
2.2282e-4	0.0124457	0.494251	0.49308	Absent	Present	Absent	Absent	Present
2.2267e-4	0.0124198	0.496798	0.490559	Absent	Present	Absent	Absent	Present
1.5887e-4	0.0100236	0.449486	0.540332	Absent	Present	Absent	Absent	Present
2.2368e-4	0.0125467	0.492135	0.495094	Absent	Present	Absent	Absent	Present
1.5959e-4	0.0101259	0.44529	0.544424	Absent	Present	Absent	Absent	Present
1.5949e-4	0.0101049	0.447577	0.542158	Absent	Present	Absent	Absent	Present
1.1379e-4	0.00815332	0.404843	0.58689	Absent	Present	Absent	Absent	Present
0.0339023	0.0654928	0.588331	0.312274	Absent	Present	Absent	Absent	Present
0.0241881	0.0558666	0.54048	0.379465	Absent	Present	Absent	Absent	Present
0.0241723	0.0557175	0.543731	0.376379	Absent	Present	Absent	Absent	Present
0.0172461	0.0470987	0.498348	0.437307	Absent	Present	Absent	Absent	Present
0.0242821	0.0564164	0.537371	0.381931	Absent	Present	Absent	Absent	Present
0.0173244	0.0476717	0.492687	0.442317	Absent	Present	Absent	Absent	Present
0.0173132	0.0475492	0.495595	0.439543	Absent	Present	Absent	Absent	Present
0.0123523	0.039889	0.453458	0.4943	Absent	Present	Absent	Absent	Present
0.0248654	0.0564279	0.54324	0.375467	Absent	Present	Absent	Absent	Present
0.0177406	0.0477346	0.49804	0.436485	Absent	Present	Absent	Absent	Present
0.017729	0.0476113	0.500978	0.433682	Absent	Present	Absent	Absent	Present
0.012649	0.0399773	0.458362	0.489012	Absent	Present	Absent	Absent	Present
0.0178095	0.0481922	0.495275	0.438724	Absent	Present	Absent	Absent	Present
0.0127065	0.0404526	0.45328	0.493561	Absent	Present	Absent	Absent	Present
0.0126982	0.0403515	0.455908	0.491042	Absent	Present	Absent	Absent	Present
0.00905973	0.0336675	0.416505	0.540768	Absent	Present	Absent	Absent	Present
0.0029997	0.0776447	0.54738	0.371976	Absent	Present	Absent	Absent	Present
0.00214018	0.0628123	0.501713	0.433335	Absent	Present	Absent	Absent	Present
0.00213879	0.06268	0.504665	0.430516	Absent	Present	Absent	Absent	Present
0.00152595	0.0506804	0.461638	0.486156	Absent	Present	Absent	Absent	Present
0.0021485	0.0633264	0.498939	0.435586	Absent	Present	Absent	Absent	Present
0.00153288	0.0512019	0.456535	0.49073	Absent	Present	Absent	Absent	Present
0.00153188	0.0510943	0.459177	0.488197	Absent	Present	Absent	Absent	Present
0.00109294	0.0412932	0.419413	0.538201	Absent	Present	Absent	Absent	Present
0.00220011	0.0637574	0.504359	0.429684	Absent	Present	Absent	Absent	Present
0.0015697	0.0515537	0.461473	0.485404	Absent	Present	Absent	Absent	Present
0.00156868	0.0514454	0.464141	0.482845	Absent	Present	Absent	Absent	Present
0.0011192	0.0415793	0.42393	0.533371	Absent	Present	Absent	Absent	Present
0.0015758	0.0519749	0.459001	0.487449	Absent	Present	Absent	Absent	Present
0.00112428	0.0420065	0.419344	0.537526	Absent	Present	Absent	Absent	Present
0.00112355	0.0419184	0.421733	0.535225	Absent	Present	Absent	Absent	Present
8.0161e-4	0.0338652	0.384699	0.580634	Absent	Present	Absent	Absent	Present
0.00343075	0.0157355	0.600609	0.380224	Absent	Present	Absent	Absent	Present
0.00244772	0.0129891	0.543786	0.440777	Absent	Present	Absent	Absent	Present
0.00244613	0.0129589	0.546599	0.437996	Absent	Present	Absent	Absent	Present
0.00174522	0.0106623	0.494688	0.492904	Absent	Present	Absent	Absent	Present

0.00245723	0.0131038	0.54144	0.442999	Absent	Present	Absent	Absent	Present
0.00175315	0.01078	0.490048	0.497419	Absent	Present	Absent	Absent	Present
0.00175201	0.0107553	0.492574	0.494919	Absent	Present	Absent	Absent	Present
0.00125	0.00882364	0.44566	0.544266	Absent	Present	Absent	Absent	Present
0.00251626	0.0131594	0.54715	0.437174	Absent	Present	Absent	Absent	Present
0.00179526	0.0108302	0.495212	0.492163	Absent	Present	Absent	Absent	Present
0.0017941	0.0108054	0.497764	0.489637	Absent	Present	Absent	Absent	Present
0.00128002	0.00886785	0.450352	0.5395	Absent	Present	Absent	Absent	Present
0.00180224	0.0109248	0.493093	0.49418	Absent	Present	Absent	Absent	Present
0.00128584	0.00896476	0.44615	0.543599	Absent	Present	Absent	Absent	Present
0.001285	0.0089445	0.448441	0.54133	Absent	Present	Absent	Absent	Present
9.168e-4	0.00732223	0.405619	0.586142	Absent	Present	Absent	Absent	Present
3.0356e-4	0.015247	0.550422	0.434028	Absent	Present	Absent	Absent	Present
2.1658e-4	0.0123081	0.498151	0.489324	Absent	Present	Absent	Absent	Present
2.1644e-4	0.0122825	0.500717	0.486784	Absent	Present	Absent	Absent	Present
1.5442e-4	0.00991245	0.453007	0.536926	Absent	Present	Absent	Absent	Present
2.1742e-4	0.012408	0.496022	0.491353	Absent	Present	Absent	Absent	Present
1.5512e-4	0.0100137	0.448783	0.541048	Absent	Present	Absent	Absent	Present
1.5502e-4	0.00999283	0.451086	0.538766	Absent	Present	Absent	Absent	Present
1.106e-4	0.00806266	0.407998	0.583829	Absent	Present	Absent	Absent	Present
2.2264e-4	0.0124959	0.501248	0.486034	Absent	Present	Absent	Absent	Present
1.5885e-4	0.0100849	0.453508	0.536249	Absent	Present	Absent	Absent	Present
1.5874e-4	0.0100639	0.455835	0.533942	Absent	Present	Absent	Absent	Present
1.1326e-4	0.00812024	0.41229	0.579476	Absent	Present	Absent	Absent	Present
1.5946e-4	0.0101666	0.451583	0.538091	Absent	Present	Absent	Absent	Present
1.1377e-4	0.00820307	0.408463	0.58322	Absent	Present	Absent	Absent	Present
1.137e-4	0.00818603	0.410553	0.581147	Absent	Present	Absent	Absent	Present
8.112e-5	0.00660364	0.371246	0.62207	Absent	Present	Absent	Absent	Present
0.0666162	0.0844656	0.665468	0.18345	Absent	Present	Absent	Present	Absent
0.0475283	0.0741558	0.615088	0.263228	Absent	Present	Absent	Present	Absent
0.0474974	0.0739363	0.619003	0.259564	Absent	Present	Absent	Present	Absent
0.0338877	0.0639173	0.57029	0.331905	Absent	Present	Absent	Present	Absent
0.047713	0.0749499	0.611182	0.266155	Absent	Present	Absent	Present	Absent
0.0340416	0.0647534	0.563352	0.337853	Absent	Present	Absent	Present	Absent
0.0340194	0.0645722	0.566849	0.33456	Absent	Present	Absent	Present	Absent
0.0242717	0.0551359	0.521019	0.399574	Absent	Present	Absent	Present	Absent
0.0488592	0.0747077	0.617952	0.258481	Absent	Present	Absent	Present	Absent
0.0348593	0.0646638	0.569549	0.330928	Absent	Present	Absent	Present	Absent
0.0348367	0.0644817	0.573082	0.3276	Absent	Present	Absent	Present	Absent
0.0248547	0.0551381	0.526713	0.393295	Absent	Present	Absent	Present	Absent
0.0349948	0.0653288	0.56609	0.333586	Absent	Present	Absent	Present	Absent
0.0249676	0.0558349	0.520502	0.398696	Absent	Present	Absent	Present	Absent
0.0249513	0.0556849	0.523659	0.395705	Absent	Present	Absent	Present	Absent
0.0178019	0.047144	0.480309	0.454745	Absent	Present	Absent	Present	Absent
0.00589425	0.116686	0.623083	0.254336	Absent	Present	Absent	Present	Absent
0.00420534	0.0945234	0.574083	0.327188	Absent	Present	Absent	Present	Absent
0.00420261	0.0943229	0.577633	0.323842	Absent	Present	Absent	Present	Absent
0.00299841	0.0763559	0.530743	0.389903	Absent	Present	Absent	Present	Absent
0.00422169	0.0953011	0.570616	0.329861	Absent	Present	Absent	Present	Absent
0.00301203	0.0771455	0.524508	0.395335	Absent	Present	Absent	Present	Absent
0.00301007	0.0769825	0.52768	0.392327	Absent	Present	Absent	Present	Absent
0.00214758	0.06228	0.483875	0.451698	Absent	Present	Absent	Present	Absent
0.0043231	0.0959332	0.576891	0.322853	Absent	Present	Absent	Present	Absent
0.00308438	0.0776639	0.530241	0.389011	Absent	Present	Absent	Present	Absent
0.00308238	0.0774997	0.533446	0.385972	Absent	Present	Absent	Present	Absent
0.00219917	0.0627032	0.489134	0.445964	Absent	Present	Absent	Present	Absent
0.00309637	0.0783014	0.527164	0.391439	Absent	Present	Absent	Present	Absent
0.00220915	0.0633502	0.483545	0.450896	Absent	Present	Absent	Present	Absent
0.00220772	0.0632167	0.486411	0.448165	Absent	Present	Absent	Present	Absent
0.00157513	0.0511189	0.445226	0.50208	Absent	Present	Absent	Present	Absent
0.00674124	0.0223917	0.706738	0.264129	Absent	Present	Absent	Present	Absent
0.00480964	0.0186545	0.640511	0.336025	Absent	Present	Absent	Present	Absent
0.00480651	0.0186094	0.643862	0.332722	Absent	Present	Absent	Present	Absent
0.00342928	0.0154303	0.583224	0.397916	Absent	Present	Absent	Present	Absent
0.00482833	0.0188246	0.637684	0.338663	Absent	Present	Absent	Present	Absent

0.00344484	0.0156057	0.577673	0.403276	Absent	Present	Absent	Present	Absent
0.0034426	0.0155687	0.58068	0.400308	Absent	Present	Absent	Present	Absent
0.00245618	0.0128559	0.525789	0.458899	Absent	Present	Absent	Present	Absent
0.00494432	0.0188829	0.644426	0.331746	Absent	Present	Absent	Present	Absent
0.0035276	0.0156633	0.583773	0.397036	Absent	Present	Absent	Present	Absent
0.0035253	0.0156261	0.586812	0.394037	Absent	Present	Absent	Present	Absent
0.00251518	0.0129097	0.531335	0.45324	Absent	Present	Absent	Present	Absent
0.00354131	0.015804	0.581223	0.399431	Absent	Present	Absent	Present	Absent
0.0025266	0.0130545	0.526311	0.458108	Absent	Present	Absent	Present	Absent
0.00252496	0.013024	0.529039	0.455412	Absent	Present	Absent	Present	Absent
0.00180147	0.010722	0.478857	0.508619	Absent	Present	Absent	Present	Absent
5.9647e-4	0.0230406	0.648352	0.328011	Absent	Present	Absent	Present	Absent
4.2556e-4	0.0186122	0.587297	0.393665	Absent	Present	Absent	Present	Absent
4.2528e-4	0.0185733	0.590352	0.390649	Absent	Present	Absent	Present	Absent
3.0343e-4	0.0149984	0.534514	0.450184	Absent	Present	Absent	Present	Absent
4.2721e-4	0.0187636	0.584735	0.396074	Absent	Present	Absent	Present	Absent
3.048e-4	0.0151519	0.529465	0.455079	Absent	Present	Absent	Present	Absent
3.046e-4	0.0151203	0.532207	0.452368	Absent	Present	Absent	Present	Absent
2.1732e-4	0.0122062	0.481704	0.505872	Absent	Present	Absent	Present	Absent
4.3748e-4	0.0188948	0.590909	0.389758	Absent	Present	Absent	Present	Absent
3.1212e-4	0.0152585	0.53505	0.44938	Absent	Present	Absent	Present	Absent
3.1192e-4	0.0152266	0.53782	0.446641	Absent	Present	Absent	Present	Absent
2.2255e-4	0.0122925	0.48678	0.500705	Absent	Present	Absent	Present	Absent
3.1334e-4	0.0153825	0.532737	0.451568	Absent	Present	Absent	Present	Absent
2.2356e-4	0.0124182	0.482208	0.50515	Absent	Present	Absent	Present	Absent
2.2341e-4	0.0123923	0.484696	0.502689	Absent	Present	Absent	Present	Absent
1.594e-4	0.0100015	0.438563	0.551277	Absent	Present	Absent	Present	Absent
0.0474904	0.0746739	0.62485	0.252986	Absent	Present	Absent	Present	Absent
0.0338827	0.0645107	0.575636	0.32597	Absent	Present	Absent	Present	Absent
0.0338607	0.0643303	0.579191	0.322618	Absent	Present	Absent	Present	Absent
0.0241584	0.0549264	0.532116	0.388799	Absent	Present	Absent	Present	Absent
0.0340144	0.0651704	0.572167	0.328648	Absent	Present	Absent	Present	Absent
0.0242681	0.0556173	0.525875	0.39424	Absent	Present	Absent	Present	Absent
0.0242523	0.0554686	0.529052	0.391227	Absent	Present	Absent	Present	Absent
0.0173032	0.0469056	0.485086	0.450705	Absent	Present	Absent	Present	Absent
0.0348315	0.0650843	0.578457	0.321627	Absent	Present	Absent	Present	Absent
0.0248511	0.055623	0.531621	0.387905	Absent	Present	Absent	Present	Absent
0.0248349	0.0554736	0.534831	0.384861	Absent	Present	Absent	Present	Absent
0.0177188	0.0469631	0.490358	0.444961	Absent	Present	Absent	Present	Absent
0.0249477	0.0561737	0.528542	0.390337	Absent	Present	Absent	Present	Absent
0.0177993	0.0475374	0.484762	0.449902	Absent	Present	Absent	Present	Absent
0.0177877	0.0474145	0.487632	0.447166	Absent	Present	Absent	Present	Absent
0.0126909	0.0398242	0.446307	0.501178	Absent	Present	Absent	Present	Absent
0.00420199	0.0949163	0.583046	0.317835	Absent	Present	Absent	Present	Absent
0.00299797	0.0768337	0.535685	0.384484	Absent	Present	Absent	Present	Absent
0.00299602	0.0766714	0.53891	0.381422	Absent	Present	Absent	Present	Absent
0.00213755	0.0620281	0.493976	0.441858	Absent	Present	Absent	Present	Absent
0.00300962	0.0774642	0.532597	0.386929	Absent	Present	Absent	Present	Absent
0.00214726	0.0626679	0.488358	0.446827	Absent	Present	Absent	Present	Absent
0.00214586	0.0625359	0.491243	0.444076	Absent	Present	Absent	Present	Absent
0.001531	0.0505649	0.449514	0.49839	Absent	Present	Absent	Present	Absent
0.00308192	0.077985	0.538415	0.380518	Absent	Present	Absent	Present	Absent
0.00219884	0.063094	0.493665	0.441042	Absent	Present	Absent	Present	Absent
0.00219741	0.062961	0.49658	0.438262	Absent	Present	Absent	Present	Absent
0.00156778	0.0509121	0.454376	0.493144	Absent	Present	Absent	Present	Absent
0.00220739	0.0636106	0.490919	0.443263	Absent	Present	Absent	Present	Absent
0.00157489	0.0514362	0.449332	0.497657	Absent	Present	Absent	Present	Absent
0.00157387	0.0513281	0.45194	0.495158	Absent	Present	Absent	Present	Absent
0.0011229	0.0414853	0.41291	0.544482	Absent	Present	Absent	Present	Absent
0.0048058	0.018751	0.649649	0.326795	Absent	Present	Absent	Present	Absent
0.00342877	0.0155443	0.588459	0.392567	Absent	Present	Absent	Present	Absent
0.00342654	0.0155075	0.59152	0.389546	Absent	Present	Absent	Present	Absent
0.00244471	0.0128051	0.535562	0.449188	Absent	Present	Absent	Present	Absent
0.0034421	0.0156836	0.585893	0.394981	Absent	Present	Absent	Present	Absent
0.00245581	0.0129484	0.530504	0.454092	Absent	Present	Absent	Present	Absent

0.00245422	0.0129183	0.533251	0.451377	Absent	Present	Absent	Present	Absent
0.001751	0.0106303	0.482641	0.504978	Absent	Present	Absent	Present	Absent
0.00352478	0.0157419	0.59208	0.388654	Absent	Present	Absent	Present	Absent
0.00251481	0.0130029	0.536099	0.448383	Absent	Present	Absent	Present	Absent
0.00251317	0.0129726	0.538875	0.445639	Absent	Present	Absent	Present	Absent
0.00179306	0.0106795	0.487726	0.499801	Absent	Present	Absent	Present	Absent
0.00252458	0.0131179	0.533783	0.450575	Absent	Present	Absent	Present	Absent
0.0018012	0.0107976	0.483147	0.504254	Absent	Present	Absent	Present	Absent
0.00180003	0.0107728	0.485639	0.501788	Absent	Present	Absent	Present	Absent
0.00128426	0.00884216	0.439409	0.550464	Absent	Present	Absent	Present	Absent
4.2522e-4	0.0186876	0.595651	0.385236	Absent	Present	Absent	Present	Absent
3.0338e-4	0.0150905	0.539307	0.4453	Absent	Present	Absent	Present	Absent
3.0318e-4	0.015059	0.542097	0.442541	Absent	Present	Absent	Present	Absent
2.1631e-4	0.0121567	0.490622	0.497005	Absent	Present	Absent	Present	Absent
3.0456e-4	0.0152131	0.536979	0.447504	Absent	Present	Absent	Present	Absent
2.1729e-4	0.0122809	0.486019	0.501483	Absent	Present	Absent	Present	Absent
2.1715e-4	0.0122554	0.488524	0.499004	Absent	Present	Absent	Present	Absent
1.5493e-4	0.00989065	0.442003	0.547952	Absent	Present	Absent	Present	Absent
3.1188e-4	0.0153202	0.542642	0.441725	Absent	Present	Absent	Present	Absent
2.2251e-4	0.0123678	0.49114	0.496269	Absent	Present	Absent	Present	Absent
2.2237e-4	0.012342	0.493671	0.493764	Absent	Present	Absent	Present	Absent
1.5865e-4	0.00996097	0.446656	0.543224	Absent	Present	Absent	Present	Absent
2.2338e-4	0.0124682	0.489037	0.498271	Absent	Present	Absent	Present	Absent
1.5937e-4	0.0100627	0.442488	0.54729	Absent	Present	Absent	Present	Absent
1.5927e-4	0.0100418	0.44476	0.545039	Absent	Present	Absent	Present	Absent
1.1363e-4	0.00810246	0.402295	0.589489	Absent	Present	Absent	Present	Absent
0.0476978	0.0737267	0.617609	0.260967	Absent	Present	Absent	Present	Absent
0.0340307	0.0637669	0.569031	0.333171	Absent	Present	Absent	Present	Absent
0.0340086	0.0635878	0.572549	0.329854	Absent	Present	Absent	Present	Absent
0.0242639	0.054342	0.526066	0.395328	Absent	Present	Absent	Present	Absent
0.034163	0.0644213	0.565595	0.33582	Absent	Present	Absent	Present	Absent
0.0243741	0.0550275	0.519887	0.400712	Absent	Present	Absent	Present	Absent
0.0243583	0.05488	0.523031	0.397731	Absent	Present	Absent	Present	Absent
0.0173787	0.0464412	0.479607	0.456573	Absent	Present	Absent	Present	Absent
0.0349837	0.0643272	0.571815	0.328874	Absent	Present	Absent	Present	Absent
0.0249596	0.0550272	0.525569	0.394444	Absent	Present	Absent	Present	Absent
0.0249434	0.0548788	0.528745	0.391432	Absent	Present	Absent	Present	Absent
0.0177962	0.0464941	0.48482	0.45089	Absent	Present	Absent	Present	Absent
0.0250566	0.0555735	0.52252	0.39685	Absent	Present	Absent	Present	Absent
0.017877	0.047064	0.47928	0.455779	Absent	Present	Absent	Present	Absent
0.0178654	0.046942	0.482121	0.453072	Absent	Present	Absent	Present	Absent
0.0127463	0.0394508	0.441296	0.506507	Absent	Present	Absent	Present	Absent
0.00422034	0.0942978	0.576359	0.325123	Absent	Present	Absent	Present	Absent
0.00301107	0.0763373	0.529592	0.391059	Absent	Present	Absent	Present	Absent
0.00300911	0.0761759	0.532784	0.388031	Absent	Present	Absent	Present	Absent
0.00214689	0.0616302	0.488402	0.447821	Absent	Present	Absent	Present	Absent
0.00302277	0.0769638	0.526535	0.393479	Absent	Present	Absent	Present	Absent
0.00215664	0.062266	0.482841	0.452737	Absent	Present	Absent	Present	Absent
0.00215524	0.0621349	0.485695	0.450015	Absent	Present	Absent	Present	Absent
0.00153769	0.0502428	0.444471	0.503749	Absent	Present	Absent	Present	Absent
0.00309538	0.0774807	0.532288	0.387136	Absent	Present	Absent	Present	Absent
0.00220845	0.062689	0.488089	0.447013	Absent	Present	Absent	Present	Absent
0.00220701	0.0625569	0.490973	0.444263	Absent	Present	Absent	Present	Absent
0.00157462	0.0505874	0.449279	0.498559	Absent	Present	Absent	Present	Absent
0.00221703	0.0632024	0.48537	0.44921	Absent	Present	Absent	Present	Absent
0.00158177	0.0511083	0.444287	0.503023	Absent	Present	Absent	Present	Absent
0.00158075	0.0510009	0.446867	0.500551	Absent	Present	Absent	Present	Absent
0.00112781	0.0412224	0.408302	0.549348	Absent	Present	Absent	Present	Absent
0.00482679	0.0185874	0.642599	0.333987	Absent	Present	Absent	Present	Absent
0.00344375	0.0154144	0.582085	0.399057	Absent	Present	Absent	Present	Absent
0.00344151	0.0153779	0.585113	0.396068	Absent	Present	Absent	Present	Absent
0.00245539	0.0127021	0.52977	0.455073	Absent	Present	Absent	Present	Absent
0.00345713	0.0155527	0.579546	0.401444	Absent	Present	Absent	Present	Absent
0.00246654	0.0128444	0.524765	0.459924	Absent	Present	Absent	Present	Absent
0.00246494	0.0128145	0.527483	0.457238	Absent	Present	Absent	Present	Absent

0.00175865	0.0105477	0.477427	0.510266	Absent	Present	Absent	Present	Absent
0.00354018	0.0156098	0.585665	0.395185	Absent	Present	Absent	Present	Absent
0.00252579	0.0128979	0.5303	0.454276	Absent	Present	Absent	Present	Absent
0.00252415	0.0128679	0.533046	0.451562	Absent	Present	Absent	Present	Absent
0.00180089	0.0105961	0.482458	0.505145	Absent	Present	Absent	Present	Absent
0.00253561	0.0130122	0.528008	0.456444	Absent	Present	Absent	Present	Absent
0.00180907	0.0107134	0.477927	0.50955	Absent	Present	Absent	Present	Absent
0.00180789	0.0106888	0.480392	0.507111	Absent	Present	Absent	Present	Absent
0.00128987	0.00877523	0.434668	0.555267	Absent	Present	Absent	Present	Absent
4.2708e-4	0.01857	0.589199	0.391804	Absent	Present	Absent	Present	Absent
3.0471e-4	0.0149959	0.533474	0.451225	Absent	Present	Absent	Present	Absent
3.0451e-4	0.0149646	0.536235	0.448496	Absent	Present	Absent	Present	Absent
2.1726e-4	0.0120808	0.485323	0.502379	Absent	Present	Absent	Present	Absent
3.0589e-4	0.0151178	0.53117	0.453406	Absent	Present	Absent	Present	Absent
2.1824e-4	0.0122043	0.480769	0.506809	Absent	Present	Absent	Present	Absent
2.181e-4	0.0121789	0.483247	0.504356	Absent	Present	Absent	Present	Absent
1.5561e-4	0.00982915	0.437234	0.552781	Absent	Present	Absent	Present	Absent
3.1324e-4	0.0152241	0.536773	0.44769	Absent	Present	Absent	Present	Absent
2.2348e-4	0.0122906	0.485835	0.501651	Absent	Present	Absent	Present	Absent
2.2334e-4	0.012265	0.488339	0.499172	Absent	Present	Absent	Present	Absent
1.5934e-4	0.009899	0.441838	0.548104	Absent	Present	Absent	Present	Absent
2.2435e-4	0.0123904	0.483754	0.503631	Absent	Present	Absent	Present	Absent
1.6007e-4	0.0100001	0.437713	0.552127	Absent	Present	Absent	Present	Absent
1.5996e-4	0.00997928	0.439961	0.549899	Absent	Present	Absent	Present	Absent
1.1413e-4	0.00805221	0.397959	0.593875	Absent	Present	Absent	Present	Absent
0.0340036	0.06418	0.577915	0.323901	Absent	Present	Absent	Present	Absent
0.0242603	0.0548185	0.530964	0.389957	Absent	Present	Absent	Present	Absent
0.0242446	0.0546715	0.534161	0.386923	Absent	Present	Absent	Present	Absent
0.0172976	0.0462629	0.489618	0.446821	Absent	Present	Absent	Present	Absent
0.0243546	0.0553603	0.527904	0.392381	Absent	Present	Absent	Present	Absent
0.0173762	0.0468277	0.48405	0.451746	Absent	Present	Absent	Present	Absent
0.0173649	0.0467069	0.486909	0.449019	Absent	Present	Absent	Present	Absent
0.0123892	0.0392154	0.445545	0.50285	Absent	Present	Absent	Present	Absent
0.0249397	0.0553627	0.533671	0.386026	Absent	Present	Absent	Present	Absent
0.0177936	0.0468835	0.489311	0.446012	Absent	Present	Absent	Present	Absent
0.017782	0.0467619	0.492199	0.443257	Absent	Present	Absent	Present	Absent
0.0126868	0.0392981	0.450364	0.497651	Absent	Present	Absent	Present	Absent
0.0178628	0.0473346	0.486589	0.448213	Absent	Present	Absent	Present	Absent
0.0127445	0.0397667	0.445365	0.502123	Absent	Present	Absent	Present	Absent
0.0127362	0.0396669	0.44795	0.499647	Absent	Present	Absent	Present	Absent
0.0090868	0.0331196	0.409261	0.548532	Absent	Present	Absent	Present	Absent
0.00300866	0.0766528	0.537744	0.382594	Absent	Present	Absent	Present	Absent
0.00214657	0.0620142	0.492924	0.442915	Absent	Present	Absent	Present	Absent
0.00214518	0.0618836	0.495826	0.440145	Absent	Present	Absent	Present	Absent
0.00153051	0.0500395	0.453587	0.494843	Absent	Present	Absent	Present	Absent
0.00215492	0.062522	0.490194	0.445129	Absent	Present	Absent	Present	Absent
0.00153746	0.0505545	0.448568	0.499341	Absent	Present	Absent	Present	Absent
0.00153646	0.0504483	0.451165	0.49685	Absent	Present	Absent	Present	Absent
0.00109621	0.0407733	0.412122	0.546009	Absent	Present	Absent	Present	Absent
0.00220669	0.0629469	0.49552	0.439326	Absent	Present	Absent	Present	Absent
0.00157439	0.0509015	0.45342	0.494105	Absent	Present	Absent	Present	Absent
0.00157337	0.0507945	0.456044	0.491588	Absent	Present	Absent	Present	Absent
0.00112254	0.0410555	0.416561	0.541261	Absent	Present	Absent	Present	Absent
0.00158051	0.0513175	0.450987	0.496115	Absent	Present	Absent	Present	Absent
0.00112764	0.0414774	0.41205	0.545345	Absent	Present	Absent	Present	Absent
0.00112691	0.0413904	0.414399	0.543083	Absent	Present	Absent	Present	Absent
8.0401e-4	0.0334403	0.378031	0.587725	Absent	Present	Absent	Present	Absent
0.003441	0.0154916	0.590364	0.390703	Absent	Present	Absent	Present	Absent
0.00245503	0.0127936	0.534519	0.450232	Absent	Present	Absent	Present	Absent
0.00245343	0.0127639	0.537285	0.447498	Absent	Present	Absent	Present	Absent
0.00175044	0.0105059	0.486266	0.501478	Absent	Present	Absent	Present	Absent
0.00246457	0.0129067	0.532212	0.452416	Absent	Present	Absent	Present	Absent
0.00175839	0.010622	0.481704	0.505916	Absent	Present	Absent	Present	Absent
0.00175724	0.0105976	0.484187	0.503459	Absent	Present	Absent	Present	Absent
0.00125373	0.00869712	0.438078	0.551971	Absent	Present	Absent	Present	Absent

0.00252378	0.0129608	0.537826	0.44669	Absent	Present	Absent	Present	Absent
0.00180063	0.010671	0.48678	0.500749	Absent	Present	Absent	Present	Absent
0.00179946	0.0106465	0.489288	0.498266	Absent	Present	Absent	Present	Absent
0.00128385	0.00874034	0.44269	0.547286	Absent	Present	Absent	Present	Absent
0.00180763	0.0107643	0.484696	0.502733	Absent	Present	Absent	Present	Absent
0.00128968	0.00883598	0.438558	0.551316	Absent	Present	Absent	Present	Absent
0.00128884	0.00881598	0.440811	0.549084	Absent	Present	Absent	Present	Absent
9.1954e-4	0.00721907	0.398722	0.593139	Absent	Present	Absent	Present	Absent
3.0446e-4	0.0150565	0.541042	0.443597	Absent	Present	Absent	Present	Absent
2.1722e-4	0.0121548	0.48967	0.497958	Absent	Present	Absent	Present	Absent
2.1708e-4	0.0121295	0.492192	0.495461	Absent	Present	Absent	Present	Absent
1.5488e-4	0.00978929	0.445301	0.544755	Absent	Present	Absent	Present	Absent
2.1807e-4	0.0122535	0.487576	0.499953	Absent	Present	Absent	Present	Absent
1.5558e-4	0.00988924	0.441147	0.548808	Absent	Present	Absent	Present	Absent
1.5548e-4	0.00986867	0.443412	0.546564	Absent	Present	Absent	Present	Absent
1.1093e-4	0.00796271	0.401061	0.590865	Absent	Present	Absent	Present	Absent
2.2331e-4	0.0123402	0.492713	0.494723	Absent	Present	Absent	Present	Absent
1.5932e-4	0.00995954	0.445792	0.544089	Absent	Present	Absent	Present	Absent
1.5922e-4	0.00993882	0.44808	0.541822	Absent	Present	Absent	Present	Absent
1.136e-4	0.00801955	0.40528	0.586586	Absent	Present	Absent	Present	Absent
1.5994e-4	0.0100403	0.443899	0.545901	Absent	Present	Absent	Present	Absent
1.1411e-4	0.00810136	0.401518	0.590267	Absent	Present	Absent	Present	Absent
1.1404e-4	0.00808453	0.403572	0.588229	Absent	Present	Absent	Present	Absent
8.136e-5	0.00652192	0.364937	0.62846	Absent	Present	Absent	Present	Absent
0.0471438	0.0754344	0.623887	0.253535	Absent	Present	Absent	Present	Present
0.0336354	0.0650913	0.574808	0.326465	Absent	Present	Absent	Present	Present
0.0336136	0.06491	0.578361	0.323115	Absent	Present	Absent	Present	Present
0.0239821	0.0553706	0.5314	0.389247	Absent	Present	Absent	Present	Present
0.0337662	0.0657547	0.571338	0.329141	Absent	Present	Absent	Present	Present
0.024091	0.056065	0.525159	0.394685	Absent	Present	Absent	Present	Present
0.0240753	0.0559157	0.528335	0.391674	Absent	Present	Absent	Present	Present
0.0171769	0.0472494	0.484465	0.451108	Absent	Present	Absent	Present	Present
0.0345773	0.065677	0.57762	0.322125	Absent	Present	Absent	Present	Present
0.0246697	0.056077	0.530899	0.388355	Absent	Present	Absent	Present	Present
0.0246536	0.0559269	0.534107	0.385312	Absent	Present	Absent	Present	Present
0.0175895	0.0473115	0.489731	0.445368	Absent	Present	Absent	Present	Present
0.0247656	0.0566306	0.527819	0.390785	Absent	Present	Absent	Present	Present
0.0176694	0.0478886	0.484136	0.450306	Absent	Present	Absent	Present	Present
0.0176579	0.0477652	0.487005	0.447572	Absent	Present	Absent	Present	Present
0.0125983	0.0400947	0.445762	0.501545	Absent	Present	Absent	Present	Present
0.00417132	0.0952827	0.58221	0.318336	Absent	Present	Absent	Present	Present
0.00297609	0.0771261	0.534962	0.384936	Absent	Present	Absent	Present	Present
0.00297415	0.0769631	0.538186	0.381876	Absent	Present	Absent	Present	Present
0.00212195	0.062261	0.493349	0.442268	Absent	Present	Absent	Present	Present
0.00298766	0.0777588	0.531874	0.387379	Absent	Present	Absent	Present	Present
0.00213159	0.0629031	0.487732	0.447233	Absent	Present	Absent	Present	Present
0.0021302	0.0627707	0.490615	0.444484	Absent	Present	Absent	Present	Present
0.00151982	0.0507526	0.448969	0.498758	Absent	Present	Absent	Present	Present
0.00305943	0.0782821	0.537686	0.380973	Absent	Present	Absent	Present	Present
0.00218279	0.0633312	0.493034	0.441452	Absent	Present	Absent	Present	Present
0.00218137	0.0631978	0.495947	0.438674	Absent	Present	Absent	Present	Present
0.00155633	0.0511013	0.453826	0.493516	Absent	Present	Absent	Present	Present
0.00219128	0.0638497	0.490288	0.443671	Absent	Present	Absent	Present	Present
0.0015634	0.0516272	0.448784	0.498025	Absent	Present	Absent	Present	Present
0.00156238	0.0515188	0.45139	0.495529	Absent	Present	Absent	Present	Present
0.00111471	0.0416379	0.412431	0.544816	Absent	Present	Absent	Present	Present
0.00477072	0.0188659	0.649074	0.327289	Absent	Present	Absent	Present	Present
0.00340374	0.0156336	0.587949	0.393014	Absent	Present	Absent	Present	Present
0.00340153	0.0155966	0.591007	0.389995	Absent	Present	Absent	Present	Present
0.00242687	0.0128746	0.535106	0.449593	Absent	Present	Absent	Present	Present
0.00341697	0.0157735	0.585384	0.395425	Absent	Present	Absent	Present	Present
0.00243789	0.0130185	0.530051	0.454493	Absent	Present	Absent	Present	Present
0.00243631	0.0129882	0.532796	0.45178	Absent	Present	Absent	Present	Present
0.00173822	0.010685	0.482235	0.505341	Absent	Present	Absent	Present	Present
0.00349906	0.0158329	0.591565	0.389103	Absent	Present	Absent	Present	Present

0.00249645	0.0130738	0.535642	0.448788	Absent	Present	Absent	Present	Present
0.00249483	0.0130434	0.538415	0.446046	Absent	Present	Absent	Present	Present
0.00177997	0.0107348	0.487317	0.500168	Absent	Present	Absent	Present	Present
0.00250616	0.0131894	0.533326	0.450978	Absent	Present	Absent	Present	Present
0.00178806	0.0108534	0.48274	0.504618	Absent	Present	Absent	Present	Present
0.00178689	0.0108286	0.48523	0.502154	Absent	Present	Absent	Present	Present
0.00127488	0.00888583	0.439045	0.550794	Absent	Present	Absent	Present	Present
4.2212e-4	0.0187555	0.595134	0.385688	Absent	Present	Absent	Present	Present
3.0117e-4	0.0151448	0.538847	0.445707	Absent	Present	Absent	Present	Present
3.0097e-4	0.0151132	0.541636	0.44295	Absent	Present	Absent	Present	Present
2.1473e-4	0.0122002	0.490211	0.497374	Absent	Present	Absent	Present	Present
3.0234e-4	0.0152679	0.53652	0.447909	Absent	Present	Absent	Present	Present
2.1571e-4	0.0123249	0.48561	0.501849	Absent	Present	Absent	Present	Present
2.1557e-4	0.0122992	0.488114	0.499371	Absent	Present	Absent	Present	Present
1.538e-4	0.00992581	0.441637	0.548284	Absent	Present	Absent	Present	Present
3.096e-4	0.0153754	0.54218	0.442135	Absent	Present	Absent	Present	Present
2.2089e-4	0.0124121	0.490728	0.496639	Absent	Present	Absent	Present	Present
2.2074e-4	0.0123862	0.493257	0.494136	Absent	Present	Absent	Present	Present
1.5749e-4	0.00999641	0.446287	0.543559	Absent	Present	Absent	Present	Present
2.2175e-4	0.0125128	0.488626	0.498639	Absent	Present	Absent	Present	Present
1.5821e-4	0.0100985	0.44212	0.547623	Absent	Present	Absent	Present	Present
1.5811e-4	0.0100775	0.444391	0.545373	Absent	Present	Absent	Present	Present
1.128e-4	0.00813112	0.401966	0.589791	Absent	Present	Absent	Present	Present
0.0336086	0.0655077	0.583781	0.317102	Absent	Present	Absent	Present	Present
0.0239785	0.0558516	0.536348	0.383822	Absent	Present	Absent	Present	Present
0.0239629	0.0557029	0.539577	0.380758	Absent	Present	Absent	Present	Present
0.0170967	0.0470676	0.494577	0.441258	Absent	Present	Absent	Present	Present
0.0240717	0.0564005	0.533257	0.38627	Absent	Present	Absent	Present	Present
0.0171743	0.0476395	0.488954	0.446232	Absent	Present	Absent	Present	Present
0.0171632	0.0475173	0.491841	0.443478	Absent	Present	Absent	Present	Present
0.0122453	0.0398495	0.450054	0.497851	Absent	Present	Absent	Present	Present
0.02465	0.0564153	0.539083	0.379852	Absent	Present	Absent	Present	Present
0.0175869	0.0477046	0.494267	0.440441	Absent	Present	Absent	Present	Present
0.0175755	0.0475817	0.497185	0.437658	Absent	Present	Absent	Present	Present
0.0125395	0.0399393	0.454922	0.492599	Absent	Present	Absent	Present	Present
0.0176553	0.0481614	0.491519	0.442664	Absent	Present	Absent	Present	Present
0.0125964	0.0404136	0.449873	0.497117	Absent	Present	Absent	Present	Present
0.0125882	0.0403127	0.452484	0.494615	Absent	Present	Absent	Present	Present
0.00898125	0.0336261	0.413401	0.543992	Absent	Present	Absent	Present	Present
0.00297371	0.0774445	0.543196	0.376386	Absent	Present	Absent	Present	Present
0.00212164	0.0626487	0.497916	0.437313	Absent	Present	Absent	Present	Present
0.00212026	0.0625168	0.500848	0.434515	Absent	Present	Absent	Present	Present
0.00151273	0.0505472	0.458177	0.489763	Absent	Present	Absent	Present	Present
0.00212989	0.0631614	0.49516	0.439549	Absent	Present	Absent	Present	Present
0.0015196	0.0510673	0.453107	0.494306	Absent	Present	Absent	Present	Present
0.00151861	0.05096	0.455731	0.491791	Absent	Present	Absent	Present	Present
0.00108348	0.0411838	0.41629	0.541443	Absent	Present	Absent	Present	Present
0.00218105	0.0635915	0.50054	0.433688	Absent	Present	Absent	Present	Present
0.0015561	0.0514183	0.458008	0.489017	Absent	Present	Absent	Present	Present
0.00155509	0.0513103	0.460659	0.486476	Absent	Present	Absent	Present	Present
0.0011095	0.0414693	0.420774	0.536648	Absent	Present	Absent	Present	Present
0.00156215	0.0518384	0.455552	0.491047	Absent	Present	Absent	Present	Present
0.00111454	0.0418952	0.416218	0.540773	Absent	Present	Absent	Present	Present
0.00111382	0.0418075	0.41859	0.538489	Absent	Present	Absent	Present	Present
7.9467e-4	0.0337749	0.381852	0.583579	Absent	Present	Absent	Present	Present
0.00340103	0.0157114	0.596312	0.384576	Absent	Present	Absent	Present	Present
0.00242651	0.012967	0.539903	0.444703	Absent	Present	Absent	Present	Present
0.00242494	0.0129369	0.542697	0.441942	Absent	Present	Absent	Present	Present
0.00173011	0.0106426	0.491163	0.496464	Absent	Present	Absent	Present	Present
0.00243594	0.0130814	0.537573	0.44691	Absent	Present	Absent	Present	Present
0.00173796	0.01076	0.486555	0.500947	Absent	Present	Absent	Present	Present
0.00173683	0.0107354	0.489063	0.498465	Absent	Present	Absent	Present	Present
0.00123917	0.00880622	0.442489	0.547466	Absent	Present	Absent	Present	Present
0.00249446	0.0131373	0.543243	0.441126	Absent	Present	Absent	Present	Present
0.00177971	0.0108104	0.491682	0.495728	Absent	Present	Absent	Present	Present

0.00177855	0.0107856	0.494216	0.49322	Absent	Present	Absent	Present	Present
0.00126894	0.00885048	0.447147	0.542733	Absent	Present	Absent	Present	Present
0.00178663	0.0109047	0.489577	0.497732	Absent	Present	Absent	Present	Present
0.0012747	0.00894715	0.442974	0.546804	Absent	Present	Absent	Present	Present
0.00127387	0.00892695	0.445249	0.54455	Absent	Present	Absent	Present	Present
9.0886e-4	0.00730707	0.402736	0.589048	Absent	Present	Absent	Present	Present
3.0093e-4	0.015206	0.546491	0.438002	Absent	Present	Absent	Present	Present
2.147e-4	0.0122749	0.494601	0.492909	Absent	Present	Absent	Present	Present
2.1456e-4	0.0122493	0.497149	0.490387	Absent	Present	Absent	Present	Present
1.5308e-4	0.00988556	0.449784	0.540177	Absent	Present	Absent	Present	Present
2.1553e-4	0.0123745	0.492486	0.494924	Absent	Present	Absent	Present	Present
1.5378e-4	0.00998648	0.445589	0.544271	Absent	Present	Absent	Present	Present
1.5368e-4	0.00996571	0.447877	0.542004	Absent	Present	Absent	Present	Present
1.0964e-4	0.0080407	0.405099	0.586751	Absent	Present	Absent	Present	Present
2.2071e-4	0.0124621	0.497675	0.489642	Absent	Present	Absent	Present	Present
1.5747e-4	0.0100575	0.45028	0.539505	Absent	Present	Absent	Present	Present
1.5737e-4	0.0100366	0.452592	0.537214	Absent	Present	Absent	Present	Present
1.1228e-4	0.00809814	0.40936	0.582429	Absent	Present	Absent	Present	Present
1.5808e-4	0.0101391	0.448368	0.541334	Absent	Present	Absent	Present	Present
1.1279e-4	0.00818073	0.40556	0.586146	Absent	Present	Absent	Present	Present
1.1271e-4	0.00816374	0.407635	0.584088	Absent	Present	Absent	Present	Present
8.042e-5	0.00658559	0.368611	0.624723	Absent	Present	Absent	Present	Present
0.0337554	0.0647607	0.577086	0.324398	Absent	Present	Absent	Present	Present
0.0240833	0.0552634	0.530248	0.390405	Absent	Present	Absent	Present	Present
0.0240676	0.0551158	0.533444	0.387373	Absent	Present	Absent	Present	Present
0.0171714	0.0466044	0.488997	0.447227	Absent	Present	Absent	Present	Present
0.0241769	0.0558081	0.527188	0.392827	Absent	Present	Absent	Present	Present
0.0172494	0.047172	0.48343	0.452148	Absent	Present	Absent	Present	Present
0.0172381	0.0470507	0.486288	0.449424	Absent	Present	Absent	Present	Present
0.0122988	0.0394806	0.445005	0.503216	Absent	Present	Absent	Present	Present
0.0247577	0.0558168	0.532948	0.386477	Absent	Present	Absent	Present	Present
0.0176637	0.0472324	0.488685	0.446419	Absent	Present	Absent	Present	Present
0.0176523	0.0471104	0.491572	0.443666	Absent	Present	Absent	Present	Present
0.0125943	0.0395668	0.449819	0.49802	Absent	Present	Absent	Present	Present
0.0177324	0.0476858	0.485963	0.448619	Absent	Present	Absent	Present	Present
0.0126514	0.0400376	0.444822	0.502489	Absent	Present	Absent	Present	Present
0.0126432	0.0399374	0.447405	0.500015	Absent	Present	Absent	Present	Present
0.00902048	0.0333289	0.408787	0.548864	Absent	Present	Absent	Present	Present
0.0029867	0.0769446	0.537021	0.383048	Absent	Present	Absent	Present	Present
0.00213091	0.0622473	0.492297	0.443325	Absent	Present	Absent	Present	Present
0.00212952	0.0621161	0.495198	0.440556	Absent	Present	Absent	Present	Present
0.00151934	0.0502253	0.453041	0.495214	Absent	Present	Absent	Present	Present
0.00213919	0.0627568	0.489568	0.445536	Absent	Present	Absent	Present	Present
0.00152624	0.0507422	0.448023	0.499708	Absent	Present	Absent	Present	Present
0.00152524	0.0506356	0.450619	0.49722	Absent	Present	Absent	Present	Present
0.00108821	0.0409231	0.411647	0.546342	Absent	Present	Absent	Present	Present
0.00219058	0.0631837	0.494888	0.439738	Absent	Present	Absent	Present	Present
0.0015629	0.0510908	0.45287	0.494476	Absent	Present	Absent	Present	Present
0.00156189	0.0509834	0.455493	0.491962	Absent	Present	Absent	Present	Present
0.00111435	0.0412066	0.416081	0.541598	Absent	Present	Absent	Present	Present
0.00156898	0.0515082	0.450438	0.496485	Absent	Present	Absent	Present	Present
0.00111941	0.0416299	0.411572	0.545679	Absent	Present	Absent	Present	Present
0.00111868	0.0415427	0.41392	0.543419	Absent	Present	Absent	Present	Present
7.9814e-4	0.0335621	0.377612	0.588027	Absent	Present	Absent	Present	Present
0.00341588	0.0155808	0.589853	0.391151	Absent	Present	Absent	Present	Present
0.00243711	0.0128632	0.534064	0.450636	Absent	Present	Absent	Present	Present
0.00243553	0.0128333	0.536828	0.447903	Absent	Present	Absent	Present	Present
0.00173766	0.0105602	0.485858	0.501844	Absent	Present	Absent	Present	Present
0.00244659	0.0129768	0.531758	0.452819	Absent	Present	Absent	Present	Present
0.00174555	0.0106767	0.481299	0.506279	Absent	Present	Absent	Present	Present
0.00174442	0.0106523	0.48378	0.503823	Absent	Present	Absent	Present	Present
0.00124458	0.00873998	0.437715	0.5523	Absent	Present	Absent	Present	Present
0.00250536	0.0130317	0.537367	0.447096	Absent	Present	Absent	Present	Present
0.00178749	0.0107264	0.486371	0.501115	Absent	Present	Absent	Present	Present
0.00178632	0.0107018	0.488878	0.498634	Absent	Present	Absent	Present	Present

0.00127448	0.00878366	0.442324	0.547618	Absent	Present	Absent	Present	Present
0.00179443	0.0108201	0.484288	0.503098	Absent	Present	Absent	Present	Present
0.00128026	0.00887969	0.438195	0.551646	Absent	Present	Absent	Present	Present
0.00127943	0.00885961	0.440445	0.549416	Absent	Present	Absent	Present	Present
9.1283e-4	0.00725335	0.398396	0.593438	Absent	Present	Absent	Present	Present
3.0224e-4	0.0151108	0.540582	0.444005	Absent	Present	Absent	Present	Present
2.1564e-4	0.0121983	0.489259	0.498327	Absent	Present	Absent	Present	Present
2.155e-4	0.0121729	0.49178	0.495832	Absent	Present	Absent	Present	Present
1.5375e-4	0.00982411	0.444933	0.545089	Absent	Present	Absent	Present	Present
2.1648e-4	0.0122973	0.487166	0.50032	Absent	Present	Absent	Present	Present
1.5445e-4	0.00992441	0.440782	0.549139	Absent	Present	Absent	Present	Present
1.5435e-4	0.00990377	0.443045	0.546897	Absent	Present	Absent	Present	Present
1.1012e-4	0.00799087	0.400733	0.591166	Absent	Present	Absent	Present	Present
2.2168e-4	0.0123844	0.492299	0.495094	Absent	Present	Absent	Present	Present
1.5816e-4	0.00999498	0.445423	0.544424	Absent	Present	Absent	Present	Present
1.5806e-4	0.00997419	0.447709	0.542158	Absent	Present	Absent	Present	Present
1.1277e-4	0.00804793	0.404949	0.58689	Absent	Present	Absent	Present	Present
1.5877e-4	0.010076	0.443531	0.546234	Absent	Present	Absent	Present	Present
1.1328e-4	0.00813002	0.401189	0.590568	Absent	Present	Absent	Present	Present
1.1321e-4	0.00811313	0.403242	0.588531	Absent	Present	Absent	Present	Present
8.077e-5	0.00654488	0.364642	0.628732	Absent	Present	Absent	Present	Present
0.0240641	0.0555958	0.538409	0.381931	Absent	Present	Absent	Present	Present
0.0171689	0.0469907	0.493524	0.442317	Absent	Present	Absent	Present	Present
0.0171577	0.0468698	0.496429	0.439543	Absent	Present	Absent	Present	Present
0.0122414	0.0393275	0.454131	0.4943	Absent	Present	Absent	Present	Present
0.0172356	0.04744	0.490792	0.444533	Absent	Present	Absent	Present	Present
0.012297	0.0397939	0.449107	0.498803	Absent	Present	Absent	Present	Present
0.012289	0.0396947	0.451707	0.49631	Absent	Present	Absent	Present	Present
0.00876776	0.0331009	0.412611	0.545521	Absent	Present	Absent	Present	Present
0.0176496	0.0475026	0.496124	0.438724	Absent	Present	Absent	Present	Present
0.0125924	0.0398825	0.453964	0.493561	Absent	Present	Absent	Present	Present
0.0125842	0.0397827	0.456591	0.491042	Absent	Present	Absent	Present	Present
0.00897839	0.0331989	0.417055	0.540768	Absent	Present	Absent	Present	Present
0.0126413	0.0402556	0.45153	0.495573	Absent	Present	Absent	Present	Present
0.00901915	0.033585	0.41254	0.544856	Absent	Present	Absent	Present	Present
0.00901329	0.0335032	0.414891	0.542593	Absent	Present	Absent	Present	Present
0.00643066	0.0278129	0.378475	0.587282	Absent	Present	Absent	Present	Present
0.00212921	0.062503	0.499782	0.435586	Absent	Present	Absent	Present	Present
0.00151911	0.0505369	0.457214	0.49073	Absent	Present	Absent	Present	Present
0.00151813	0.0504307	0.459854	0.488197	Absent	Present	Absent	Present	Present
0.00108313	0.0407575	0.419959	0.538201	Absent	Present	Absent	Present	Present
0.00152502	0.0509497	0.454772	0.492754	Absent	Present	Absent	Present	Present
0.00108805	0.0411761	0.415424	0.542312	Absent	Present	Absent	Present	Present
0.00108734	0.0410898	0.417787	0.540036	Absent	Present	Absent	Present	Present
7.7578e-4	0.0331945	0.381055	0.584975	Absent	Present	Absent	Present	Present
0.00156165	0.0512998	0.45969	0.487449	Absent	Present	Absent	Present	Present
0.00111419	0.0414614	0.419899	0.537526	Absent	Present	Absent	Present	Present
0.00111346	0.0413745	0.422287	0.535225	Absent	Present	Absent	Present	Present
7.9441e-4	0.0334262	0.385145	0.580634	Absent	Present	Absent	Present	Present
0.00111852	0.0417995	0.417719	0.539363	Absent	Present	Absent	Present	Present
7.9802e-4	0.033769	0.381065	0.584368	Absent	Present	Absent	Present	Present
7.975e-4	0.0336984	0.383204	0.582301	Absent	Present	Absent	Present	Present
5.6899e-4	0.0272146	0.349106	0.62311	Absent	Present	Absent	Present	Present
0.00243517	0.0129255	0.54164	0.442999	Absent	Present	Absent	Present	Present
0.00173741	0.0106344	0.49021	0.497419	Absent	Present	Absent	Present	Present
0.00173628	0.0106101	0.492735	0.494919	Absent	Present	Absent	Present	Present
0.00123877	0.0087052	0.44579	0.544266	Absent	Present	Absent	Present	Present
0.00174416	0.0107272	0.488113	0.499415	Absent	Present	Absent	Present	Present
0.0012444	0.00880023	0.441632	0.548323	Absent	Present	Absent	Present	Present
0.00124359	0.00878037	0.443899	0.546077	Absent	Present	Absent	Present	Present
8.8726e-4	0.00718623	0.401501	0.590425	Absent	Present	Absent	Present	Present
0.00178606	0.0107772	0.493256	0.49418	Absent	Present	Absent	Present	Present
0.00127429	0.00884437	0.446282	0.543599	Absent	Present	Absent	Present	Present
0.00127346	0.00882437	0.448573	0.54133	Absent	Present	Absent	Present	Present
9.0857e-4	0.00722441	0.405725	0.586142	Absent	Present	Absent	Present	Present

0.00127924	0.0089208	0.444387	0.545413	Absent	Present	Absent	Present	Present
9.1269e-4	0.00730261	0.401958	0.589827	Absent	Present	Absent	Present	Present
9.121e-4	0.0072863	0.404015	0.587786	Absent	Present	Absent	Present	Present
6.5075e-4	0.00595239	0.365337	0.62806	Absent	Present	Absent	Present	Present
2.1547e-4	0.0122475	0.496184	0.491353	Absent	Present	Absent	Present	Present
1.5373e-4	0.00988416	0.448914	0.541048	Absent	Present	Absent	Present	Present
1.5363e-4	0.0098636	0.451217	0.538766	Absent	Present	Absent	Present	Present
1.0961e-4	0.00795846	0.408103	0.583829	Absent	Present	Absent	Present	Present
1.5432e-4	0.0099643	0.44701	0.542872	Absent	Present	Absent	Present	Present
1.1011e-4	0.00803963	0.404317	0.587534	Absent	Present	Absent	Present	Present
1.1003e-4	0.00802293	0.406385	0.585482	Absent	Present	Absent	Present	Present
7.851e-5	0.00647193	0.367468	0.625981	Absent	Present	Absent	Present	Present
1.5803e-4	0.0100352	0.451716	0.538091	Absent	Present	Absent	Present	Present
1.1275e-4	0.00809704	0.40857	0.58322	Absent	Present	Absent	Present	Present
1.1268e-4	0.00808022	0.41066	0.581147	Absent	Present	Absent	Present	Present
8.039e-5	0.00651832	0.371332	0.62207	Absent	Present	Absent	Present	Present
1.1319e-4	0.00816264	0.406848	0.584876	Absent	Present	Absent	Present	Present
8.076e-5	0.00658475	0.3679	0.625434	Absent	Present	Absent	Present	Present
8.07e-5	0.00657109	0.369777	0.623571	Absent	Present	Absent	Present	Present
5.758e-5	0.0052999	0.334294	0.660349	Absent	Present	Absent	Present	Present
0.00847537	0.144895	0.664122	0.182507	Absent	Present	Present	Absent	Absent
0.00604688	0.117481	0.614095	0.262377	Absent	Present	Present	Absent	Absent
0.00604295	0.11723	0.618018	0.258709	Absent	Present	Present	Absent	Absent
0.00431143	0.0949751	0.56958	0.331134	Absent	Present	Present	Absent	Absent
0.00607038	0.118451	0.610171	0.265308	Absent	Present	Present	Absent	Absent
0.004331	0.0959606	0.56262	0.337088	Absent	Present	Present	Absent	Absent
0.00432819	0.095757	0.566124	0.333791	Absent	Present	Present	Absent	Absent
0.00308801	0.0775225	0.520509	0.398881	Absent	Present	Present	Absent	Absent
0.00621621	0.119222	0.616937	0.257625	Absent	Present	Present	Absent	Absent
0.00443504	0.0965957	0.568814	0.330156	Absent	Present	Present	Absent	Absent
0.00443216	0.0963906	0.572353	0.326824	Absent	Present	Present	Absent	Absent
0.00316219	0.0780424	0.526201	0.392594	Absent	Present	Present	Absent	Absent
0.00445228	0.0973911	0.56534	0.332817	Absent	Present	Present	Absent	Absent
0.00317655	0.07885	0.519972	0.398002	Absent	Present	Present	Absent	Absent
0.00317448	0.0786832	0.523135	0.395007	Absent	Present	Present	Absent	Absent
0.00226488	0.0636649	0.479954	0.454116	Absent	Present	Present	Absent	Absent
7.4991e-4	0.123688	0.622087	0.253475	Absent	Present	Present	Absent	Absent
5.3503e-4	0.0996892	0.573364	0.326411	Absent	Present	Present	Absent	Absent
5.3468e-4	0.0994833	0.576921	0.323061	Absent	Present	Present	Absent	Absent
3.8148e-4	0.0801749	0.530245	0.389199	Absent	Present	Present	Absent	Absent
5.3711e-4	0.100493	0.569882	0.329088	Absent	Present	Present	Absent	Absent
3.8321e-4	0.0809886	0.523992	0.394637	Absent	Present	Present	Absent	Absent
3.8296e-4	0.0808214	0.52717	0.391626	Absent	Present	Present	Absent	Absent
2.7323e-4	0.0651303	0.483532	0.451065	Absent	Present	Present	Absent	Absent
5.5002e-4	0.101225	0.576154	0.322071	Absent	Present	Present	Absent	Absent
3.9242e-4	0.0815791	0.529723	0.388306	Absent	Present	Present	Absent	Absent
3.9216e-4	0.0814106	0.532934	0.385263	Absent	Present	Present	Absent	Absent
2.7979e-4	0.0656057	0.488791	0.445324	Absent	Present	Present	Absent	Absent
3.9394e-4	0.0822369	0.526633	0.390736	Absent	Present	Present	Absent	Absent
2.8106e-4	0.0662713	0.483186	0.450262	Absent	Present	Present	Absent	Absent
2.8088e-4	0.0661346	0.486057	0.447528	Absent	Present	Present	Absent	Absent
2.004e-4	0.0532919	0.445003	0.501505	Absent	Present	Present	Absent	Absent
8.5767e-4	0.0287165	0.707146	0.26328	Absent	Present	Present	Absent	Absent
6.1192e-4	0.0232077	0.640922	0.335258	Absent	Present	Present	Absent	Absent
6.1152e-4	0.0231591	0.644278	0.331952	Absent	Present	Present	Absent	Absent
4.363e-4	0.018709	0.583634	0.397221	Absent	Present	Present	Absent	Absent
6.1429e-4	0.0233969	0.63809	0.337899	Absent	Present	Present	Absent	Absent
4.3828e-4	0.0189008	0.578074	0.402587	Absent	Present	Present	Absent	Absent
4.3799e-4	0.0188613	0.581085	0.399616	Absent	Present	Present	Absent	Absent
3.1249e-4	0.0152315	0.526182	0.458274	Absent	Present	Present	Absent	Absent
6.2905e-4	0.0235591	0.644837	0.330975	Absent	Present	Present	Absent	Absent
4.4881e-4	0.0190328	0.584179	0.396339	Absent	Present	Present	Absent	Absent
4.4851e-4	0.018993	0.587221	0.393337	Absent	Present	Present	Absent	Absent
3.2e-4	0.0153386	0.531733	0.452609	Absent	Present	Present	Absent	Absent
4.5055e-4	0.0191878	0.581624	0.398738	Absent	Present	Present	Absent	Absent

3.2145e-4	0.0154956	0.526701	0.457482	Absent	Present	Present	Absent	Absent
3.2124e-4	0.0154633	0.529432	0.454784	Absent	Present	Present	Absent	Absent
2.292e-4	0.0124839	0.479235	0.508052	Absent	Present	Present	Absent	Absent
7.589e-5	0.0239192	0.64877	0.327235	Absent	Present	Present	Absent	Absent
5.414e-5	0.019272	0.587709	0.392965	Absent	Present	Present	Absent	Absent
5.411e-5	0.0192322	0.590768	0.389946	Absent	Present	Present	Absent	Absent
3.86e-5	0.015495	0.534917	0.449549	Absent	Present	Present	Absent	Absent
5.435e-5	0.0194272	0.585141	0.395377	Absent	Present	Present	Absent	Absent
3.878e-5	0.015652	0.52986	0.454449	Absent	Present	Present	Absent	Absent
3.875e-5	0.0156198	0.532606	0.451736	Absent	Present	Present	Absent	Absent
2.765e-5	0.012584	0.482086	0.505302	Absent	Present	Present	Absent	Absent
5.566e-5	0.0195695	0.591321	0.389054	Absent	Present	Present	Absent	Absent
3.971e-5	0.0157667	0.53545	0.448744	Absent	Present	Present	Absent	Absent
3.968e-5	0.0157342	0.538224	0.446002	Absent	Present	Present	Absent	Absent
2.831e-5	0.0126763	0.487167	0.500129	Absent	Present	Present	Absent	Absent
3.987e-5	0.0158937	0.533132	0.450934	Absent	Present	Present	Absent	Absent
2.844e-5	0.0128048	0.482588	0.504579	Absent	Present	Present	Absent	Absent
2.842e-5	0.0127784	0.485079	0.502114	Absent	Present	Present	Absent	Absent
2.028e-5	0.0102946	0.438927	0.550758	Absent	Present	Present	Absent	Absent
0.00604205	0.117973	0.623862	0.252124	Absent	Present	Present	Absent	Absent
0.00431079	0.0955731	0.574924	0.325192	Absent	Present	Present	Absent	Absent
0.00430799	0.0953704	0.578486	0.321836	Absent	Present	Present	Absent	Absent
0.0030736	0.0772092	0.531624	0.388093	Absent	Present	Present	Absent	Absent
0.00432755	0.0963598	0.57144	0.327873	Absent	Present	Present	Absent	Absent
0.00308755	0.0780079	0.525364	0.393541	Absent	Present	Present	Absent	Absent
0.00308555	0.077843	0.528547	0.390524	Absent	Present	Present	Absent	Absent
0.00220143	0.06298	0.484748	0.450071	Absent	Present	Present	Absent	Absent
0.00443151	0.0969979	0.577727	0.320844	Absent	Present	Present	Absent	Absent
0.00316172	0.0785314	0.531109	0.387198	Absent	Present	Present	Absent	Absent
0.00315967	0.0783653	0.534325	0.38415	Absent	Present	Present	Absent	Absent
0.00225431	0.0634075	0.490019	0.44432	Absent	Present	Present	Absent	Absent
0.00317401	0.0791762	0.528017	0.389633	Absent	Present	Present	Absent	Absent
0.00226455	0.0640619	0.484407	0.449267	Absent	Present	Present	Absent	Absent
0.00226307	0.0639268	0.487283	0.446528	Absent	Present	Present	Absent	Absent
0.00161462	0.051696	0.446087	0.500602	Absent	Present	Present	Absent	Absent
5.3461e-4	0.100085	0.582333	0.317048	Absent	Present	Present	Absent	Absent
3.8142e-4	0.0806596	0.535186	0.383773	Absent	Present	Present	Absent	Absent
3.8117e-4	0.0804931	0.538418	0.380708	Absent	Present	Present	Absent	Absent
2.7195e-4	0.0648657	0.493649	0.441214	Absent	Present	Present	Absent	Absent
3.829e-4	0.08131	0.532086	0.386221	Absent	Present	Present	Absent	Absent
2.7319e-4	0.0655238	0.488015	0.446188	Absent	Present	Present	Absent	Absent
2.7301e-4	0.0653886	0.490905	0.443434	Absent	Present	Present	Absent	Absent
1.9478e-4	0.0526903	0.449304	0.497811	Absent	Present	Present	Absent	Absent
3.921e-4	0.0819028	0.537903	0.379802	Absent	Present	Present	Absent	Absent
2.7975e-4	0.0660021	0.493322	0.440396	Absent	Present	Present	Absent	Absent
2.7957e-4	0.0658659	0.496241	0.437613	Absent	Present	Present	Absent	Absent
1.9946e-4	0.0530754	0.454166	0.492559	Absent	Present	Present	Absent	Absent
2.8084e-4	0.0665342	0.490565	0.44262	Absent	Present	Present	Absent	Absent
2.0037e-4	0.0536137	0.449109	0.497077	Absent	Present	Present	Absent	Absent
2.0024e-4	0.0535031	0.451721	0.494575	Absent	Present	Present	Absent	Absent
1.4286e-4	0.0431108	0.412791	0.543956	Absent	Present	Present	Absent	Absent
6.1143e-4	0.0233022	0.650069	0.326017	Absent	Present	Present	Absent	Absent
4.3623e-4	0.0188242	0.588873	0.391866	Absent	Present	Present	Absent	Absent
4.3595e-4	0.0187849	0.591938	0.388842	Absent	Present	Present	Absent	Absent
3.1103e-4	0.0151698	0.535967	0.448552	Absent	Present	Present	Absent	Absent
4.3793e-4	0.0189775	0.586302	0.394282	Absent	Present	Present	Absent	Absent
3.1245e-4	0.0153251	0.530901	0.453462	Absent	Present	Present	Absent	Absent
3.1224e-4	0.0152931	0.533651	0.450743	Absent	Present	Present	Absent	Absent
2.2277e-4	0.0123461	0.483025	0.504407	Absent	Present	Present	Absent	Absent
4.4845e-4	0.0191101	0.592494	0.387948	Absent	Present	Present	Absent	Absent
3.1995e-4	0.0154328	0.536501	0.447746	Absent	Present	Present	Absent	Absent
3.1974e-4	0.0154006	0.53928	0.444999	Absent	Present	Present	Absent	Absent
2.2813e-4	0.0124334	0.488115	0.499224	Absent	Present	Present	Absent	Absent
3.2119e-4	0.0155583	0.53418	0.44994	Absent	Present	Present	Absent	Absent
2.2916e-4	0.0125605	0.483529	0.503682	Absent	Present	Present	Absent	Absent

2.2901e-4	0.0125343	0.486023	0.501213	Absent	Present	Present	Absent	Absent
1.6339e-4	0.0101164	0.439775	0.549945	Absent	Present	Present	Absent	Absent
5.41e-5	0.0193483	0.596071	0.384527	Absent	Present	Present	Absent	Absent
3.86e-5	0.0155884	0.539714	0.444659	Absent	Present	Present	Absent	Absent
3.857e-5	0.0155563	0.542508	0.441897	Absent	Present	Present	Absent	Absent
2.752e-5	0.0125329	0.491015	0.496424	Absent	Present	Present	Absent	Absent
3.875e-5	0.015714	0.537382	0.446866	Absent	Present	Present	Absent	Absent
2.765e-5	0.0126599	0.486405	0.500907	Absent	Present	Present	Absent	Absent
2.763e-5	0.0126338	0.488913	0.498425	Absent	Present	Present	Absent	Absent
1.971e-5	0.010178	0.442373	0.54743	Absent	Present	Present	Absent	Absent
3.968e-5	0.0158291	0.54305	0.441081	Absent	Present	Present	Absent	Absent
2.831e-5	0.0127527	0.491531	0.495688	Absent	Present	Present	Absent	Absent
2.829e-5	0.0127265	0.494066	0.49318	Absent	Present	Present	Absent	Absent
2.018e-5	0.0102527	0.447031	0.542697	Absent	Present	Present	Absent	Absent
2.842e-5	0.0128554	0.489424	0.497692	Absent	Present	Present	Absent	Absent
2.028e-5	0.0103566	0.442855	0.546768	Absent	Present	Present	Absent	Absent
2.026e-5	0.0103353	0.445131	0.544514	Absent	Present	Present	Absent	Absent
1.446e-5	0.00832609	0.402644	0.589015	Absent	Present	Present	Absent	Absent
0.00606845	0.117196	0.616623	0.260113	Absent	Present	Present	Absent	Absent
0.00432962	0.0949494	0.56832	0.332401	Absent	Present	Present	Absent	Absent
0.00432681	0.094748	0.571845	0.329081	Absent	Present	Present	Absent	Absent
0.00308702	0.0767097	0.525573	0.39463	Absent	Present	Present	Absent	Absent
0.00434645	0.0957312	0.564869	0.335054	Absent	Present	Present	Absent	Absent
0.00310104	0.0775034	0.519376	0.40002	Absent	Present	Present	Absent	Absent
0.00309902	0.0773395	0.522526	0.397036	Absent	Present	Present	Absent	Absent
0.00221104	0.0625757	0.479268	0.455946	Absent	Present	Present	Absent	Absent
0.00445086	0.0963643	0.571085	0.328099	Absent	Present	Present	Absent	Absent
0.00317553	0.0780229	0.525056	0.393745	Absent	Present	Present	Absent	Absent
0.00317347	0.0778579	0.528239	0.39073	Absent	Present	Present	Absent	Absent
0.00226416	0.063	0.48448	0.450256	Absent	Present	Present	Absent	Absent
0.00318788	0.0786637	0.521995	0.396154	Absent	Present	Present	Absent	Absent
0.00227444	0.0636503	0.478925	0.45515	Absent	Present	Present	Absent	Absent
0.00227296	0.0635162	0.48177	0.45244	Absent	Present	Present	Absent	Absent
0.00162168	0.0513661	0.441075	0.505938	Absent	Present	Present	Absent	Absent
5.3694e-4	0.0994735	0.575646	0.324344	Absent	Present	Present	Absent	Absent
3.8309e-4	0.0801672	0.529094	0.390356	Absent	Present	Present	Absent	Absent
3.8284e-4	0.0800017	0.532291	0.387324	Absent	Present	Present	Absent	Absent
2.7314e-4	0.0644701	0.488074	0.447183	Absent	Present	Present	Absent	Absent
3.8458e-4	0.0808136	0.526023	0.392778	Absent	Present	Present	Absent	Absent
2.7438e-4	0.0651242	0.482497	0.452105	Absent	Present	Present	Absent	Absent
2.742e-4	0.0649898	0.485356	0.44938	Absent	Present	Present	Absent	Absent
1.9563e-4	0.0523692	0.444259	0.503176	Absent	Present	Present	Absent	Absent
3.9382e-4	0.0814028	0.531775	0.386428	Absent	Present	Present	Absent	Absent
2.8097e-4	0.0655996	0.487745	0.446375	Absent	Present	Present	Absent	Absent
2.8079e-4	0.0654642	0.490634	0.443621	Absent	Present	Present	Absent	Absent
2.0033e-4	0.0527519	0.449068	0.49798	Absent	Present	Present	Absent	Absent
2.8207e-4	0.0661284	0.485015	0.448575	Absent	Present	Present	Absent	Absent
2.0124e-4	0.053287	0.444062	0.502449	Absent	Present	Present	Absent	Absent
2.0111e-4	0.053177	0.446647	0.499975	Absent	Present	Present	Absent	Absent
1.4349e-4	0.0428483	0.408181	0.548828	Absent	Present	Present	Absent	Absent
6.141e-4	0.0231547	0.643013	0.333218	Absent	Present	Present	Absent	Absent
4.3814e-4	0.0187057	0.582493	0.398363	Absent	Present	Present	Absent	Absent
4.3785e-4	0.0186666	0.585525	0.395371	Absent	Present	Present	Absent	Absent
3.1239e-4	0.0150747	0.530169	0.454444	Absent	Present	Present	Absent	Absent
4.3984e-4	0.018858	0.579949	0.400753	Absent	Present	Present	Absent	Absent
3.1381e-4	0.015229	0.525157	0.4593	Absent	Present	Present	Absent	Absent
3.1361e-4	0.0151973	0.527878	0.456611	Absent	Present	Present	Absent	Absent
2.2375e-4	0.012269	0.477806	0.509701	Absent	Present	Present	Absent	Absent
4.5041e-4	0.0189897	0.586073	0.394486	Absent	Present	Present	Absent	Absent
3.2135e-4	0.015336	0.530697	0.453646	Absent	Present	Present	Absent	Absent
3.2114e-4	0.015304	0.533446	0.450929	Absent	Present	Present	Absent	Absent
2.2912e-4	0.0123557	0.482842	0.504573	Absent	Present	Present	Absent	Absent
3.226e-4	0.0154607	0.5284	0.455817	Absent	Present	Present	Absent	Absent
2.3016e-4	0.012482	0.478304	0.508984	Absent	Present	Present	Absent	Absent
2.3001e-4	0.012456	0.480772	0.506542	Absent	Present	Present	Absent	Absent

1.6411e-4	0.0100535	0.435029	0.554753	Absent	Present	Present	Absent	Absent
5.434e-5	0.0192306	0.589613	0.391102	Absent	Present	Present	Absent	Absent
3.877e-5	0.0154936	0.533876	0.450592	Absent	Present	Present	Absent	Absent
3.874e-5	0.0154617	0.53664	0.447859	Absent	Present	Present	Absent	Absent
2.764e-5	0.0124567	0.485711	0.501804	Absent	Present	Present	Absent	Absent
3.892e-5	0.0156184	0.531568	0.452775	Absent	Present	Present	Absent	Absent
2.777e-5	0.012583	0.48115	0.506239	Absent	Present	Present	Absent	Absent
2.775e-5	0.012557	0.483632	0.503784	Absent	Present	Present	Absent	Absent
1.98e-5	0.0101162	0.4376	0.552265	Absent	Present	Present	Absent	Absent
3.985e-5	0.0157329	0.537175	0.447052	Absent	Present	Present	Absent	Absent
2.843e-5	0.0126752	0.486221	0.501076	Absent	Present	Present	Absent	Absent
2.841e-5	0.0126491	0.488728	0.498594	Absent	Present	Present	Absent	Absent
2.027e-5	0.0101904	0.442207	0.547582	Absent	Present	Present	Absent	Absent
2.854e-5	0.0127773	0.484136	0.503058	Absent	Present	Present	Absent	Absent
2.036e-5	0.0102937	0.438076	0.55161	Absent	Present	Present	Absent	Absent
2.035e-5	0.0102725	0.440327	0.54938	Absent	Present	Present	Absent	Absent
1.452e-5	0.00827552	0.398304	0.593406	Absent	Present	Present	Absent	Absent
0.00432617	0.0953447	0.577209	0.323121	Absent	Present	Present	Absent	Absent
0.00308657	0.0771902	0.530471	0.389253	Absent	Present	Present	Absent	Absent
0.00308456	0.077027	0.533674	0.386215	Absent	Present	Present	Absent	Absent
0.00220073	0.0623226	0.489294	0.446182	Absent	Present	Present	Absent	Absent
0.00309857	0.0778239	0.527398	0.391679	Absent	Present	Present	Absent	Absent
0.00221072	0.0629658	0.483711	0.451113	Absent	Present	Present	Absent	Absent
0.00220928	0.0628331	0.486575	0.448383	Absent	Present	Present	Absent	Absent
0.00157624	0.0508101	0.445337	0.502276	Absent	Present	Present	Absent	Absent
0.003173	0.0783459	0.533164	0.385317	Absent	Present	Present	Absent	Absent
0.00226382	0.063393	0.488971	0.445373	Absent	Present	Present	Absent	Absent
0.00226235	0.0632593	0.491864	0.442614	Absent	Present	Present	Absent	Absent
0.00161411	0.0511583	0.450156	0.497071	Absent	Present	Present	Absent	Absent
0.00227262	0.0639123	0.486239	0.447576	Absent	Present	Present	Absent	Absent
0.00162144	0.0516851	0.445145	0.501549	Absent	Present	Present	Absent	Absent
0.00162038	0.0515765	0.447734	0.49907	Absent	Present	Present	Absent	Absent
0.00115609	0.0416897	0.409143	0.548011	Absent	Present	Present	Absent	Absent
3.8278e-4	0.0804854	0.53725	0.381882	Absent	Present	Present	Absent	Absent
2.731e-4	0.0648596	0.492595	0.442272	Absent	Present	Present	Absent	Absent
2.7292e-4	0.0647258	0.495503	0.439498	Absent	Present	Present	Absent	Absent
1.9472e-4	0.0521564	0.453389	0.49426	Absent	Present	Present	Absent	Absent
2.7416e-4	0.0653825	0.489855	0.444488	Absent	Present	Present	Absent	Absent
1.9561e-4	0.0526855	0.448357	0.498762	Absent	Present	Present	Absent	Absent
1.9548e-4	0.0525768	0.450958	0.496269	Absent	Present	Present	Absent	Absent
1.3947e-4	0.0423643	0.412012	0.545484	Absent	Present	Present	Absent	Absent
2.8075e-4	0.0658598	0.495181	0.438679	Absent	Present	Present	Absent	Absent
2.003e-4	0.0530705	0.453209	0.49352	Absent	Present	Present	Absent	Absent
2.0017e-4	0.052961	0.455837	0.491001	Absent	Present	Present	Absent	Absent
1.4282e-4	0.0426742	0.416452	0.540731	Absent	Present	Present	Absent	Absent
2.0108e-4	0.0534982	0.450768	0.495533	Absent	Present	Present	Absent	Absent
1.4347e-4	0.043107	0.41193	0.54482	Absent	Present	Present	Absent	Absent
1.4337e-4	0.043018	0.414283	0.542556	Absent	Present	Present	Absent	Absent
1.0229e-4	0.0346607	0.377988	0.587249	Absent	Present	Present	Absent	Absent
4.3779e-4	0.0187816	0.590781	0.39	Absent	Present	Present	Absent	Absent
3.1235e-4	0.0151673	0.534923	0.449597	Absent	Present	Present	Absent	Absent
3.1214e-4	0.0151357	0.537692	0.44686	Absent	Present	Present	Absent	Absent
2.227e-4	0.0122193	0.486656	0.500902	Absent	Present	Present	Absent	Absent
3.1356e-4	0.0152906	0.532612	0.451784	Absent	Present	Present	Absent	Absent
2.2371e-4	0.0123442	0.482087	0.505346	Absent	Present	Present	Absent	Absent
2.2357e-4	0.0123185	0.484573	0.502885	Absent	Present	Present	Absent	Absent
1.5951e-4	0.00994208	0.438444	0.551454	Absent	Present	Present	Absent	Absent
3.2109e-4	0.0153981	0.53823	0.446051	Absent	Present	Present	Absent	Absent
2.2909e-4	0.0124314	0.487167	0.500172	Absent	Present	Present	Absent	Absent
2.2894e-4	0.0124055	0.489679	0.497686	Absent	Present	Present	Absent	Absent
1.6334e-4	0.0100127	0.443061	0.546763	Absent	Present	Present	Absent	Absent
2.2998e-4	0.0125324	0.485079	0.502158	Absent	Present	Present	Absent	Absent
1.6408e-4	0.010115	0.438923	0.550798	Absent	Present	Present	Absent	Absent
1.6397e-4	0.0100939	0.441178	0.548564	Absent	Present	Present	Absent	Absent
1.1699e-4	0.0081449	0.399068	0.59267	Absent	Present	Present	Absent	Absent

3.874e-5	0.015555	0.541452	0.442955	Absent	Present	Present	Absent	Absent
2.764e-5	0.0125318	0.490062	0.497378	Absent	Present	Present	Absent	Absent
2.762e-5	0.012506	0.492588	0.494879	Absent	Present	Present	Absent	Absent
1.97e-5	0.0100751	0.445676	0.54423	Absent	Present	Present	Absent	Absent
2.774e-5	0.0126327	0.487964	0.499375	Absent	Present	Present	Absent	Absent
1.979e-5	0.0101772	0.441516	0.548287	Absent	Present	Present	Absent	Absent
1.978e-5	0.0101562	0.443783	0.54604	Absent	Present	Present	Absent	Absent
1.411e-5	0.00818183	0.401411	0.590393	Absent	Present	Present	Absent	Absent
2.841e-5	0.0127254	0.493106	0.49414	Absent	Present	Present	Absent	Absent
2.027e-5	0.0102519	0.446165	0.543563	Absent	Present	Present	Absent	Absent
2.026e-5	0.0102307	0.448456	0.541293	Absent	Present	Present	Absent	Absent
1.445e-5	0.0082419	0.405634	0.586109	Absent	Present	Present	Absent	Absent
2.035e-5	0.0103344	0.444269	0.545377	Absent	Present	Present	Absent	Absent
1.452e-5	0.0083254	0.401866	0.589794	Absent	Present	Present	Absent	Absent
1.451e-5	0.00830825	0.403924	0.587754	Absent	Present	Present	Absent	Absent
1.035e-5	0.00669295	0.365266	0.628031	Absent	Present	Present	Absent	Absent
0.00599796	0.118437	0.622892	0.252673	Absent	Present	Present	Absent	Present
0.00427933	0.0959429	0.57409	0.325687	Absent	Present	Present	Absent	Present
0.00427655	0.0957395	0.57765	0.322334	Absent	Present	Present	Absent	Present
0.00305117	0.0775036	0.530903	0.388542	Absent	Present	Present	Absent	Present
0.00429596	0.0967324	0.570605	0.328367	Absent	Present	Present	Absent	Present
0.00306502	0.0783051	0.524644	0.393986	Absent	Present	Present	Absent	Present
0.00306303	0.0781397	0.527825	0.390972	Absent	Present	Present	Absent	Present
0.00218536	0.0632168	0.484123	0.450475	Absent	Present	Present	Absent	Present
0.00439916	0.0973738	0.576884	0.321343	Absent	Present	Present	Absent	Present
0.00313865	0.0788312	0.530382	0.387648	Absent	Present	Present	Absent	Present
0.00313661	0.0786646	0.533596	0.384603	Absent	Present	Present	Absent	Present
0.00223786	0.0636463	0.489388	0.444728	Absent	Present	Present	Absent	Present
0.00315085	0.0794783	0.52729	0.390081	Absent	Present	Present	Absent	Present
0.00224802	0.0643031	0.483778	0.449671	Absent	Present	Present	Absent	Present
0.00224656	0.0641676	0.486652	0.446934	Absent	Present	Present	Absent	Present
0.00160284	0.0518884	0.44554	0.500969	Absent	Present	Present	Absent	Present
5.307e-4	0.10043	0.58149	0.317549	Absent	Present	Present	Absent	Present
3.7864e-4	0.0809369	0.534459	0.384225	Absent	Present	Present	Absent	Present
3.7839e-4	0.0807698	0.537689	0.381163	Absent	Present	Present	Absent	Present
2.6997e-4	0.0650883	0.493018	0.441624	Absent	Present	Present	Absent	Present
3.8011e-4	0.0815895	0.531358	0.386672	Absent	Present	Present	Absent	Present
2.712e-4	0.0657487	0.487385	0.446595	Absent	Present	Present	Absent	Present
2.7102e-4	0.065613	0.490274	0.443842	Absent	Present	Present	Absent	Present
1.9336e-4	0.0528708	0.448756	0.49818	Absent	Present	Present	Absent	Present
3.8924e-4	0.0821845	0.537168	0.380258	Absent	Present	Present	Absent	Present
2.7771e-4	0.0662287	0.492686	0.440807	Absent	Present	Present	Absent	Present
2.7753e-4	0.066092	0.495604	0.438026	Absent	Present	Present	Absent	Present
1.9801e-4	0.0532573	0.453613	0.492932	Absent	Present	Present	Absent	Present
2.7879e-4	0.0667626	0.489929	0.443029	Absent	Present	Present	Absent	Present
1.9891e-4	0.0537975	0.448558	0.497446	Absent	Present	Present	Absent	Present
1.9878e-4	0.0536865	0.451168	0.494946	Absent	Present	Present	Absent	Present
1.4182e-4	0.0432584	0.412309	0.544291	Absent	Present	Present	Absent	Present
6.0696e-4	0.0233877	0.649493	0.326512	Absent	Present	Present	Absent	Present
4.3305e-4	0.0188927	0.588362	0.392313	Absent	Present	Present	Absent	Present
4.3277e-4	0.0188532	0.591424	0.38929	Absent	Present	Present	Absent	Present
3.0876e-4	0.0152245	0.535509	0.448957	Absent	Present	Present	Absent	Present
4.3473e-4	0.0190464	0.585792	0.394727	Absent	Present	Present	Absent	Present
3.1017e-4	0.0153803	0.530446	0.453863	Absent	Present	Present	Absent	Present
3.0996e-4	0.0153483	0.533195	0.451147	Absent	Present	Present	Absent	Present
2.2115e-4	0.0123903	0.482618	0.50477	Absent	Present	Present	Absent	Present
4.4517e-4	0.0191796	0.591978	0.388397	Absent	Present	Present	Absent	Present
3.1762e-4	0.0154885	0.536042	0.448152	Absent	Present	Present	Absent	Present
3.1741e-4	0.0154562	0.538819	0.445407	Absent	Present	Present	Absent	Present
2.2646e-4	0.0124779	0.487704	0.499591	Absent	Present	Present	Absent	Present
3.1885e-4	0.0156144	0.533723	0.450344	Absent	Present	Present	Absent	Present
2.2749e-4	0.0126055	0.483121	0.504046	Absent	Present	Present	Absent	Present
2.2734e-4	0.0125792	0.485614	0.50158	Absent	Present	Present	Absent	Present
1.622e-4	0.0101524	0.43941	0.550276	Absent	Present	Present	Absent	Present
5.37e-5	0.0194144	0.595553	0.384979	Absent	Present	Present	Absent	Present

3.832e-5	0.0156417	0.539253	0.445067	Absent	Present	Present	Absent	Present
3.829e-5	0.0156094	0.542045	0.442307	Absent	Present	Present	Absent	Present
2.732e-5	0.0125756	0.490603	0.496794	Absent	Present	Present	Absent	Present
3.847e-5	0.0157676	0.536922	0.447272	Absent	Present	Present	Absent	Present
2.744e-5	0.0127031	0.485996	0.501274	Absent	Present	Present	Absent	Present
2.743e-5	0.0126769	0.488502	0.498794	Absent	Present	Present	Absent	Present
1.957e-5	0.0102127	0.442006	0.547762	Absent	Present	Present	Absent	Present
3.939e-5	0.0158832	0.542586	0.441491	Absent	Present	Present	Absent	Present
2.81e-5	0.0127962	0.491117	0.496058	Absent	Present	Present	Absent	Present
2.808e-5	0.0127699	0.49365	0.493552	Absent	Present	Present	Absent	Present
2.004e-5	0.0102877	0.44666	0.543032	Absent	Present	Present	Absent	Present
2.821e-5	0.0128993	0.489012	0.498061	Absent	Present	Present	Absent	Present
2.013e-5	0.0103919	0.442487	0.547101	Absent	Present	Present	Absent	Present
2.012e-5	0.0103705	0.444761	0.544848	Absent	Present	Present	Absent	Present
1.435e-5	0.00835445	0.402314	0.589317	Absent	Present	Present	Absent	Present
0.00427591	0.0963418	0.583068	0.316314	Absent	Present	Present	Absent	Present
0.00305071	0.0779887	0.53585	0.383111	Absent	Present	Present	Absent	Present
0.00304873	0.0778239	0.539085	0.380042	Absent	Present	Present	Absent	Present
0.00217516	0.0629612	0.494251	0.440613	Absent	Present	Present	Absent	Present
0.00306257	0.0786287	0.532747	0.385562	Absent	Present	Present	Absent	Present
0.00218504	0.0636106	0.488611	0.445593	Absent	Present	Present	Absent	Present
0.00218362	0.0634766	0.491504	0.442836	Absent	Present	Present	Absent	Present
0.00155793	0.0513261	0.449845	0.497271	Absent	Present	Present	Absent	Present
0.00313614	0.0791572	0.538571	0.379136	Absent	Present	Present	Absent	Present
0.00223753	0.064043	0.493924	0.439795	Absent	Present	Present	Absent	Present
0.00223607	0.0639081	0.496847	0.437009	Absent	Present	Present	Absent	Present
0.00159536	0.0516784	0.454713	0.492014	Absent	Present	Present	Absent	Present
0.00224622	0.0645675	0.491165	0.442021	Absent	Present	Present	Absent	Present
0.0016026	0.0522104	0.449651	0.496536	Absent	Present	Present	Absent	Present
0.00160156	0.0521007	0.452266	0.494032	Absent	Present	Present	Absent	Present
0.00114266	0.0421101	0.413282	0.543466	Absent	Present	Present	Absent	Present
3.7834e-4	0.0812581	0.542698	0.375665	Absent	Present	Present	Absent	Present
2.6993e-4	0.0654816	0.497585	0.436664	Absent	Present	Present	Absent	Present
2.6975e-4	0.0653464	0.500522	0.433862	Absent	Present	Present	Absent	Present
1.9246e-4	0.0526561	0.457977	0.489174	Absent	Present	Present	Absent	Present
2.7098e-4	0.0660094	0.494818	0.438902	Absent	Present	Present	Absent	Present
1.9333e-4	0.0531901	0.452895	0.493722	Absent	Present	Present	Absent	Present
1.9321e-4	0.0530804	0.455523	0.491204	Absent	Present	Present	Absent	Present
1.3785e-4	0.0427697	0.416179	0.540914	Absent	Present	Present	Absent	Present
2.7749e-4	0.0664914	0.500197	0.433034	Absent	Present	Present	Absent	Present
1.9798e-4	0.0535789	0.457796	0.488427	Absent	Present	Present	Absent	Present
1.9785e-4	0.0534684	0.460451	0.485883	Absent	Present	Present	Absent	Present
1.4116e-4	0.0430826	0.420664	0.536113	Absent	Present	Present	Absent	Present
1.9875e-4	0.0540107	0.455331	0.49046	Absent	Present	Present	Absent	Present
1.418e-4	0.0435195	0.416096	0.540242	Absent	Present	Present	Absent	Present
1.4171e-4	0.0434297	0.418473	0.537956	Absent	Present	Present	Absent	Present
1.011e-4	0.0349922	0.381809	0.583098	Absent	Present	Present	Absent	Present
4.327e-4	0.0189693	0.596733	0.383865	Absent	Present	Present	Absent	Present
3.0872e-4	0.015318	0.540311	0.444062	Absent	Present	Present	Absent	Present
3.0852e-4	0.015286	0.543108	0.441297	Absent	Present	Present	Absent	Present
2.2012e-4	0.01234	0.491557	0.495883	Absent	Present	Present	Absent	Present
3.0992e-4	0.0154425	0.537976	0.446271	Absent	Present	Present	Absent	Present
2.2112e-4	0.0124662	0.486942	0.500371	Absent	Present	Present	Absent	Present
2.2097e-4	0.0124402	0.489453	0.497886	Absent	Present	Present	Absent	Present
1.5766e-4	0.0100399	0.442859	0.546943	Absent	Present	Present	Absent	Present
3.1736e-4	0.0155511	0.543651	0.44048	Absent	Present	Present	Absent	Present
2.2643e-4	0.0125544	0.492073	0.495146	Absent	Present	Present	Absent	Present
2.2628e-4	0.0125282	0.49461	0.492635	Absent	Present	Present	Absent	Present
1.6144e-4	0.0101113	0.447522	0.542205	Absent	Present	Present	Absent	Present
2.2731e-4	0.0126563	0.489964	0.497152	Absent	Present	Present	Absent	Present
1.6218e-4	0.0102145	0.443343	0.546281	Absent	Present	Present	Absent	Present
1.6207e-4	0.0101933	0.445621	0.544024	Absent	Present	Present	Absent	Present
1.1563e-4	0.00822475	0.403086	0.588573	Absent	Present	Present	Absent	Present
3.829e-5	0.0157036	0.546906	0.437353	Absent	Present	Present	Absent	Present
2.732e-5	0.0126515	0.494997	0.492324	Absent	Present	Present	Absent	Present

2.73e-5	0.0126254	0.497548	0.489799	Absent	Present	Present	Absent	Present
1.948e-5	0.0101712	0.450163	0.539646	Absent	Present	Present	Absent	Present
2.742e-5	0.0127533	0.492878	0.494341	Absent	Present	Present	Absent	Present
1.956e-5	0.0102743	0.445962	0.543745	Absent	Present	Present	Absent	Present
1.955e-5	0.0102531	0.448252	0.541475	Absent	Present	Present	Absent	Present
1.395e-5	0.00825986	0.405452	0.586274	Absent	Present	Present	Absent	Present
2.808e-5	0.0128469	0.498072	0.489053	Absent	Present	Present	Absent	Present
2.003e-5	0.0103497	0.450657	0.538973	Absent	Present	Present	Absent	Present
2.002e-5	0.0103284	0.452972	0.53668	Absent	Present	Present	Absent	Present
1.428e-5	0.0083205	0.409718	0.581947	Absent	Present	Present	Absent	Present
2.011e-5	0.010433	0.448742	0.540805	Absent	Present	Present	Absent	Present
1.435e-5	0.0084048	0.405912	0.585669	Absent	Present	Present	Absent	Present
1.434e-5	0.00838749	0.40799	0.583608	Absent	Present	Present	Absent	Present
1.023e-5	0.00675676	0.368943	0.62429	Absent	Present	Present	Absent	Present
0.00429459	0.0957139	0.576374	0.323618	Absent	Present	Present	Absent	Present
0.00306404	0.0774847	0.52975	0.389701	Absent	Present	Present	Absent	Present
0.00306205	0.0773209	0.532951	0.386666	Absent	Present	Present	Absent	Present
0.00218466	0.0625573	0.488669	0.446589	Absent	Present	Present	Absent	Present
0.00307595	0.0781206	0.526677	0.392126	Absent	Present	Present	Absent	Present
0.00219458	0.0632027	0.483087	0.451516	Absent	Present	Present	Absent	Present
0.00219316	0.0630695	0.485949	0.448788	Absent	Present	Present	Absent	Present
0.00156474	0.050999	0.444794	0.502642	Absent	Present	Present	Absent	Present
0.00314984	0.0786452	0.532436	0.385769	Absent	Present	Present	Absent	Present
0.0022473	0.0636319	0.488341	0.44578	Absent	Present	Present	Absent	Present
0.00224584	0.0634978	0.491233	0.443023	Absent	Present	Present	Absent	Present
0.00160233	0.0513488	0.449608	0.497441	Absent	Present	Present	Absent	Present
0.00225604	0.0641531	0.485609	0.447982	Absent	Present	Present	Absent	Present
0.0016096	0.0518776	0.444598	0.501915	Absent	Present	Present	Absent	Present
0.00160856	0.0517685	0.447185	0.499437	Absent	Present	Present	Absent	Present
0.00114765	0.0418433	0.408666	0.548343	Absent	Present	Present	Absent	Present
3.7999e-4	0.0807621	0.536523	0.382335	Absent	Present	Present	Absent	Present
2.7111e-4	0.0650823	0.491965	0.442682	Absent	Present	Present	Absent	Present
2.7093e-4	0.0649479	0.494871	0.43991	Absent	Present	Present	Absent	Present
1.933e-4	0.0523352	0.45284	0.494631	Absent	Present	Present	Absent	Present
2.7216e-4	0.0656069	0.489225	0.444896	Absent	Present	Present	Absent	Present
1.9418e-4	0.052866	0.447809	0.49913	Absent	Present	Present	Absent	Present
1.9405e-4	0.052757	0.45041	0.496639	Absent	Present	Present	Absent	Present
1.3845e-4	0.0425093	0.411534	0.545818	Absent	Present	Present	Absent	Present
2.787e-4	0.0660859	0.494544	0.439091	Absent	Present	Present	Absent	Present
1.9884e-4	0.0532524	0.452656	0.493892	Absent	Present	Present	Absent	Present
1.9871e-4	0.0531426	0.455283	0.491375	Absent	Present	Present	Absent	Present
1.4178e-4	0.0428203	0.415969	0.541068	Absent	Present	Present	Absent	Present
1.9962e-4	0.0536816	0.450215	0.495903	Absent	Present	Present	Absent	Present
1.4242e-4	0.0432545	0.411449	0.545154	Absent	Present	Present	Absent	Present
1.4233e-4	0.0431653	0.413801	0.542892	Absent	Present	Present	Absent	Present
1.0154e-4	0.0347792	0.377567	0.587552	Absent	Present	Present	Absent	Present
4.3459e-4	0.0188499	0.590268	0.390447	Absent	Present	Present	Absent	Present
3.1007e-4	0.015222	0.534466	0.450002	Absent	Present	Present	Absent	Present
3.0986e-4	0.0151903	0.537234	0.447266	Absent	Present	Present	Absent	Present
2.2108e-4	0.012263	0.486247	0.501269	Absent	Present	Present	Absent	Present
3.1127e-4	0.0153458	0.532156	0.452187	Absent	Present	Present	Absent	Present
2.2208e-4	0.0123884	0.481681	0.505709	Absent	Present	Present	Absent	Present
2.2194e-4	0.0123626	0.484165	0.50325	Absent	Present	Present	Absent	Present
1.5834e-4	0.00997746	0.438081	0.551783	Absent	Present	Present	Absent	Present
3.1875e-4	0.0154537	0.53777	0.446458	Absent	Present	Present	Absent	Present
2.2742e-4	0.012476	0.486757	0.500539	Absent	Present	Present	Absent	Present
2.2727e-4	0.01245	0.489267	0.498055	Absent	Present	Present	Absent	Present
1.6215e-4	0.0100484	0.442694	0.547096	Absent	Present	Present	Absent	Present
2.283e-4	0.0125773	0.48467	0.502524	Absent	Present	Present	Absent	Present
1.6288e-4	0.010151	0.438558	0.551128	Absent	Present	Present	Absent	Present
1.6278e-4	0.0101299	0.440812	0.548895	Absent	Present	Present	Absent	Present
1.1614e-4	0.00817374	0.398741	0.592969	Absent	Present	Present	Absent	Present
3.845e-5	0.0156081	0.54099	0.443364	Absent	Present	Present	Absent	Present
2.743e-5	0.0125746	0.48965	0.497748	Absent	Present	Present	Absent	Present
2.742e-5	0.0125486	0.492174	0.49525	Absent	Present	Present	Absent	Present

1.956e-5	0.0101094	0.445307	0.544564	Absent	Present	Present	Absent	Present
2.754e-5	0.0126758	0.487553	0.499743	Absent	Present	Present	Absent	Present
1.965e-5	0.0102119	0.44115	0.548619	Absent	Present	Present	Absent	Present
1.964e-5	0.0101908	0.443416	0.546374	Absent	Present	Present	Absent	Present
1.401e-5	0.0082097	0.401083	0.590694	Absent	Present	Present	Absent	Present
2.82e-5	0.0127688	0.492691	0.494511	Absent	Present	Present	Absent	Present
2.012e-5	0.0102868	0.445795	0.543898	Absent	Present	Present	Absent	Present
2.011e-5	0.0102656	0.448085	0.54163	Absent	Present	Present	Absent	Present
1.435e-5	0.00826997	0.405303	0.586413	Absent	Present	Present	Absent	Present
2.02e-5	0.0103696	0.4439	0.54571	Absent	Present	Present	Absent	Present
1.441e-5	0.00835376	0.401537	0.590095	Absent	Present	Present	Absent	Present
1.44e-5	0.00833655	0.403593	0.588056	Absent	Present	Present	Absent	Present
1.028e-5	0.00671574	0.36497	0.628304	Absent	Present	Present	Absent	Present
0.0030616	0.077805	0.537916	0.381217	Absent	Present	Present	Absent	Present
0.00218434	0.0629471	0.493196	0.441673	Absent	Present	Present	Absent	Present
0.00218292	0.0628145	0.496107	0.438896	Absent	Present	Present	Absent	Present
0.00155744	0.0507927	0.453933	0.493717	Absent	Present	Present	Absent	Present
0.00219283	0.0634625	0.490453	0.443891	Absent	Present	Present	Absent	Present
0.00156451	0.0513155	0.448896	0.498224	Absent	Present	Present	Absent	Present
0.00156349	0.0512077	0.451501	0.495728	Absent	Present	Present	Absent	Present
0.0011155	0.0413874	0.412501	0.544996	Absent	Present	Present	Absent	Present
0.00224551	0.0638937	0.495785	0.438076	Absent	Present	Present	Absent	Present
0.00160209	0.0516676	0.453754	0.492976	Absent	Present	Present	Absent	Present
0.00160105	0.0515591	0.456385	0.490454	Absent	Present	Present	Absent	Present
0.00114229	0.0416739	0.416946	0.540238	Absent	Present	Present	Absent	Present
0.00160832	0.0520899	0.451311	0.494991	Absent	Present	Present	Absent	Present
0.00114748	0.0421021	0.41242	0.544331	Absent	Present	Present	Absent	Present
0.00114673	0.0420138	0.414775	0.542064	Absent	Present	Present	Absent	Present
8.1815e-4	0.0339442	0.378433	0.586805	Absent	Present	Present	Absent	Present
2.7089e-4	0.0653404	0.499454	0.434935	Absent	Present	Present	Absent	Present
1.9327e-4	0.0526513	0.457013	0.490142	Absent	Present	Present	Absent	Present
1.9315e-4	0.0525426	0.459658	0.487606	Absent	Present	Present	Absent	Present
1.378e-4	0.0423366	0.419858	0.537668	Absent	Present	Present	Absent	Present
1.9402e-4	0.0530756	0.454562	0.492168	Absent	Present	Present	Absent	Present
1.3843e-4	0.0427659	0.415312	0.541784	Absent	Present	Present	Absent	Present
1.3834e-4	0.0426777	0.417679	0.539505	Absent	Present	Present	Absent	Present
9.87e-5	0.0343861	0.38102	0.584496	Absent	Present	Present	Absent	Present
1.9868e-4	0.0534635	0.459481	0.486857	Absent	Present	Present	Absent	Present
1.4175e-4	0.0430788	0.419788	0.536992	Absent	Present	Present	Absent	Present
1.4166e-4	0.0429899	0.42218	0.534689	Absent	Present	Present	Absent	Present
1.0107e-4	0.0346379	0.385111	0.58015	Absent	Present	Present	Absent	Present
1.4231e-4	0.0434259	0.417601	0.538831	Absent	Present	Present	Absent	Present
1.0153e-4	0.0349891	0.381021	0.583888	Absent	Present	Present	Absent	Present
1.0146e-4	0.0349169	0.383163	0.581818	Absent	Present	Present	Absent	Present
7.239e-5	0.0281321	0.34912	0.622675	Absent	Present	Present	Absent	Present
3.0982e-4	0.0152836	0.542051	0.442356	Absent	Present	Present	Absent	Present
2.2104e-4	0.0123382	0.490602	0.496838	Absent	Present	Present	Absent	Present
2.209e-4	0.0123125	0.493131	0.494336	Absent	Present	Present	Absent	Present
1.5761e-4	0.009937	0.446166	0.54374	Absent	Present	Present	Absent	Present
2.219e-4	0.0124383	0.488502	0.498838	Absent	Present	Present	Absent	Present
1.5832e-4	0.0100385	0.442001	0.547802	Absent	Present	Present	Absent	Present
1.5822e-4	0.0100176	0.444272	0.545553	Absent	Present	Present	Absent	Present
1.1288e-4	0.0080829	0.401852	0.589953	Absent	Present	Present	Absent	Present
2.2723e-4	0.0125263	0.49365	0.493596	Absent	Present	Present	Absent	Present
1.6212e-4	0.0101098	0.446656	0.543073	Absent	Present	Present	Absent	Present
1.6202e-4	0.0100888	0.448949	0.5408	Absent	Present	Present	Absent	Present
1.1559e-4	0.00814059	0.40608	0.585664	Absent	Present	Present	Absent	Present
1.6275e-4	0.0101918	0.444757	0.544888	Absent	Present	Present	Absent	Present
1.1612e-4	0.00822363	0.402307	0.589353	Absent	Present	Present	Absent	Present
1.1604e-4	0.00820655	0.404367	0.587311	Absent	Present	Present	Absent	Present
8.279e-5	0.00662038	0.365666	0.627631	Absent	Present	Present	Absent	Present
2.741e-5	0.0126243	0.496583	0.490766	Absent	Present	Present	Absent	Present
1.956e-5	0.0101704	0.449292	0.540519	Absent	Present	Present	Absent	Present
1.955e-5	0.0101494	0.451598	0.538233	Absent	Present	Present	Absent	Present
1.395e-5	0.00817633	0.408461	0.583348	Absent	Present	Present	Absent	Present

1.963e-5	0.0102523	0.447384	0.542344	Absent	Present	Present	Absent	Present
1.401e-5	0.00825918	0.404669	0.587058	Absent	Present	Present	Absent	Present
1.4e-5	0.00824216	0.40674	0.585004	Absent	Present	Present	Absent	Present
9.99e-6	0.00663968	0.367801	0.625549	Absent	Present	Present	Absent	Present
2.011e-5	0.0103275	0.452094	0.537558	Absent	Present	Present	Absent	Present
1.434e-5	0.00831981	0.408927	0.582739	Absent	Present	Present	Absent	Present
1.434e-5	0.00830267	0.411019	0.580664	Absent	Present	Present	Absent	Present
1.023e-5	0.00668844	0.371668	0.621633	Absent	Present	Present	Absent	Present
1.44e-5	0.00838679	0.407202	0.584397	Absent	Present	Present	Absent	Present
1.027e-5	0.0067562	0.368232	0.625002	Absent	Present	Present	Absent	Present
1.027e-5	0.00674229	0.370111	0.623137	Absent	Present	Present	Absent	Present
7.33e-6	0.00543131	0.334605	0.659957	Absent	Present	Present	Absent	Present
0.00601587	0.116902	0.611774	0.265308	Absent	Present	Present	Present	Absent
0.00429212	0.0947085	0.563911	0.337088	Absent	Present	Present	Present	Absent
0.00428933	0.0945076	0.567412	0.333791	Absent	Present	Present	Present	Absent
0.00306028	0.0765126	0.521546	0.398881	Absent	Present	Present	Present	Absent
0.0043088	0.0954882	0.560481	0.339722	Absent	Present	Present	Present	Absent
0.00307418	0.0773042	0.51539	0.404232	Absent	Present	Present	Present	Absent
0.00307218	0.0771408	0.518518	0.401269	Absent	Present	Present	Present	Absent
0.00219189	0.0624131	0.475629	0.459766	Absent	Present	Present	Present	Absent
0.00441231	0.0961202	0.566651	0.332817	Absent	Present	Present	Present	Absent
0.00314803	0.0778227	0.521028	0.398002	Absent	Present	Present	Present	Absent
0.00314598	0.0776581	0.524189	0.395007	Absent	Present	Present	Present	Absent
0.00224455	0.0628366	0.480803	0.454116	Absent	Present	Present	Present	Absent
0.00316026	0.0784618	0.517985	0.400393	Absent	Present	Present	Present	Absent
0.00225474	0.0634852	0.475284	0.458976	Absent	Present	Present	Present	Absent
0.00225327	0.0633514	0.478111	0.456285	Absent	Present	Present	Present	Absent
0.00160763	0.0512316	0.437754	0.509406	Absent	Present	Present	Present	Absent
5.3229e-4	0.0991977	0.571182	0.329088	Absent	Present	Present	Present	Absent
3.7977e-4	0.0799446	0.525039	0.394637	Absent	Present	Present	Present	Absent
3.7952e-4	0.0797796	0.528215	0.391626	Absent	Present	Present	Present	Absent
2.7078e-4	0.0642909	0.484374	0.451065	Absent	Present	Present	Present	Absent
3.8125e-4	0.0805893	0.521988	0.397042	Absent	Present	Present	Present	Absent
2.7201e-4	0.0649432	0.478833	0.455952	Absent	Present	Present	Present	Absent
2.7183e-4	0.0648091	0.481673	0.453246	Absent	Present	Present	Present	Absent
1.9394e-4	0.0522235	0.440918	0.506664	Absent	Present	Present	Present	Absent
3.904e-4	0.0811769	0.527697	0.390736	Absent	Present	Present	Present	Absent
2.7854e-4	0.0654173	0.484042	0.450262	Absent	Present	Present	Present	Absent
2.7836e-4	0.0652822	0.486912	0.447528	Absent	Present	Present	Present	Absent
1.986e-4	0.0526051	0.445691	0.501505	Absent	Present	Present	Present	Absent
2.7962e-4	0.0659446	0.48133	0.452446	Absent	Present	Present	Present	Absent
1.995e-4	0.0531387	0.440719	0.505943	Absent	Present	Present	Present	Absent
1.9937e-4	0.0530291	0.443286	0.503485	Absent	Present	Present	Present	Absent
1.4224e-4	0.042729	0.405133	0.551996	Absent	Present	Present	Present	Absent
6.0878e-4	0.0230934	0.638399	0.337899	Absent	Present	Present	Present	Absent
4.3434e-4	0.0186558	0.578323	0.402587	Absent	Present	Present	Present	Absent
4.3406e-4	0.0186168	0.581333	0.399616	Absent	Present	Present	Present	Absent
3.0969e-4	0.0150342	0.526382	0.458274	Absent	Present	Present	Present	Absent
4.3603e-4	0.0188077	0.575795	0.404961	Absent	Present	Present	Present	Absent
3.1109e-4	0.0151882	0.521404	0.463097	Absent	Present	Present	Present	Absent
3.1089e-4	0.0151565	0.524106	0.460426	Absent	Present	Present	Present	Absent
2.2181e-4	0.0122359	0.474399	0.513143	Absent	Present	Present	Present	Absent
4.465e-4	0.018939	0.581877	0.398738	Absent	Present	Present	Present	Absent
3.1857e-4	0.0152949	0.526905	0.457482	Absent	Present	Present	Present	Absent
3.1836e-4	0.015263	0.529635	0.454784	Absent	Present	Present	Present	Absent
2.2714e-4	0.0123224	0.479399	0.508052	Absent	Present	Present	Present	Absent
3.198e-4	0.0154193	0.524624	0.459637	Absent	Present	Present	Present	Absent
2.2817e-4	0.0124484	0.474892	0.512432	Absent	Present	Present	Present	Absent
2.2802e-4	0.0124224	0.477343	0.510006	Absent	Present	Present	Present	Absent
1.6268e-4	0.0100262	0.431932	0.557879	Absent	Present	Present	Present	Absent
5.387e-5	0.0191769	0.585392	0.395377	Absent	Present	Present	Present	Absent
3.843e-5	0.0154504	0.530062	0.454449	Absent	Present	Present	Present	Absent
3.841e-5	0.0154186	0.532807	0.451736	Absent	Present	Present	Present	Absent
2.74e-5	0.0124219	0.482249	0.505302	Absent	Present	Present	Present	Absent
3.858e-5	0.0155749	0.52777	0.456617	Absent	Present	Present	Present	Absent

2.753e-5	0.0125478	0.477719	0.509706	Absent	Present	Present	Present	Absent
2.751e-5	0.012522	0.480183	0.507268	Absent	Present	Present	Present	Absent
1.963e-5	0.010088	0.434484	0.555408	Absent	Present	Present	Present	Absent
3.951e-5	0.015689	0.533337	0.450934	Absent	Present	Present	Present	Absent
2.819e-5	0.0126399	0.482753	0.504579	Absent	Present	Present	Present	Absent
2.817e-5	0.0126138	0.485243	0.502114	Absent	Present	Present	Present	Absent
2.01e-5	0.010162	0.439059	0.550758	Absent	Present	Present	Present	Absent
2.83e-5	0.0127416	0.480683	0.506547	Absent	Present	Present	Present	Absent
2.019e-5	0.0102649	0.434957	0.554758	Absent	Present	Present	Present	Absent
2.018e-5	0.0102438	0.437193	0.552544	Absent	Present	Present	Present	Absent
1.439e-5	0.0082524	0.395473	0.59626	Absent	Present	Present	Present	Absent
0.00428869	0.0951027	0.572736	0.327873	Absent	Present	Present	Present	Absent
0.00305983	0.0769918	0.526408	0.393541	Absent	Present	Present	Present	Absent
0.00305784	0.0768291	0.529589	0.390524	Absent	Present	Present	Present	Absent
0.00218166	0.0621607	0.485587	0.450071	Absent	Present	Present	Present	Absent
0.00307172	0.0776238	0.523354	0.39595	Absent	Present	Present	Present	Absent
0.00219157	0.0628021	0.48004	0.454967	Absent	Present	Present	Present	Absent
0.00219014	0.0626698	0.482884	0.452256	Absent	Present	Present	Present	Absent
0.00156259	0.0506768	0.44199	0.505771	Absent	Present	Present	Present	Absent
0.00314551	0.0781448	0.529077	0.389633	Absent	Present	Present	Present	Absent
0.00224421	0.0632285	0.485261	0.449267	Absent	Present	Present	Present	Absent
0.00224275	0.0630952	0.488135	0.446528	Absent	Present	Present	Present	Absent
0.00160013	0.0510243	0.446773	0.500602	Absent	Present	Present	Present	Absent
0.00225294	0.0637464	0.482546	0.451455	Absent	Present	Present	Present	Absent
0.00160739	0.0515497	0.441795	0.505048	Absent	Present	Present	Present	Absent
0.00160635	0.0514414	0.444366	0.502587	Absent	Present	Present	Present	Absent
0.00114607	0.0415795	0.40609	0.551184	Absent	Present	Present	Present	Absent
3.7947e-4	0.0802619	0.533137	0.386221	Absent	Present	Present	Present	Absent
2.7074e-4	0.0646793	0.488862	0.446188	Absent	Present	Present	Present	Absent
2.7056e-4	0.0645459	0.49175	0.443434	Absent	Present	Present	Present	Absent
1.9304e-4	0.0520113	0.449985	0.497811	Absent	Present	Present	Present	Absent
2.7179e-4	0.0652007	0.486139	0.448389	Absent	Present	Present	Present	Absent
1.9391e-4	0.0525389	0.444986	0.502282	Absent	Present	Present	Present	Absent
1.9379e-4	0.0524305	0.447569	0.499806	Absent	Present	Present	Present	Absent
1.3826e-4	0.0422463	0.40894	0.548676	Absent	Present	Present	Present	Absent
2.7832e-4	0.0656767	0.491425	0.44262	Absent	Present	Present	Present	Absent
1.9857e-4	0.0529228	0.449802	0.497077	Absent	Present	Present	Present	Absent
1.9844e-4	0.0528137	0.452413	0.494575	Absent	Present	Present	Present	Absent
1.4158e-4	0.0425554	0.413347	0.543956	Absent	Present	Present	Present	Absent
1.9934e-4	0.0533494	0.447376	0.499075	Absent	Present	Present	Present	Absent
1.4222e-4	0.0429869	0.408855	0.548016	Absent	Present	Present	Present	Absent
1.4213e-4	0.0428982	0.411192	0.545768	Absent	Present	Present	Present	Absent
1.0141e-4	0.0345641	0.375188	0.590147	Absent	Present	Present	Present	Absent
4.34e-4	0.0187315	0.586552	0.394282	Absent	Present	Present	Present	Absent
3.0964e-4	0.0151266	0.531102	0.453462	Absent	Present	Present	Present	Absent
3.0944e-4	0.0150951	0.533852	0.450743	Absent	Present	Present	Present	Absent
2.2077e-4	0.0121863	0.483187	0.504407	Absent	Present	Present	Present	Absent
3.1084e-4	0.0152496	0.528806	0.455633	Absent	Present	Present	Present	Absent
2.2178e-4	0.0123109	0.478649	0.508819	Absent	Present	Present	Present	Absent
2.2163e-4	0.0122852	0.481118	0.506376	Absent	Present	Present	Present	Absent
1.5813e-4	0.00991513	0.435324	0.554603	Absent	Present	Present	Present	Absent
3.1831e-4	0.0153568	0.534385	0.44994	Absent	Present	Present	Present	Absent
2.271e-4	0.0123979	0.483693	0.503682	Absent	Present	Present	Present	Absent
2.2696e-4	0.0123721	0.486188	0.501213	Absent	Present	Present	Present	Absent
1.6193e-4	0.00998557	0.439907	0.549945	Absent	Present	Present	Present	Absent
2.2799e-4	0.0124986	0.48162	0.505654	Absent	Present	Present	Present	Absent
1.6266e-4	0.0100875	0.435798	0.553952	Absent	Present	Present	Present	Absent
1.6255e-4	0.0100666	0.438038	0.551733	Absent	Present	Present	Present	Absent
1.1598e-4	0.00812275	0.396232	0.59553	Absent	Present	Present	Present	Absent
3.84e-5	0.0155116	0.537584	0.446866	Absent	Present	Present	Present	Absent
2.74e-5	0.0124968	0.486568	0.500907	Absent	Present	Present	Present	Absent
2.738e-5	0.0124711	0.489076	0.498425	Absent	Present	Present	Present	Absent
1.953e-5	0.010047	0.442504	0.54743	Absent	Present	Present	Present	Absent
2.75e-5	0.0125975	0.484485	0.502891	Absent	Present	Present	Present	Absent
1.962e-5	0.0101488	0.438373	0.551459	Absent	Present	Present	Present	Absent

1.961e-5	0.0101279	0.440625	0.549228	Absent	Present	Present	Present	Absent
1.399e-5	0.00815897	0.398558	0.593269	Absent	Present	Present	Present	Absent
2.816e-5	0.0126899	0.48959	0.497692	Absent	Present	Present	Present	Absent
2.009e-5	0.0102232	0.442989	0.546768	Absent	Present	Present	Present	Absent
2.008e-5	0.0102022	0.445264	0.544514	Absent	Present	Present	Present	Absent
1.433e-5	0.00821887	0.402752	0.589015	Absent	Present	Present	Present	Absent
2.017e-5	0.0103055	0.441106	0.548568	Absent	Present	Present	Present	Absent
1.439e-5	0.00830214	0.399009	0.592674	Absent	Present	Present	Present	Absent
1.438e-5	0.00828504	0.401053	0.590648	Absent	Present	Present	Present	Absent
1.026e-5	0.00667425	0.362673	0.630642	Absent	Present	Present	Present	Absent
0.00430743	0.0944821	0.566157	0.335054	Absent	Present	Present	Present	Absent
0.0030732	0.0764937	0.520414	0.40002	Absent	Present	Present	Present	Absent
0.0030712	0.076332	0.523561	0.397036	Absent	Present	Present	Present	Absent
0.00219119	0.0617616	0.480101	0.455946	Absent	Present	Present	Present	Absent
0.00308514	0.0771218	0.51739	0.402403	Absent	Present	Present	Present	Absent
0.00220114	0.062399	0.474611	0.460789	Absent	Present	Present	Present	Absent
0.00219971	0.0622675	0.477425	0.458107	Absent	Present	Present	Present	Absent
0.00156941	0.0503537	0.437026	0.511051	Absent	Present	Present	Present	Absent
0.00315926	0.0776388	0.523048	0.396154	Absent	Present	Present	Present	Absent
0.00225402	0.0628223	0.479773	0.45515	Absent	Present	Present	Present	Absent
0.00225255	0.0626898	0.482617	0.45244	Absent	Present	Present	Present	Absent
0.00160712	0.0506986	0.441757	0.505938	Absent	Present	Present	Present	Absent
0.00226278	0.0633369	0.477085	0.457315	Absent	Present	Present	Present	Absent
0.00161441	0.0512208	0.436829	0.510336	Absent	Present	Present	Present	Absent
0.00161336	0.0511131	0.439373	0.507901	Absent	Present	Present	Present	Absent
0.00115108	0.0413158	0.401554	0.555979	Absent	Present	Present	Present	Absent
3.8112e-4	0.079772	0.527068	0.392778	Absent	Present	Present	Present	Absent
2.7192e-4	0.0642849	0.483339	0.452105	Absent	Present	Present	Present	Absent
2.7174e-4	0.0641522	0.486196	0.44938	Absent	Present	Present	Present	Absent
1.9388e-4	0.0516944	0.444936	0.503176	Absent	Present	Present	Present	Absent
2.7298e-4	0.0648031	0.480642	0.454282	Absent	Present	Present	Present	Absent
1.9476e-4	0.0522187	0.439988	0.507599	Absent	Present	Present	Present	Absent
1.9463e-4	0.052111	0.442544	0.50515	Absent	Present	Present	Present	Absent
1.3886e-4	0.0419891	0.404375	0.553497	Absent	Present	Present	Present	Absent
2.7953e-4	0.0652761	0.48587	0.448575	Absent	Present	Present	Present	Absent
1.9944e-4	0.0526003	0.444751	0.502449	Absent	Present	Present	Present	Absent
1.9931e-4	0.0524918	0.447334	0.499975	Absent	Present	Present	Present	Absent
1.422e-4	0.0422962	0.408734	0.548828	Absent	Present	Present	Present	Absent
2.0021e-4	0.0530243	0.442349	0.504426	Absent	Present	Present	Present	Absent
1.4284e-4	0.0427251	0.404288	0.552844	Absent	Present	Present	Present	Absent
1.4275e-4	0.042637	0.4066	0.55062	Absent	Present	Present	Present	Absent
1.0185e-4	0.0343538	0.371019	0.594525	Absent	Present	Present	Present	Absent
4.3589e-4	0.0186136	0.580197	0.400753	Absent	Present	Present	Present	Absent
3.1099e-4	0.0150318	0.525357	0.4593	Absent	Present	Present	Present	Absent
3.1079e-4	0.0150004	0.528078	0.456611	Absent	Present	Present	Present	Absent
2.2174e-4	0.0121102	0.477967	0.509701	Absent	Present	Present	Present	Absent
3.122e-4	0.015154	0.523085	0.461449	Absent	Present	Present	Present	Absent
2.2274e-4	0.012234	0.473477	0.514066	Absent	Present	Present	Present	Absent
2.226e-4	0.0122085	0.47592	0.511649	Absent	Present	Present	Present	Absent
1.5882e-4	0.00985345	0.430626	0.559362	Absent	Present	Present	Present	Absent
3.197e-4	0.0152605	0.528603	0.455817	Absent	Present	Present	Present	Absent
2.281e-4	0.0123205	0.478467	0.508984	Absent	Present	Present	Present	Absent
2.2795e-4	0.0122948	0.480935	0.506542	Absent	Present	Present	Present	Absent
1.6263e-4	0.00992342	0.435161	0.554753	Absent	Present	Present	Present	Absent
2.2898e-4	0.0124205	0.476416	0.510935	Absent	Present	Present	Present	Absent
1.6337e-4	0.0100248	0.431095	0.558717	Absent	Present	Present	Present	Absent
1.6326e-4	0.0100039	0.433311	0.556522	Absent	Present	Present	Present	Absent
1.1648e-4	0.00807235	0.391961	0.599851	Absent	Present	Present	Present	Absent
3.857e-5	0.0154172	0.531769	0.452775	Absent	Present	Present	Present	Absent
2.752e-5	0.0124209	0.481312	0.506239	Absent	Present	Present	Present	Absent
2.75e-5	0.0123953	0.483794	0.503784	Absent	Present	Present	Present	Absent
1.962e-5	0.00998592	0.43773	0.552265	Absent	Present	Present	Present	Absent
2.762e-5	0.0125209	0.47925	0.508201	Absent	Present	Present	Present	Absent
1.971e-5	0.0100871	0.433643	0.556251	Absent	Present	Present	Present	Absent
1.97e-5	0.0100663	0.43587	0.554043	Absent	Present	Present	Present	Absent

1.405e-5	0.00810942	0.394263	0.597614	Absent	Present	Present	Present	Absent
2.829e-5	0.0126127	0.484301	0.503058	Absent	Present	Present	Present	Absent
2.018e-5	0.0101611	0.438209	0.55161	Absent	Present	Present	Present	Absent
2.017e-5	0.0101402	0.44046	0.54938	Absent	Present	Present	Present	Absent
1.439e-5	0.00816895	0.398411	0.593406	Absent	Present	Present	Present	Absent
2.026e-5	0.0102429	0.436345	0.553391	Absent	Present	Present	Present	Absent
1.446e-5	0.00825172	0.394708	0.597026	Absent	Present	Present	Present	Absent
1.445e-5	0.00823472	0.39673	0.595021	Absent	Present	Present	Present	Absent
1.031e-5	0.00663372	0.358768	0.634588	Absent	Present	Present	Present	Absent
0.00307074	0.0768101	0.52844	0.391679	Absent	Present	Present	Present	Absent
0.00219087	0.0621467	0.48455	0.451113	Absent	Present	Present	Present	Absent
0.00218944	0.0620157	0.487412	0.448383	Absent	Present	Present	Present	Absent
0.00156209	0.05015	0.446012	0.502276	Absent	Present	Present	Present	Absent
0.00219938	0.0626557	0.481851	0.453294	Absent	Present	Present	Present	Absent
0.00156918	0.0506663	0.441057	0.506707	Absent	Present	Present	Present	Absent
0.00156816	0.0505598	0.443618	0.504254	Absent	Present	Present	Present	Absent
0.00111883	0.040866	0.405326	0.552689	Absent	Present	Present	Present	Absent
0.00225222	0.0630808	0.487091	0.447576	Absent	Present	Present	Present	Absent
0.00160688	0.0510136	0.445831	0.501549	Absent	Present	Present	Present	Absent
0.00160583	0.0509063	0.448418	0.49907	Absent	Present	Present	Present	Absent
0.00114571	0.0411486	0.409695	0.548011	Absent	Present	Present	Present	Absent
0.00161312	0.0514306	0.443427	0.503529	Absent	Present	Present	Present	Absent
0.00115091	0.0415715	0.405243	0.552035	Absent	Present	Present	Present	Absent
0.00115016	0.0414843	0.407559	0.549807	Absent	Present	Present	Present	Absent
8.206e-4	0.033518	0.37187	0.593791	Absent	Present	Present	Present	Absent
2.717e-4	0.0645398	0.4907	0.444488	Absent	Present	Present	Present	Absent
1.9385e-4	0.0520066	0.449037	0.498762	Absent	Present	Present	Present	Absent
1.9372e-4	0.0518993	0.451638	0.496269	Absent	Present	Present	Present	Absent
1.3822e-4	0.0418185	0.412559	0.545484	Absent	Present	Present	Present	Absent
1.946e-4	0.0524257	0.446626	0.500754	Absent	Present	Present	Present	Absent
1.3884e-4	0.0422425	0.408088	0.549531	Absent	Present	Present	Present	Absent
1.3875e-4	0.0421554	0.410415	0.54729	Absent	Present	Present	Present	Absent
9.899e-5	0.0339655	0.374415	0.591521	Absent	Present	Present	Present	Absent
1.9928e-4	0.0528088	0.451459	0.495533	Absent	Present	Present	Present	Absent
1.4218e-4	0.0425516	0.412486	0.54482	Absent	Present	Present	Present	Absent
1.4209e-4	0.0424638	0.414838	0.542556	Absent	Present	Present	Present	Absent
1.0137e-4	0.0342142	0.378436	0.587249	Absent	Present	Present	Present	Absent
1.4273e-4	0.0428944	0.410334	0.546628	Absent	Present	Present	Present	Absent
1.0183e-4	0.0345611	0.374414	0.590923	Absent	Present	Present	Present	Absent
1.0177e-4	0.0344898	0.37652	0.588889	Absent	Present	Present	Present	Absent
7.261e-5	0.0277881	0.343085	0.629055	Absent	Present	Present	Present	Absent
3.1074e-4	0.0150926	0.532812	0.451784	Absent	Present	Present	Present	Absent
2.2171e-4	0.0121844	0.482248	0.505346	Absent	Present	Present	Present	Absent
2.2156e-4	0.012159	0.484734	0.502885	Absent	Present	Present	Present	Absent
1.5808e-4	0.00981349	0.438574	0.551454	Absent	Present	Present	Present	Absent
2.2257e-4	0.0122834	0.480183	0.507311	Absent	Present	Present	Present	Absent
1.5879e-4	0.00991371	0.43448	0.555447	Absent	Present	Present	Present	Absent
1.5869e-4	0.00989308	0.436712	0.553236	Absent	Present	Present	Present	Absent
1.1322e-4	0.00798266	0.395019	0.596885	Absent	Present	Present	Present	Absent
2.2791e-4	0.0123702	0.485244	0.502158	Absent	Present	Present	Present	Absent
1.6261e-4	0.00998413	0.439055	0.550798	Absent	Present	Present	Present	Absent
1.625e-4	0.00996335	0.44131	0.548564	Absent	Present	Present	Present	Absent
1.1594e-4	0.00803961	0.399175	0.59267	Absent	Present	Present	Present	Absent
1.6324e-4	0.0100651	0.437189	0.552583	Absent	Present	Present	Present	Absent
1.1647e-4	0.00812164	0.395466	0.596296	Absent	Present	Present	Present	Absent
1.1639e-4	0.00810476	0.397491	0.594288	Absent	Present	Present	Present	Absent
8.304e-5	0.00653843	0.359452	0.633927	Absent	Present	Present	Present	Absent
2.749e-5	0.01247	0.488127	0.499375	Absent	Present	Present	Present	Absent
1.962e-5	0.0100461	0.441647	0.548287	Absent	Present	Present	Present	Absent
1.96e-5	0.0100254	0.443915	0.54604	Absent	Present	Present	Present	Absent
1.399e-5	0.00807646	0.401517	0.590393	Absent	Present	Present	Present	Absent
1.969e-5	0.010127	0.439771	0.550082	Absent	Present	Present	Present	Absent
1.405e-5	0.00815829	0.397788	0.594039	Absent	Present	Present	Present	Absent
1.404e-5	0.00814149	0.399824	0.59202	Absent	Present	Present	Present	Absent
1.002e-5	0.0065586	0.361551	0.63188	Absent	Present	Present	Present	Absent

2.017e-5	0.0102013	0.444402	0.545377	Absent	Present	Present	Present	Absent
1.439e-5	0.00821819	0.401974	0.589794	Absent	Present	Present	Present	Absent
1.438e-5	0.00820125	0.404031	0.587754	Absent	Present	Present	Present	Absent
1.026e-5	0.00660677	0.365352	0.628031	Absent	Present	Present	Present	Absent
1.444e-5	0.00828435	0.400277	0.591424	Absent	Present	Present	Present	Absent
1.031e-5	0.0066737	0.361974	0.631342	Absent	Present	Present	Present	Absent
1.03e-5	0.00665995	0.363821	0.629508	Absent	Present	Present	Present	Absent
7.35e-6	0.005365	0.328922	0.665706	Absent	Present	Present	Present	Absent
0.00425739	0.0954706	0.571905	0.328367	Absent	Present	Present	Present	Present
0.0030375	0.0772853	0.525691	0.393986	Absent	Present	Present	Present	Present
0.00303552	0.077122	0.528871	0.390972	Absent	Present	Present	Present	Present
0.00216574	0.0623946	0.484965	0.450475	Absent	Present	Present	Present	Present
0.00304931	0.0779196	0.522637	0.396394	Absent	Present	Present	Present	Present
0.00217557	0.0630383	0.479419	0.455367	Absent	Present	Present	Present	Present
0.00217416	0.0629055	0.482262	0.452658	Absent	Present	Present	Present	Present
0.00155118	0.0508652	0.44145	0.506134	Absent	Present	Present	Present	Present
0.00312256	0.0784431	0.528353	0.390081	Absent	Present	Present	Present	Present
0.00222783	0.0634667	0.484634	0.449671	Absent	Present	Present	Present	Present
0.00222639	0.0633329	0.487507	0.446934	Absent	Present	Present	Present	Present
0.00158845	0.0512142	0.446228	0.500969	Absent	Present	Present	Present	Present
0.00223649	0.0639864	0.481919	0.451858	Absent	Present	Present	Present	Present
0.00159566	0.0517415	0.441251	0.505412	Absent	Present	Present	Present	Present
0.00159462	0.0516328	0.443821	0.502952	Absent	Present	Present	Present	Present
0.00113771	0.0417326	0.405616	0.551514	Absent	Present	Present	Present	Present
3.767e-4	0.0805379	0.532413	0.386672	Absent	Present	Present	Present	Present
2.6876e-4	0.0649013	0.488235	0.446595	Absent	Present	Present	Present	Present
2.6859e-4	0.0647674	0.491122	0.443842	Absent	Present	Present	Present	Present
1.9163e-4	0.0521896	0.449439	0.49818	Absent	Present	Present	Present	Present
2.698e-4	0.0654245	0.485512	0.448794	Absent	Present	Present	Present	Present
1.925e-4	0.0527189	0.444441	0.502647	Absent	Present	Present	Present	Present
1.9237e-4	0.0526102	0.447024	0.500174	Absent	Present	Present	Present	Present
1.3725e-4	0.0423909	0.408465	0.549007	Absent	Present	Present	Present	Present
2.7629e-4	0.0659022	0.490792	0.443029	Absent	Present	Present	Present	Present
1.9712e-4	0.0531043	0.449253	0.497446	Absent	Present	Present	Present	Present
1.9699e-4	0.0529947	0.451862	0.494946	Absent	Present	Present	Present	Present
1.4055e-4	0.042701	0.412868	0.544291	Absent	Present	Present	Present	Present
1.9789e-4	0.0535322	0.446827	0.499443	Absent	Present	Present	Present	Present
1.4119e-4	0.043134	0.408377	0.548348	Absent	Present	Present	Present	Present
1.4109e-4	0.0430451	0.410713	0.546101	Absent	Present	Present	Present	Present
1.0067e-4	0.0346823	0.374769	0.590448	Absent	Present	Present	Present	Present
4.3083e-4	0.0187996	0.586042	0.394727	Absent	Present	Present	Present	Present
3.0738e-4	0.0151812	0.530648	0.453863	Absent	Present	Present	Present	Present
3.0718e-4	0.0151495	0.533396	0.451147	Absent	Present	Present	Present	Present
2.1916e-4	0.0122299	0.482781	0.50477	Absent	Present	Present	Present	Present
3.0858e-4	0.0153045	0.528354	0.456033	Absent	Present	Present	Present	Present
2.2016e-4	0.012355	0.478246	0.509179	Absent	Present	Present	Present	Present
2.2001e-4	0.0123292	0.480713	0.506738	Absent	Present	Present	Present	Present
1.5697e-4	0.00995041	0.434962	0.55493	Absent	Present	Present	Present	Present
3.1599e-4	0.0154122	0.533928	0.450344	Absent	Present	Present	Present	Present
2.2545e-4	0.0124423	0.483286	0.504046	Absent	Present	Present	Present	Present
2.253e-4	0.0124164	0.485779	0.50158	Absent	Present	Present	Present	Present
1.6074e-4	0.0100211	0.439542	0.550276	Absent	Present	Present	Present	Present
2.2632e-4	0.0125434	0.481214	0.506017	Absent	Present	Present	Present	Present
1.6147e-4	0.0101235	0.435436	0.554279	Absent	Present	Present	Present	Present
1.6137e-4	0.0101024	0.437674	0.552063	Absent	Present	Present	Present	Present
1.1513e-4	0.0081515	0.395907	0.595827	Absent	Present	Present	Present	Present
3.812e-5	0.0155645	0.537126	0.447272	Absent	Present	Present	Present	Present
2.72e-5	0.0125395	0.486159	0.501274	Absent	Present	Present	Present	Present
2.718e-5	0.0125136	0.488666	0.498794	Absent	Present	Present	Present	Present
1.939e-5	0.0100812	0.442138	0.547762	Absent	Present	Present	Present	Present
2.73e-5	0.0126404	0.484077	0.503255	Absent	Present	Present	Present	Present
1.948e-5	0.0101834	0.438009	0.551788	Absent	Present	Present	Present	Present
1.947e-5	0.0101624	0.440259	0.549559	Absent	Present	Present	Present	Present
1.389e-5	0.00818676	0.398232	0.593567	Absent	Present	Present	Present	Present
2.796e-5	0.0127332	0.489178	0.498061	Absent	Present	Present	Present	Present

1.995e-5	0.0102581	0.442621	0.547101	Absent	Present	Present	Present	Present
1.993e-5	0.0102369	0.444895	0.544848	Absent	Present	Present	Present	Present
1.422e-5	0.00824686	0.402422	0.589317	Absent	Present	Present	Present	Present
2.003e-5	0.0103407	0.440739	0.5489	Absent	Present	Present	Present	Present
1.429e-5	0.00833042	0.398682	0.592973	Absent	Present	Present	Present	Present
1.428e-5	0.00831326	0.400724	0.590949	Absent	Present	Present	Present	Present
1.019e-5	0.00669696	0.362379	0.630913	Absent	Present	Present	Present	Present
0.00303507	0.0776047	0.533799	0.385562	Absent	Present	Present	Present	Present
0.00216542	0.0627834	0.489458	0.445593	Absent	Present	Present	Present	Present
0.00216401	0.0626511	0.492349	0.442836	Absent	Present	Present	Present	Present
0.00154395	0.0506594	0.450525	0.497271	Absent	Present	Present	Present	Present
0.00217384	0.0632974	0.486733	0.447796	Absent	Present	Present	Present	Present
0.00155095	0.0511808	0.445522	0.501747	Absent	Present	Present	Present	Present
0.00154995	0.0510733	0.448108	0.499269	Absent	Present	Present	Present	Present
0.00110583	0.0412779	0.409426	0.548191	Absent	Present	Present	Present	Present
0.00222606	0.0637277	0.492025	0.442021	Absent	Present	Present	Present	Present
0.00158821	0.0515321	0.450344	0.496536	Absent	Present	Present	Present	Present
0.00158718	0.0514239	0.452957	0.494032	Absent	Present	Present	Present	Present
0.0011324	0.0415637	0.413838	0.543466	Absent	Present	Present	Present	Present
0.00159439	0.0519532	0.447916	0.498536	Absent	Present	Present	Present	Present
0.00113754	0.0419907	0.409342	0.54753	Absent	Present	Present	Present	Present
0.0011368	0.0419027	0.411681	0.54528	Absent	Present	Present	Present	Present
8.1107e-4	0.0338538	0.375629	0.589706	Absent	Present	Present	Present	Present
2.6855e-4	0.0651587	0.495671	0.438902	Absent	Present	Present	Present	Present
1.916e-4	0.0525047	0.453582	0.493722	Absent	Present	Present	Present	Present
1.9147e-4	0.0523964	0.456208	0.491204	Absent	Present	Present	Present	Present
1.3661e-4	0.0422187	0.416731	0.540914	Absent	Present	Present	Present	Present
1.9234e-4	0.0529279	0.451146	0.495733	Absent	Present	Present	Present	Present
1.3723e-4	0.0426468	0.412215	0.545001	Absent	Present	Present	Present	Present
1.3714e-4	0.0425588	0.414566	0.542738	Absent	Present	Present	Present	Present
9.784e-5	0.0342903	0.378199	0.587413	Absent	Present	Present	Present	Present
1.9696e-4	0.0533147	0.456028	0.49046	Absent	Present	Present	Present	Present
1.4053e-4	0.0429588	0.416658	0.540242	Absent	Present	Present	Present	Present
1.4043e-4	0.0428702	0.419034	0.537956	Absent	Present	Present	Present	Present
1.002e-4	0.0345414	0.38226	0.583098	Absent	Present	Present	Present	Present
1.4107e-4	0.0433049	0.414485	0.542069	Absent	Present	Present	Present	Present
1.0065e-4	0.0348916	0.378198	0.58681	Absent	Present	Present	Present	Present
1.0058e-4	0.0348196	0.380325	0.584755	Absent	Present	Present	Present	Present
7.176e-5	0.0280536	0.34655	0.625324	Absent	Present	Present	Present	Present
3.0714e-4	0.0152425	0.538179	0.446271	Absent	Present	Present	Present	Present
2.1913e-4	0.0123049	0.487105	0.500371	Absent	Present	Present	Present	Present
2.1899e-4	0.0122792	0.489616	0.497886	Absent	Present	Present	Present	Present
1.5624e-4	0.00991006	0.442991	0.546943	Absent	Present	Present	Present	Present
2.1998e-4	0.0124047	0.485019	0.502356	Absent	Present	Present	Present	Present
1.5695e-4	0.0100112	0.438855	0.550977	Absent	Present	Present	Present	Present
1.5685e-4	0.00999042	0.441109	0.548743	Absent	Present	Present	Present	Present
1.119e-4	0.00806089	0.398996	0.592832	Absent	Present	Present	Present	Present
2.2527e-4	0.0124925	0.49013	0.497152	Absent	Present	Present	Present	Present
1.6072e-4	0.0100824	0.443476	0.546281	Absent	Present	Present	Present	Present
1.6062e-4	0.0100614	0.445754	0.544024	Absent	Present	Present	Present	Present
1.1459e-4	0.00811844	0.403194	0.588573	Absent	Present	Present	Present	Present
1.6134e-4	0.0101642	0.441591	0.548083	Absent	Present	Present	Present	Present
1.1511e-4	0.00820125	0.399447	0.592236	Absent	Present	Present	Present	Present
1.1504e-4	0.00818421	0.401493	0.590208	Absent	Present	Present	Present	Present
8.208e-5	0.0066023	0.36307	0.630245	Absent	Present	Present	Present	Present
2.718e-5	0.0125891	0.493043	0.494341	Absent	Present	Present	Present	Present
1.939e-5	0.010142	0.446094	0.543745	Absent	Present	Present	Present	Present
1.938e-5	0.0101211	0.448384	0.541475	Absent	Present	Present	Present	Present
1.382e-5	0.00815349	0.405559	0.586274	Absent	Present	Present	Present	Present
1.946e-5	0.0102236	0.4442	0.545557	Absent	Present	Present	Present	Present
1.389e-5	0.0082361	0.401793	0.589957	Absent	Present	Present	Present	Present
1.388e-5	0.00821913	0.40385	0.587918	Absent	Present	Present	Present	Present
9.9e-6	0.00662112	0.365191	0.628178	Absent	Present	Present	Present	Present
1.993e-5	0.0102987	0.448877	0.540805	Absent	Present	Present	Present	Present
1.422e-5	0.00829657	0.40602	0.585669	Absent	Present	Present	Present	Present

1.421e-5	0.00827947	0.408098	0.583608	Absent	Present	Present	Present	Present
1.014e-5	0.00666975	0.36903	0.62429	Absent	Present	Present	Present	Present
1.428e-5	0.00836336	0.404308	0.587315	Absent	Present	Present	Present	Present
1.019e-5	0.00673732	0.365618	0.627635	Absent	Present	Present	Present	Present
1.018e-5	0.00672344	0.367484	0.625783	Absent	Present	Present	Present	Present
7.26e-6	0.00541612	0.332233	0.662344	Absent	Present	Present	Present	Present
0.00304833	0.0771032	0.527723	0.392126	Absent	Present	Present	Present	Present
0.00217488	0.0623806	0.483929	0.451516	Absent	Present	Present	Present	Present
0.00217346	0.0622492	0.486789	0.448788	Absent	Present	Present	Present	Present
0.00155069	0.0503365	0.445471	0.502642	Absent	Present	Present	Present	Present
0.00218333	0.0628914	0.48123	0.453695	Absent	Present	Present	Present	Present
0.00155773	0.0508547	0.440518	0.50707	Absent	Present	Present	Present	Present
0.00155672	0.0507478	0.443077	0.504618	Absent	Present	Present	Present	Present
0.00111066	0.0410164	0.404855	0.553017	Absent	Present	Present	Present	Present
0.00223578	0.0633186	0.486464	0.447982	Absent	Present	Present	Present	Present
0.00159515	0.0512036	0.445287	0.501915	Absent	Present	Present	Present	Present
0.00159411	0.0510959	0.447873	0.499437	Absent	Present	Present	Present	Present
0.00113734	0.0413002	0.40922	0.548343	Absent	Present	Present	Present	Present
0.00160135	0.051622	0.442883	0.503894	Absent	Present	Present	Present	Present
0.00114251	0.0417246	0.404769	0.552364	Absent	Present	Present	Present	Present
0.00114176	0.0416371	0.407084	0.550138	Absent	Present	Present	Present	Present
8.1461e-4	0.0336403	0.371456	0.59409	Absent	Present	Present	Present	Present
2.6972e-4	0.0647614	0.490073	0.444896	Absent	Present	Present	Present	Present
1.9243e-4	0.0521848	0.448492	0.49913	Absent	Present	Present	Present	Present
1.9231e-4	0.0520772	0.451091	0.496639	Absent	Present	Present	Present	Present
1.3721e-4	0.0419616	0.412083	0.545818	Absent	Present	Present	Present	Present
1.9318e-4	0.0526054	0.446081	0.501121	Absent	Present	Present	Present	Present
1.3783e-4	0.0423871	0.407613	0.549862	Absent	Present	Present	Present	Present
1.3774e-4	0.0422997	0.40994	0.547623	Absent	Present	Present	Present	Present
9.827e-5	0.0340816	0.374	0.591821	Absent	Present	Present	Present	Present
1.9782e-4	0.0529899	0.450909	0.495903	Absent	Present	Present	Present	Present
1.4114e-4	0.0426972	0.412008	0.545154	Absent	Present	Present	Present	Present
1.4105e-4	0.0426092	0.414358	0.542892	Absent	Present	Present	Present	Present
1.0063e-4	0.0343312	0.378016	0.587552	Absent	Present	Present	Present	Present
1.4169e-4	0.0430412	0.409856	0.546961	Absent	Present	Present	Present	Present
1.0109e-4	0.0346792	0.373996	0.591224	Absent	Present	Present	Present	Present
1.0102e-4	0.0346077	0.376101	0.589191	Absent	Present	Present	Present	Present
7.208e-5	0.027883	0.342718	0.629327	Absent	Present	Present	Present	Present
3.0848e-4	0.015147	0.532358	0.452187	Absent	Present	Present	Present	Present
2.2009e-4	0.0122281	0.481843	0.505709	Absent	Present	Present	Present	Present
2.1994e-4	0.0122026	0.484327	0.50325	Absent	Present	Present	Present	Present
1.5692e-4	0.00984842	0.438211	0.551783	Absent	Present	Present	Present	Present
2.2094e-4	0.0123273	0.479779	0.507673	Absent	Present	Present	Present	Present
1.5763e-4	0.00994898	0.43412	0.555774	Absent	Present	Present	Present	Present
1.5753e-4	0.00992829	0.43635	0.553564	Absent	Present	Present	Present	Present
1.1239e-4	0.00801092	0.394695	0.597181	Absent	Present	Present	Present	Present
2.2625e-4	0.0124145	0.484835	0.502524	Absent	Present	Present	Present	Present
1.6142e-4	0.0100197	0.438691	0.551128	Absent	Present	Present	Present	Present
1.6132e-4	0.00999884	0.440944	0.548895	Absent	Present	Present	Present	Present
1.1509e-4	0.00806808	0.398848	0.592969	Absent	Present	Present	Present	Present
1.6205e-4	0.0101009	0.436826	0.552911	Absent	Present	Present	Present	Present
1.1562e-4	0.00815039	0.395142	0.596592	Absent	Present	Present	Present	Present
1.1554e-4	0.00813346	0.397165	0.594586	Absent	Present	Present	Present	Present
8.243e-5	0.00656146	0.359161	0.634195	Absent	Present	Present	Present	Present
2.729e-5	0.0125126	0.487717	0.499743	Absent	Present	Present	Present	Present
1.947e-5	0.0100804	0.441281	0.548619	Absent	Present	Present	Present	Present
1.946e-5	0.0100596	0.443547	0.546374	Absent	Present	Present	Present	Present
1.388e-5	0.00810397	0.401189	0.590694	Absent	Present	Present	Present	Present
1.955e-5	0.0101615	0.439407	0.550412	Absent	Present	Present	Present	Present
1.395e-5	0.00818608	0.397462	0.594338	Absent	Present	Present	Present	Present
1.394e-5	0.00816922	0.399497	0.59232	Absent	Present	Present	Present	Present
9.94e-6	0.00658092	0.361258	0.632151	Absent	Present	Present	Present	Present
2.002e-5	0.0102361	0.444033	0.545711	Absent	Present	Present	Present	Present
1.428e-5	0.00824618	0.401644	0.590095	Absent	Present	Present	Present	Present
1.427e-5	0.00822919	0.4037	0.588057	Absent	Present	Present	Present	Present

1.018e-5	0.00662926	0.365057	0.628304	Absent	Present	Present	Present	Present
1.434e-5	0.00831257	0.399949	0.591724	Absent	Present	Present	Present	Present
1.023e-5	0.00669642	0.361681	0.631613	Absent	Present	Present	Present	Present
1.022e-5	0.00668262	0.363527	0.62978	Absent	Present	Present	Present	Present
7.29e-6	0.00538325	0.328658	0.665951	Absent	Present	Present	Present	Present
0.00217314	0.0626371	0.491298	0.443891	Absent	Present	Present	Present	Present
0.00155046	0.0506489	0.449577	0.498224	Absent	Present	Present	Present	Present
0.00154945	0.0505425	0.45218	0.495728	Absent	Present	Present	Present	Present
0.00110548	0.0408504	0.413048	0.544996	Absent	Present	Present	Present	Present
0.00155649	0.0510628	0.447163	0.500217	Absent	Present	Present	Present	Present
0.0011105	0.04127	0.408573	0.549047	Absent	Present	Present	Present	Present
0.00110978	0.0411835	0.410903	0.546804	Absent	Present	Present	Present	Present
7.9179e-4	0.033272	0.374855	0.591082	Absent	Present	Present	Present	Present
0.00159388	0.0514132	0.452002	0.494991	Absent	Present	Present	Present	Present
0.00113718	0.0415557	0.412976	0.544331	Absent	Present	Present	Present	Present
0.00113644	0.0414686	0.415331	0.542064	Absent	Present	Present	Present	Present
8.1081e-4	0.0335041	0.37888	0.586805	Absent	Present	Present	Present	Present
0.0011416	0.0418947	0.410823	0.546141	Absent	Present	Present	Present	Present
8.1449e-4	0.0338477	0.374854	0.590484	Absent	Present	Present	Present	Present
8.1396e-4	0.0337769	0.376962	0.588447	Absent	Present	Present	Present	Present
5.8073e-4	0.0272794	0.343484	0.628656	Absent	Present	Present	Present	Present
1.9228e-4	0.0523917	0.455248	0.492168	Absent	Present	Present	Present	Present
1.3719e-4	0.0422149	0.415864	0.541784	Absent	Present	Present	Present	Present
1.371e-4	0.0421278	0.41823	0.539505	Absent	Present	Present	Present	Present
9.781e-5	0.0339432	0.381463	0.584496	Absent	Present	Present	Present	Present
1.3772e-4	0.042555	0.413703	0.543604	Absent	Present	Present	Present	Present
9.826e-5	0.0342873	0.37742	0.588195	Absent	Present	Present	Present	Present
9.819e-5	0.0342166	0.379539	0.586146	Absent	Present	Present	Present	Present
7.006e-5	0.0275677	0.345782	0.62658	Absent	Present	Present	Present	Present
1.4103e-4	0.0428664	0.418161	0.538831	Absent	Present	Present	Present	Present
1.0062e-4	0.0345383	0.381473	0.583888	Absent	Present	Present	Present	Present
1.0055e-4	0.0344671	0.383614	0.581818	Absent	Present	Present	Present	Present
7.174e-5	0.0277697	0.349483	0.622675	Absent	Present	Present	Present	Present
1.0101e-4	0.0348166	0.379541	0.585541	Absent	Present	Present	Present	Present
7.207e-5	0.0280512	0.345842	0.626034	Absent	Present	Present	Present	Present
7.202e-5	0.0279934	0.34776	0.624174	Absent	Present	Present	Present	Present
5.138e-5	0.022553	0.316503	0.660893	Absent	Present	Present	Present	Present
2.1991e-4	0.0122774	0.488665	0.498838	Absent	Present	Present	Present	Present
1.569e-4	0.00990864	0.442133	0.547802	Absent	Present	Present	Present	Present
1.568e-4	0.00988803	0.444403	0.545553	Absent	Present	Present	Present	Present
1.1187e-4	0.00797842	0.401957	0.589953	Absent	Present	Present	Present	Present
1.5751e-4	0.00998899	0.440255	0.549598	Absent	Present	Present	Present	Present
1.1238e-4	0.0080598	0.398225	0.593603	Absent	Present	Present	Present	Present
1.123e-4	0.00804306	0.400263	0.591582	Absent	Present	Present	Present	Present
8.013e-5	0.00648836	0.361947	0.631485	Absent	Present	Present	Present	Present
1.6129e-4	0.01006	0.444891	0.544888	Absent	Present	Present	Present	Present
1.1508e-4	0.00811733	0.402415	0.589353	Absent	Present	Present	Present	Present
1.15e-4	0.00810047	0.404474	0.587311	Absent	Present	Present	Present	Present
8.205e-5	0.00653484	0.365752	0.627631	Absent	Present	Present	Present	Present
1.1552e-4	0.0081831	0.400717	0.590985	Absent	Present	Present	Present	Present
8.242e-5	0.00660145	0.36237	0.630946	Absent	Present	Present	Present	Present
8.237e-5	0.00658775	0.364219	0.62911	Absent	Present	Present	Present	Present
5.877e-5	0.00531347	0.329281	0.665347	Absent	Present	Present	Present	Present
1.946e-5	0.0101202	0.447516	0.542344	Absent	Present	Present	Present	Present
1.388e-5	0.00815281	0.404776	0.587058	Absent	Present	Present	Present	Present
1.387e-5	0.00813602	0.406846	0.585004	Absent	Present	Present	Present	Present
9.9e-6	0.00655418	0.367887	0.625549	Absent	Present	Present	Present	Present
1.394e-5	0.00821845	0.403069	0.588698	Absent	Present	Present	Present	Present
9.94e-6	0.00662057	0.364486	0.628883	Absent	Present	Present	Present	Present
9.94e-6	0.00660694	0.366346	0.627037	Absent	Present	Present	Present	Present
7.09e-6	0.00532226	0.331195	0.663476	Absent	Present	Present	Present	Present
1.427e-5	0.00827879	0.40731	0.584397	Absent	Present	Present	Present	Present
1.018e-5	0.0066692	0.368319	0.625002	Absent	Present	Present	Present	Present
1.018e-5	0.00665546	0.370198	0.623137	Absent	Present	Present	Present	Present
7.26e-6	0.00536137	0.334675	0.659957	Absent	Present	Present	Present	Present

1.022e-5	0.00672289	0.366775	0.626492	Absent	Present	Present	Present	Present
7.29e-6	0.00541568	0.331593	0.662984	Absent	Present	Present	Present	Present
7.29e-6	0.00540453	0.33328	0.661308	Absent	Present	Present	Present	Present
5.2e-6	0.00435358	0.301243	0.694398	Absent	Present	Present	Present	Present
0.00636943	0.00636943	0.00636943	0.980892	Present	Absent	Absent	Absent	Absent
0.0676712	0.0870904	0.099033	0.746205	Present	Absent	Absent	Absent	Absent
0.0676272	0.0868159	0.100614	0.744943	Present	Absent	Absent	Absent	Absent
0.0482496	0.0761417	0.105746	0.769862	Present	Absent	Absent	Absent	Absent
0.0679343	0.0880721	0.0967798	0.747214	Present	Absent	Absent	Absent	Absent
0.0484687	0.0771818	0.102438	0.771911	Present	Absent	Absent	Absent	Absent
0.0484372	0.0769547	0.103831	0.770777	Present	Absent	Absent	Absent	Absent
0.0345582	0.0664348	0.105835	0.793172	Present	Absent	Absent	Absent	Absent
0.0695662	0.08759	0.0982737	0.74457	Present	Absent	Absent	Absent	Absent
0.049633	0.0769435	0.103898	0.769526	Present	Absent	Absent	Absent	Absent
0.0496008	0.0767153	0.105304	0.76838	Present	Absent	Absent	Absent	Absent
0.0353884	0.0663489	0.107253	0.791009	Present	Absent	Absent	Absent	Absent
0.049826	0.0777687	0.101964	0.770442	Present	Absent	Absent	Absent	Absent
0.0355491	0.0672181	0.104363	0.79287	Present	Absent	Absent	Absent	Absent
0.035526	0.0670297	0.105605	0.791839	Present	Absent	Absent	Absent	Absent
0.0253465	0.0572537	0.105223	0.812177	Present	Absent	Absent	Absent	Absent
0.00839229	0.147509	0.100956	0.743142	Present	Absent	Absent	Absent	Absent
0.0059876	0.119579	0.106196	0.768238	Present	Absent	Absent	Absent	Absent
0.00598371	0.119324	0.107607	0.767085	Present	Absent	Absent	Absent	Absent
0.00426917	0.096656	0.109234	0.789841	Present	Absent	Absent	Absent	Absent
0.00601088	0.120565	0.104265	0.769158	Present	Absent	Absent	Absent	Absent
0.00428855	0.0976582	0.106341	0.791712	Present	Absent	Absent	Absent	Absent
0.00428576	0.0974512	0.107587	0.790676	Present	Absent	Absent	Absent	Absent
0.00305774	0.0788831	0.106932	0.811127	Present	Absent	Absent	Absent	Absent
0.00615527	0.121354	0.105747	0.766744	Present	Absent	Absent	Absent	Absent
0.00439157	0.0983066	0.107768	0.789534	Present	Absent	Absent	Absent	Absent
0.00438872	0.0980981	0.109026	0.788487	Present	Absent	Absent	Absent	Absent
0.00313119	0.0794136	0.108303	0.809152	Present	Absent	Absent	Absent	Absent
0.00440864	0.0991156	0.106106	0.79037	Present	Absent	Absent	Absent	Absent
0.00314541	0.0802349	0.105769	0.810851	Present	Absent	Absent	Absent	Absent
0.00314336	0.0800654	0.106881	0.80991	Present	Absent	Absent	Absent	Absent
0.00224268	0.0647752	0.1045	0.828482	Present	Absent	Absent	Absent	Absent
0.00959824	0.0274539	0.216432	0.746516	Present	Absent	Absent	Absent	Absent
0.006848	0.0229945	0.198876	0.771281	Present	Absent	Absent	Absent	Absent
0.00684355	0.0229375	0.200075	0.770144	Present	Absent	Absent	Absent	Absent
0.00488263	0.0191036	0.183413	0.792601	Present	Absent	Absent	Absent	Absent
0.00687462	0.0232079	0.197727	0.77219	Present	Absent	Absent	Absent	Absent
0.0049048	0.0193242	0.181323	0.794447	Present	Absent	Absent	Absent	Absent
0.00490161	0.0192775	0.182396	0.793425	Present	Absent	Absent	Absent	Absent
0.00349713	0.0159772	0.166918	0.813608	Present	Absent	Absent	Absent	Absent
0.00703977	0.0232644	0.199888	0.769808	Present	Absent	Absent	Absent	Absent
0.00502263	0.019385	0.183295	0.792298	Present	Absent	Absent	Absent	Absent
0.00501936	0.019338	0.184378	0.791265	Present	Absent	Absent	Absent	Absent
0.00358114	0.0160367	0.168724	0.811659	Present	Absent	Absent	Absent	Absent
0.00504215	0.0195618	0.182273	0.793123	Present	Absent	Absent	Absent	Absent
0.0035974	0.016219	0.166848	0.813335	Present	Absent	Absent	Absent	Absent
0.00359506	0.0161806	0.167818	0.812407	Present	Absent	Absent	Absent	Absent
0.00256495	0.0133628	0.153337	0.830735	Present	Absent	Absent	Absent	Absent
8.4926e-4	0.0292131	0.201417	0.768521	Present	Absent	Absent	Absent	Absent
6.0592e-4	0.0236068	0.18465	0.791137	Present	Absent	Absent	Absent	Absent
6.0552e-4	0.0235574	0.185739	0.790098	Present	Absent	Absent	Absent	Absent
4.3202e-4	0.0190293	0.169933	0.810606	Present	Absent	Absent	Absent	Absent
6.0827e-4	0.0237992	0.183626	0.791967	Present	Absent	Absent	Absent	Absent
4.3398e-4	0.0192243	0.16805	0.812292	Present	Absent	Absent	Absent	Absent
4.337e-4	0.0191841	0.169024	0.811358	Present	Absent	Absent	Absent	Absent
3.0943e-4	0.0154911	0.154411	0.829789	Present	Absent	Absent	Absent	Absent
6.2288e-4	0.0239645	0.185622	0.789791	Present	Absent	Absent	Absent	Absent
4.4441e-4	0.0193587	0.169868	0.810329	Present	Absent	Absent	Absent	Absent
4.4412e-4	0.0193183	0.170852	0.809385	Present	Absent	Absent	Absent	Absent
3.1686e-4	0.0156001	0.156074	0.828009	Present	Absent	Absent	Absent	Absent
4.4613e-4	0.0195163	0.168955	0.811082	Present	Absent	Absent	Absent	Absent

3.183e-4	0.0157598	0.154382	0.82954	Present	Absent	Absent	Absent	Absent
3.1809e-4	0.0157269	0.155263	0.828692	Present	Absent	Absent	Absent	Absent
2.2695e-4	0.012696	0.141648	0.845429	Present	Absent	Absent	Absent	Absent
0.0676172	0.087755	0.10195	0.742677	Present	Absent	Absent	Absent	Absent
0.0482425	0.0768972	0.107042	0.767818	Present	Absent	Absent	Absent	Absent
0.0482111	0.0766711	0.108455	0.766663	Present	Absent	Absent	Absent	Absent
0.0343969	0.0661855	0.109957	0.78946	Present	Absent	Absent	Absent	Absent
0.04843	0.0777163	0.105113	0.768741	Present	Absent	Absent	Absent	Absent
0.0345531	0.0670475	0.107065	0.791335	Present	Absent	Absent	Absent	Absent
0.0345306	0.0668608	0.108311	0.790297	Present	Absent	Absent	Absent	Absent
0.0246364	0.0570262	0.107552	0.810785	Present	Absent	Absent	Absent	Absent
0.0495934	0.0774826	0.106602	0.766322	Present	Absent	Absent	Absent	Absent
0.0353832	0.0669662	0.108498	0.789153	Present	Absent	Absent	Absent	Absent
0.0353602	0.0667786	0.109757	0.788104	Present	Absent	Absent	Absent	Absent
0.0252282	0.0570362	0.108929	0.808806	Present	Absent	Absent	Absent	Absent
0.0355207	0.0676519	0.106837	0.78999	Present	Absent	Absent	Absent	Absent
0.0253428	0.0577544	0.106394	0.810508	Present	Absent	Absent	Absent	Absent
0.0253263	0.0575999	0.107508	0.809566	Present	Absent	Absent	Absent	Absent
0.0180694	0.0487209	0.105038	0.828172	Present	Absent	Absent	Absent	Absent
0.00598283	0.120079	0.108922	0.765016	Present	Absent	Absent	Absent	Absent
0.00426854	0.0972639	0.110494	0.787974	Present	Absent	Absent	Absent	Absent
0.00426576	0.0970577	0.111757	0.786919	Present	Absent	Absent	Absent	Absent
0.00304347	0.0785643	0.110654	0.807738	Present	Absent	Absent	Absent	Absent
0.00428513	0.098064	0.108834	0.788817	Present	Absent	Absent	Absent	Absent
0.00305729	0.0793766	0.108117	0.809449	Present	Absent	Absent	Absent	Absent
0.0030553	0.0792089	0.109234	0.808502	Present	Absent	Absent	Absent	Absent
0.00217985	0.0640773	0.106532	0.827211	Present	Absent	Absent	Absent	Absent
0.00438807	0.0987153	0.110289	0.786608	Present	Absent	Absent	Absent	Absent
0.00313073	0.0799107	0.109502	0.807457	Present	Absent	Absent	Absent	Absent
0.00312869	0.0797418	0.11063	0.806499	Present	Absent	Absent	Absent	Absent
0.00223221	0.0645133	0.10785	0.825404	Present	Absent	Absent	Absent	Absent
0.0031429	0.0805664	0.108069	0.808222	Present	Absent	Absent	Absent	Absent
0.00224235	0.0651787	0.10562	0.826959	Present	Absent	Absent	Absent	Absent
0.00224089	0.0650415	0.10662	0.826098	Present	Absent	Absent	Absent	Absent
0.0015988	0.0525917	0.102721	0.843088	Present	Absent	Absent	Absent	Absent
0.00684254	0.0231177	0.201938	0.768102	Present	Absent	Absent	Absent	Absent
0.00488191	0.0192486	0.185111	0.790759	Present	Absent	Absent	Absent	Absent
0.00487874	0.0192021	0.186201	0.789718	Present	Absent	Absent	Absent	Absent
0.00348081	0.0159144	0.170342	0.810263	Present	Absent	Absent	Absent	Absent
0.00490089	0.0194237	0.184085	0.79159	Present	Absent	Absent	Absent	Absent
0.00349661	0.0160949	0.168456	0.811952	Present	Absent	Absent	Absent	Absent
0.00349434	0.0160569	0.169432	0.811017	Present	Absent	Absent	Absent	Absent
0.00249309	0.0132538	0.154773	0.829481	Present	Absent	Absent	Absent	Absent
0.00501862	0.0194853	0.186086	0.78941	Present	Absent	Absent	Absent	Absent
0.00358061	0.0161553	0.170279	0.809985	Present	Absent	Absent	Absent	Absent
0.00357828	0.016117	0.171264	0.80904	Present	Absent	Absent	Absent	Absent
0.00255298	0.01331	0.15644	0.827697	Present	Absent	Absent	Absent	Absent
0.00359452	0.0163001	0.169365	0.81074	Present	Absent	Absent	Absent	Absent
0.00256457	0.013459	0.154745	0.829231	Present	Absent	Absent	Absent	Absent
0.0025629	0.0134276	0.155628	0.828382	Present	Absent	Absent	Absent	Absent
0.00182854	0.0110505	0.141972	0.845149	Present	Absent	Absent	Absent	Absent
6.0543e-4	0.0237029	0.187458	0.788233	Present	Absent	Absent	Absent	Absent
4.3196e-4	0.0191464	0.171498	0.808923	Present	Absent	Absent	Absent	Absent
4.3167e-4	0.0191064	0.172489	0.807973	Present	Absent	Absent	Absent	Absent
3.0798e-4	0.0154283	0.15753	0.826734	Present	Absent	Absent	Absent	Absent
4.3363e-4	0.0193022	0.170582	0.809682	Present	Absent	Absent	Absent	Absent
3.0938e-4	0.0155862	0.155828	0.828277	Present	Absent	Absent	Absent	Absent
3.0918e-4	0.0155537	0.156714	0.827423	Present	Absent	Absent	Absent	Absent
2.2059e-4	0.0125557	0.14294	0.844284	Present	Absent	Absent	Absent	Absent
4.4405e-4	0.0194372	0.172427	0.807692	Present	Absent	Absent	Absent	Absent
3.1681e-4	0.015696	0.157506	0.826481	Present	Absent	Absent	Absent	Absent
3.1661e-4	0.0156632	0.158402	0.825618	Present	Absent	Absent	Absent	Absent
2.2589e-4	0.0126445	0.144474	0.842655	Present	Absent	Absent	Absent	Absent
3.1805e-4	0.0158235	0.156688	0.82717	Present	Absent	Absent	Absent	Absent
2.2691e-4	0.0127738	0.142943	0.844056	Present	Absent	Absent	Absent	Absent

2.2677e-4	0.0127472	0.143746	0.84328	Present	Absent	Absent	Absent	Absent
1.6179e-4	0.0102877	0.130958	0.858592	Present	Absent	Absent	Absent	Absent
0.0679126	0.0865188	0.100142	0.745426	Present	Absent	Absent	Absent	Absent
0.0484532	0.0759287	0.105319	0.770298	Present	Absent	Absent	Absent	Absent
0.0484218	0.0757043	0.106718	0.769156	Present	Absent	Absent	Absent	Absent
0.0345472	0.0654262	0.108317	0.79171	Present	Absent	Absent	Absent	Absent
0.0486416	0.0767409	0.103406	0.771211	Present	Absent	Absent	Absent	Absent
0.034704	0.0662813	0.105451	0.793564	Present	Absent	Absent	Absent	Absent
0.0346815	0.0660961	0.106685	0.792537	Present	Absent	Absent	Absent	Absent
0.024744	0.0564241	0.106025	0.812807	Present	Absent	Absent	Absent	Absent
0.0498101	0.0764965	0.104875	0.768818	Present	Absent	Absent	Absent	Absent
0.0355377	0.0661919	0.106865	0.791405	Present	Absent	Absent	Absent	Absent
0.0355146	0.0660057	0.108112	0.790368	Present	Absent	Absent	Absent	Absent
0.0253384	0.0564279	0.107385	0.810849	Present	Absent	Absent	Absent	Absent
0.0356759	0.066872	0.105218	0.792234	Present	Absent	Absent	Absent	Absent
0.0254535	0.0571405	0.104873	0.812533	Present	Absent	Absent	Absent	Absent
0.0254369	0.0569871	0.105975	0.811601	Present	Absent	Absent	Absent	Absent
0.0181483	0.0482375	0.103607	0.830007	Present	Absent	Absent	Absent	Absent
0.00600896	0.119289	0.107175	0.767526	Present	Absent	Absent	Absent	Absent
0.00428718	0.0966304	0.108843	0.790239	Present	Absent	Absent	Absent	Absent
0.00428439	0.0964255	0.110094	0.789196	Present	Absent	Absent	Absent	Absent
0.00305676	0.0780569	0.109095	0.809792	Present	Absent	Absent	Absent	Absent
0.00430385	0.0974255	0.107198	0.791073	Present	Absent	Absent	Absent	Absent
0.00307064	0.0788641	0.10658	0.811485	Present	Absent	Absent	Absent	Absent
0.00306865	0.0786975	0.107686	0.810547	Present	Absent	Absent	Absent	Absent
0.00218937	0.0636666	0.105087	0.829057	Present	Absent	Absent	Absent	Absent
0.00440724	0.0980719	0.108633	0.788888	Present	Absent	Absent	Absent	Absent
0.00314441	0.0793942	0.107948	0.809514	Present	Absent	Absent	Absent	Absent
0.00314236	0.0792264	0.109065	0.808566	Present	Absent	Absent	Absent	Absent
0.00224196	0.0640993	0.106389	0.827269	Present	Absent	Absent	Absent	Absent
0.00315663	0.0800458	0.106527	0.81027	Present	Absent	Absent	Absent	Absent
0.00225214	0.0647607	0.10418	0.828807	Present	Absent	Absent	Absent	Absent
0.00225068	0.0646242	0.105169	0.827956	Present	Absent	Absent	Absent	Absent
0.00160578	0.0522565	0.101373	0.844765	Present	Absent	Absent	Absent	Absent
0.00687243	0.0229064	0.199642	0.77058	Present	Absent	Absent	Absent	Absent
0.00490324	0.0190812	0.183022	0.792994	Present	Absent	Absent	Absent	Absent
0.00490005	0.019035	0.1841	0.791965	Present	Absent	Absent	Absent	Absent
0.00349601	0.0157817	0.168432	0.81229	Present	Absent	Absent	Absent	Absent
0.0049223	0.019255	0.182006	0.793817	Present	Absent	Absent	Absent	Absent
0.00351188	0.015961	0.166566	0.813961	Present	Absent	Absent	Absent	Absent
0.0035096	0.0159232	0.167532	0.813036	Present	Absent	Absent	Absent	Absent
0.00250398	0.0131476	0.153046	0.831302	Present	Absent	Absent	Absent	Absent
0.00504054	0.019315	0.183984	0.79166	Present	Absent	Absent	Absent	Absent
0.00359625	0.0160201	0.168368	0.812015	Present	Absent	Absent	Absent	Absent
0.00359391	0.0159821	0.169344	0.81108	Present	Absent	Absent	Absent	Absent
0.00256413	0.0132028	0.154695	0.829538	Present	Absent	Absent	Absent	Absent
0.00361023	0.016164	0.167464	0.812762	Present	Absent	Absent	Absent	Absent
0.00257577	0.0133507	0.153018	0.831056	Present	Absent	Absent	Absent	Absent
0.00257409	0.0133196	0.153891	0.830215	Present	Absent	Absent	Absent	Absent
0.00183653	0.0109646	0.140395	0.846803	Present	Absent	Absent	Absent	Absent
6.0808e-4	0.023553	0.185343	0.790496	Present	Absent	Absent	Absent	Absent
4.3384e-4	0.019026	0.169576	0.810965	Present	Absent	Absent	Absent	Absent
4.3356e-4	0.0189862	0.170556	0.810024	Present	Absent	Absent	Absent	Absent
3.0933e-4	0.0153317	0.155774	0.828585	Present	Absent	Absent	Absent	Absent
4.3553e-4	0.0191808	0.168668	0.811716	Present	Absent	Absent	Absent	Absent
3.1073e-4	0.0154886	0.154089	0.830111	Present	Absent	Absent	Absent	Absent
3.1053e-4	0.0154563	0.154967	0.829266	Present	Absent	Absent	Absent	Absent
2.2155e-4	0.0124774	0.141354	0.845947	Present	Absent	Absent	Absent	Absent
4.4599e-4	0.0193149	0.170493	0.809747	Present	Absent	Absent	Absent	Absent
3.182e-4	0.0155976	0.15575	0.828335	Present	Absent	Absent	Absent	Absent
3.1799e-4	0.0155651	0.156636	0.827481	Present	Absent	Absent	Absent	Absent
2.2688e-4	0.0125656	0.142871	0.844336	Present	Absent	Absent	Absent	Absent
3.1944e-4	0.0157244	0.15494	0.829017	Present	Absent	Absent	Absent	Absent
2.2791e-4	0.0126941	0.141356	0.845722	Present	Absent	Absent	Absent	Absent
2.2776e-4	0.0126676	0.14215	0.844955	Present	Absent	Absent	Absent	Absent

1.625e-4	0.0102237	0.129511	0.860103	Present	Absent	Absent	Absent	Absent
0.0484146	0.0764582	0.108022	0.767105	Present	Absent	Absent	Absent	Absent
0.0345421	0.0660328	0.109566	0.789859	Present	Absent	Absent	Absent	Absent
0.0345196	0.0658483	0.110818	0.788814	Present	Absent	Absent	Absent	Absent
0.0246285	0.0562097	0.109714	0.809447	Present	Absent	Absent	Absent	Absent
0.0346764	0.0667075	0.107922	0.790694	Present	Absent	Absent	Absent	Absent
0.0247403	0.0569161	0.1072	0.811144	Present	Absent	Absent	Absent	Absent
0.0247243	0.0567641	0.108307	0.810204	Present	Absent	Absent	Absent	Absent
0.0176399	0.0479924	0.10562	0.828748	Present	Absent	Absent	Absent	Absent
0.0355094	0.0666217	0.109363	0.788505	Present	Absent	Absent	Absent	Absent
0.0253347	0.0569236	0.108573	0.809169	Present	Absent	Absent	Absent	Absent
0.0253182	0.0567708	0.109691	0.80822	Present	Absent	Absent	Absent	Absent
0.0180636	0.0480524	0.106927	0.826957	Present	Absent	Absent	Absent	Absent
0.0254332	0.0574868	0.107153	0.809927	Present	Absent	Absent	Absent	Absent
0.0181457	0.0486396	0.104717	0.828497	Present	Absent	Absent	Absent	Absent
0.0181339	0.0485139	0.105708	0.827644	Present	Absent	Absent	Absent	Absent
0.0129379	0.0407415	0.101837	0.844484	Present	Absent	Absent	Absent	Absent
0.00428376	0.0970321	0.111361	0.787323	Present	Absent	Absent	Absent	Absent
0.00305631	0.0785453	0.110296	0.808102	Present	Absent	Absent	Absent	Absent
0.00305433	0.0783794	0.111419	0.807148	Present	Absent	Absent	Absent	Absent
0.00217915	0.0634091	0.108422	0.825989	Present	Absent	Absent	Absent	Absent
0.00306819	0.0791898	0.108878	0.808864	Present	Absent	Absent	Absent	Absent
0.00218905	0.0640631	0.106209	0.827539	Present	Absent	Absent	Absent	Absent
0.00218762	0.0639282	0.107203	0.826681	Present	Absent	Absent	Absent	Absent
0.00156079	0.0516901	0.103135	0.843614	Present	Absent	Absent	Absent	Absent
0.0031419	0.0797224	0.11027	0.806866	Present	Absent	Absent	Absent	Absent
0.00224163	0.0644988	0.107524	0.825735	Present	Absent	Absent	Absent	Absent
0.00224018	0.0643629	0.108529	0.824868	Present	Absent	Absent	Absent	Absent
0.00159829	0.0520451	0.104378	0.841979	Present	Absent	Absent	Absent	Absent
0.00225035	0.0650269	0.106295	0.826428	Present	Absent	Absent	Absent	Absent
0.00160554	0.0525808	0.102428	0.843386	Present	Absent	Absent	Absent	Absent
0.0016045	0.0524704	0.103318	0.842607	Present	Absent	Absent	Absent	Absent
0.00114475	0.0424081	0.0984628	0.857984	Present	Absent	Absent	Absent	Absent
0.00489932	0.0191797	0.185804	0.790116	Present	Absent	Absent	Absent	Absent
0.0034955	0.0158982	0.169984	0.810622	Present	Absent	Absent	Absent	Absent
0.00349322	0.0158606	0.170966	0.809681	Present	Absent	Absent	Absent	Absent
0.00249229	0.0130956	0.156137	0.828275	Present	Absent	Absent	Absent	Absent
0.00350908	0.0160406	0.169076	0.811375	Present	Absent	Absent	Absent	Absent
0.00250361	0.0132421	0.154451	0.829804	Present	Absent	Absent	Absent	Absent
0.00250198	0.0132113	0.155329	0.828957	Present	Absent	Absent	Absent	Absent
0.00178507	0.0108707	0.141676	0.845668	Present	Absent	Absent	Absent	Absent
0.00359338	0.0161004	0.170904	0.809402	Present	Absent	Absent	Absent	Absent
0.00256375	0.013298	0.156115	0.828024	Present	Absent	Absent	Absent	Absent
0.00256208	0.013267	0.157002	0.827168	Present	Absent	Absent	Absent	Absent
0.00182796	0.0109211	0.143197	0.844054	Present	Absent	Absent	Absent	Absent
0.00257371	0.0134156	0.155304	0.828707	Present	Absent	Absent	Absent	Absent
0.00183625	0.0110419	0.141679	0.845443	Present	Absent	Absent	Absent	Absent
0.00183506	0.0110165	0.142475	0.844674	Present	Absent	Absent	Absent	Absent
0.00130925	0.00904168	0.1298	0.859849	Present	Absent	Absent	Absent	Absent
4.335e-4	0.0191031	0.172127	0.808337	Present	Absent	Absent	Absent	Absent
3.0928e-4	0.0154259	0.157202	0.827062	Present	Absent	Absent	Absent	Absent
3.0908e-4	0.0153937	0.158095	0.826202	Present	Absent	Absent	Absent	Absent
2.2052e-4	0.0124268	0.14417	0.843183	Present	Absent	Absent	Absent	Absent
3.1049e-4	0.0155512	0.156389	0.82775	Present	Absent	Absent	Absent	Absent
2.2152e-4	0.0125538	0.142646	0.844579	Present	Absent	Absent	Absent	Absent
2.2138e-4	0.0125277	0.143445	0.843806	Present	Absent	Absent	Absent	Absent
1.5794e-4	0.0101104	0.130666	0.859066	Present	Absent	Absent	Absent	Absent
3.1795e-4	0.0156607	0.158073	0.825948	Present	Absent	Absent	Absent	Absent
2.2684e-4	0.0126426	0.144177	0.842953	Present	Absent	Absent	Absent	Absent
2.267e-4	0.0126163	0.144985	0.842172	Present	Absent	Absent	Absent	Absent
1.6174e-4	0.0101822	0.132064	0.857592	Present	Absent	Absent	Absent	Absent
2.2772e-4	0.0127453	0.14345	0.843577	Present	Absent	Absent	Absent	Absent
1.6247e-4	0.0102862	0.130691	0.85886	Present	Absent	Absent	Absent	Absent
1.6237e-4	0.0102648	0.131415	0.858158	Present	Absent	Absent	Absent	Absent
1.1584e-4	0.0082824	0.119586	0.872016	Present	Absent	Absent	Absent	Absent

0.0671237	0.0887749	0.101235	0.742866	Present	Absent	Absent	Absent	Present
0.0478904	0.0776732	0.106448	0.767989	Present	Absent	Absent	Absent	Present
0.0478593	0.077446	0.10786	0.766835	Present	Absent	Absent	Absent	Present
0.0341459	0.0667773	0.109462	0.789615	Present	Absent	Absent	Absent	Present
0.0480766	0.0784971	0.104516	0.76891	Present	Absent	Absent	Absent	Present
0.0343009	0.0676438	0.106567	0.791488	Present	Absent	Absent	Absent	Present
0.0342786	0.0674563	0.107814	0.790451	Present	Absent	Absent	Absent	Present
0.0244566	0.0574827	0.107137	0.810924	Present	Absent	Absent	Absent	Present
0.0492315	0.078275	0.106	0.766494	Present	Absent	Absent	Absent	Present
0.0351249	0.0675712	0.107996	0.789307	Present	Absent	Absent	Absent	Present
0.0351021	0.0673827	0.109256	0.78826	Present	Absent	Absent	Absent	Present
0.0250441	0.057499	0.10851	0.808947	Present	Absent	Absent	Absent	Present
0.0352614	0.0682607	0.106333	0.790145	Present	Absent	Absent	Absent	Present
0.0251578	0.0582209	0.105974	0.810648	Present	Absent	Absent	Absent	Present
0.0251414	0.0580656	0.107087	0.809706	Present	Absent	Absent	Absent	Present
0.0179375	0.049079	0.104686	0.828298	Present	Absent	Absent	Absent	Present
0.00593916	0.120549	0.108323	0.765189	Present	Absent	Absent	Absent	Present
0.00423738	0.097639	0.109994	0.78813	Present	Absent	Absent	Absent	Present
0.00423463	0.0974321	0.111257	0.787076	Present	Absent	Absent	Absent	Present
0.00302126	0.078863	0.110237	0.807879	Present	Absent	Absent	Absent	Present
0.00425385	0.0984419	0.108333	0.788972	Present	Absent	Absent	Absent	Present
0.00303497	0.0796781	0.107698	0.809589	Present	Absent	Absent	Absent	Present
0.003033	0.0795099	0.108815	0.808642	Present	Absent	Absent	Absent	Present
0.00216394	0.0643177	0.10618	0.827338	Present	Absent	Absent	Absent	Present
0.00435604	0.0990966	0.109783	0.786765	Present	Absent	Absent	Absent	Present
0.00310788	0.0802148	0.109079	0.807598	Present	Absent	Absent	Absent	Present
0.00310586	0.0800454	0.110208	0.806641	Present	Absent	Absent	Absent	Present
0.00221592	0.0647556	0.107496	0.825532	Present	Absent	Absent	Absent	Present
0.00311996	0.080873	0.107645	0.808362	Present	Absent	Absent	Absent	Present
0.00222598	0.0654235	0.105265	0.827086	Present	Absent	Absent	Absent	Present
0.00222453	0.0652857	0.106264	0.826226	Present	Absent	Absent	Absent	Present
0.00158713	0.0527869	0.102422	0.843204	Present	Absent	Absent	Absent	Present
0.0067926	0.0232691	0.201666	0.768272	Present	Absent	Absent	Absent	Present
0.00484628	0.019366	0.184875	0.790912	Present	Absent	Absent	Absent	Present
0.00484313	0.0193193	0.185965	0.789873	Present	Absent	Absent	Absent	Present
0.0034554	0.0160055	0.170137	0.810402	Present	Absent	Absent	Absent	Present
0.00486512	0.0195419	0.18385	0.791743	Present	Absent	Absent	Absent	Present
0.00347109	0.0161868	0.168252	0.81209	Present	Absent	Absent	Absent	Present
0.00346883	0.0161486	0.169227	0.811155	Present	Absent	Absent	Absent	Present
0.00247489	0.0133254	0.154594	0.829606	Present	Absent	Absent	Absent	Present
0.00498199	0.0196049	0.185848	0.789565	Present	Absent	Absent	Absent	Present
0.00355447	0.0162483	0.170072	0.810125	Present	Absent	Absent	Absent	Present
0.00355216	0.0162098	0.171057	0.80918	Present	Absent	Absent	Absent	Present
0.00253434	0.0133823	0.15626	0.827824	Present	Absent	Absent	Absent	Present
0.00356829	0.0163938	0.169159	0.810879	Present	Absent	Absent	Absent	Present
0.00254585	0.013532	0.154566	0.829357	Present	Absent	Absent	Absent	Present
0.00254419	0.0135005	0.155447	0.828508	Present	Absent	Absent	Absent	Present
0.00181519	0.0111075	0.141814	0.845263	Present	Absent	Absent	Absent	Present
6.0101e-4	0.0237896	0.18722	0.788389	Present	Absent	Absent	Absent	Present
4.288e-4	0.0192159	0.171292	0.809064	Present	Absent	Absent	Absent	Present
4.2852e-4	0.0191757	0.172282	0.808114	Present	Absent	Absent	Absent	Present
3.0574e-4	0.0154839	0.157349	0.826861	Present	Absent	Absent	Absent	Present
4.3047e-4	0.0193722	0.170375	0.809822	Present	Absent	Absent	Absent	Present
3.0712e-4	0.0156423	0.155648	0.828403	Present	Absent	Absent	Absent	Present
3.0693e-4	0.0156097	0.156534	0.827549	Present	Absent	Absent	Absent	Present
2.1898e-4	0.0126006	0.142782	0.844398	Present	Absent	Absent	Absent	Present
4.4081e-4	0.0195078	0.172218	0.807833	Present	Absent	Absent	Absent	Present
3.145e-4	0.0157525	0.157325	0.826608	Present	Absent	Absent	Absent	Present
3.143e-4	0.0157196	0.15822	0.825746	Present	Absent	Absent	Absent	Present
2.2424e-4	0.0126898	0.144315	0.842771	Present	Absent	Absent	Absent	Present
3.1573e-4	0.0158805	0.156507	0.827297	Present	Absent	Absent	Absent	Present
2.2526e-4	0.0128195	0.142785	0.844171	Present	Absent	Absent	Absent	Present
2.2511e-4	0.0127928	0.143587	0.843395	Present	Absent	Absent	Absent	Present
1.6061e-4	0.0103243	0.130819	0.858696	Present	Absent	Absent	Absent	Present
0.0478522	0.0782069	0.109178	0.764763	Present	Absent	Absent	Absent	Present

0.0341409	0.0673895	0.110723	0.787746	Present	Absent	Absent	Absent	Present
0.0341186	0.0672028	0.111988	0.786691	Present	Absent	Absent	Absent	Present
0.0243424	0.0572637	0.110863	0.807531	Present	Absent	Absent	Absent	Present
0.0342735	0.0680735	0.109063	0.788589	Present	Absent	Absent	Absent	Present
0.024453	0.0579792	0.108323	0.809245	Present	Absent	Absent	Absent	Present
0.0244371	0.0578255	0.109442	0.808296	Present	Absent	Absent	Absent	Present
0.017435	0.0488208	0.106719	0.827026	Present	Absent	Absent	Absent	Present
0.0350969	0.0680044	0.11052	0.786379	Present	Absent	Absent	Absent	Present
0.0250404	0.0579994	0.109711	0.80725	Present	Absent	Absent	Absent	Present
0.0250241	0.0578447	0.11084	0.806291	Present	Absent	Absent	Absent	Present
0.0178538	0.0488903	0.108039	0.825217	Present	Absent	Absent	Absent	Present
0.0251377	0.0585699	0.108277	0.808016	Present	Absent	Absent	Absent	Present
0.0179349	0.0494848	0.105808	0.826773	Present	Absent	Absent	Absent	Present
0.0179232	0.0493578	0.106808	0.825911	Present	Absent	Absent	Absent	Present
0.0127876	0.0414018	0.102891	0.84292	Present	Absent	Absent	Absent	Present
0.004234	0.0980444	0.112537	0.785185	Present	Absent	Absent	Absent	Present
0.00302081	0.0793561	0.111451	0.806172	Present	Absent	Absent	Absent	Present
0.00301885	0.0791885	0.112584	0.805208	Present	Absent	Absent	Absent	Present
0.00215384	0.0640575	0.109549	0.82424	Present	Absent	Absent	Absent	Present
0.00303255	0.0800069	0.110018	0.806942	Present	Absent	Absent	Absent	Present
0.00216362	0.0647179	0.107314	0.825804	Present	Absent	Absent	Absent	Present
0.00216221	0.0645817	0.108318	0.824938	Present	Absent	Absent	Absent	Present
0.00154266	0.0522141	0.104202	0.842042	Present	Absent	Absent	Absent	Present
0.0031054	0.0805461	0.111425	0.804923	Present	Absent	Absent	Absent	Present
0.00221559	0.0651589	0.108643	0.823983	Present	Absent	Absent	Absent	Present
0.00221415	0.0650217	0.109657	0.823107	Present	Absent	Absent	Absent	Present
0.00157972	0.0525733	0.105457	0.84039	Present	Absent	Absent	Absent	Present
0.00222421	0.0656922	0.107402	0.824682	Present	Absent	Absent	Absent	Present
0.00158689	0.0531143	0.103488	0.841811	Present	Absent	Absent	Absent	Present
0.00158586	0.0530027	0.104387	0.841024	Present	Absent	Absent	Absent	Present
0.00113146	0.0428352	0.0994772	0.856556	Present	Absent	Absent	Absent	Present
0.00484241	0.0194654	0.187686	0.788006	Present	Absent	Absent	Absent	Present
0.00345489	0.0161231	0.171704	0.808718	Present	Absent	Absent	Absent	Present
0.00345264	0.016085	0.172696	0.807767	Present	Absent	Absent	Absent	Present
0.00246334	0.0132727	0.157716	0.826548	Present	Absent	Absent	Absent	Present
0.00346832	0.0162671	0.170787	0.809478	Present	Absent	Absent	Absent	Present
0.00247452	0.0134208	0.156013	0.828092	Present	Absent	Absent	Absent	Present
0.00247291	0.0133897	0.1569	0.827237	Present	Absent	Absent	Absent	Present
0.00176434	0.0110117	0.143108	0.844116	Present	Absent	Absent	Absent	Present
0.00355164	0.0163293	0.172634	0.807485	Present	Absent	Absent	Absent	Present
0.00253397	0.0134785	0.157693	0.826294	Present	Absent	Absent	Absent	Present
0.00253232	0.0134472	0.15859	0.82543	Present	Absent	Absent	Absent	Present
0.00180672	0.0110635	0.144644	0.842486	Present	Absent	Absent	Absent	Present
0.00254382	0.0135974	0.156874	0.826985	Present	Absent	Absent	Absent	Present
0.00181492	0.0111855	0.143111	0.843888	Present	Absent	Absent	Absent	Present
0.00181374	0.01116	0.143914	0.843112	Present	Absent	Absent	Absent	Present
0.00129404	0.00915522	0.131111	0.85844	Present	Absent	Absent	Absent	Present
4.2846e-4	0.0192937	0.173868	0.806409	Present	Absent	Absent	Absent	Present
3.0569e-4	0.0155789	0.158792	0.825323	Present	Absent	Absent	Absent	Present
3.0549e-4	0.0155465	0.159693	0.824454	Present	Absent	Absent	Absent	Present
2.1796e-4	0.0125495	0.145627	0.841606	Present	Absent	Absent	Absent	Present
3.0688e-4	0.0157055	0.15797	0.826017	Present	Absent	Absent	Absent	Present
2.1895e-4	0.0126777	0.144088	0.843016	Present	Absent	Absent	Absent	Present
2.1881e-4	0.0126513	0.144895	0.842235	Present	Absent	Absent	Absent	Present
1.5611e-4	0.0102097	0.131985	0.857649	Present	Absent	Absent	Absent	Present
3.1425e-4	0.0158162	0.159672	0.824198	Present	Absent	Absent	Absent	Present
2.2421e-4	0.0127675	0.145634	0.841374	Present	Absent	Absent	Absent	Present
2.2406e-4	0.0127409	0.14645	0.840585	Present	Absent	Absent	Absent	Present
1.5986e-4	0.0102824	0.133398	0.85616	Present	Absent	Absent	Absent	Present
2.2508e-4	0.0128711	0.1449	0.842004	Present	Absent	Absent	Absent	Present
1.6059e-4	0.0103874	0.132012	0.857441	Present	Absent	Absent	Absent	Present
1.6048e-4	0.0103658	0.132742	0.856732	Present	Absent	Absent	Absent	Present
1.145e-4	0.00836354	0.120793	0.870729	Present	Absent	Absent	Absent	Present
0.0480612	0.0772346	0.107428	0.767276	Present	Absent	Absent	Absent	Present
0.03429	0.0666256	0.109071	0.790014	Present	Absent	Absent	Absent	Present

0.0342677	0.0664402	0.110323	0.788969	Present	Absent	Absent	Absent	Present
0.0244488	0.0566632	0.109301	0.809587	Present	Absent	Absent	Absent	Present
0.0344233	0.067304	0.107425	0.790848	Present	Absent	Absent	Absent	Present
0.0245598	0.0573733	0.106784	0.811283	Present	Absent	Absent	Absent	Present
0.0245438	0.0572206	0.107892	0.810344	Present	Absent	Absent	Absent	Present
0.0175111	0.0483435	0.105272	0.828874	Present	Absent	Absent	Absent	Present
0.0352502	0.0672268	0.108862	0.788661	Present	Absent	Absent	Absent	Present
0.0251498	0.0573871	0.108154	0.809309	Present	Absent	Absent	Absent	Present
0.0251334	0.0572336	0.109273	0.808361	Present	Absent	Absent	Absent	Present
0.0179318	0.0484082	0.106576	0.827084	Present	Absent	Absent	Absent	Present
0.0252475	0.0579533	0.106733	0.810067	Present	Absent	Absent	Absent	Present
0.0180132	0.0489983	0.104365	0.828623	Present	Absent	Absent	Absent	Present
0.0180015	0.0488721	0.105356	0.827771	Present	Absent	Absent	Absent	Present
0.0128434	0.0410178	0.101541	0.844598	Present	Absent	Absent	Absent	Present
0.0042525	0.0974065	0.110862	0.78748	Present	Absent	Absent	Absent	Present
0.00303401	0.0788441	0.109879	0.808243	Present	Absent	Absent	Absent	Present
0.00303203	0.0786776	0.111001	0.807289	Present	Absent	Absent	Absent	Present
0.00216325	0.0636472	0.108072	0.826117	Present	Absent	Absent	Absent	Present
0.0030458	0.0794909	0.108458	0.809005	Present	Absent	Absent	Absent	Present
0.00217307	0.0643035	0.105858	0.827665	Present	Absent	Absent	Absent	Present
0.00217166	0.0641681	0.106852	0.826808	Present	Absent	Absent	Absent	Present
0.0015494	0.0518819	0.102839	0.843729	Present	Absent	Absent	Absent	Present
0.00311897	0.080026	0.109848	0.807007	Present	Absent	Absent	Absent	Present
0.00222527	0.0647412	0.10717	0.825863	Present	Absent	Absent	Absent	Present
0.00222383	0.0646049	0.108174	0.824997	Present	Absent	Absent	Absent	Present
0.00158662	0.0522385	0.10408	0.842095	Present	Absent	Absent	Absent	Present
0.00223392	0.0652712	0.10594	0.826555	Present	Absent	Absent	Absent	Present
0.00159382	0.0527761	0.102129	0.843501	Present	Absent	Absent	Absent	Present
0.00159279	0.0526652	0.10302	0.842722	Present	Absent	Absent	Absent	Present
0.0011364	0.042564	0.098211	0.858089	Present	Absent	Absent	Absent	Present
0.00486357	0.0192971	0.185569	0.790271	Present	Absent	Absent	Absent	Present
0.00346998	0.0159894	0.169779	0.810761	Present	Absent	Absent	Absent	Present
0.00346773	0.0159517	0.17076	0.80982	Present	Absent	Absent	Absent	Present
0.0024741	0.0131666	0.155958	0.828401	Present	Absent	Absent	Absent	Present
0.00348347	0.0161325	0.168871	0.811513	Present	Absent	Absent	Absent	Present
0.00248533	0.0133137	0.154272	0.829929	Present	Absent	Absent	Absent	Present
0.00248372	0.0132828	0.155151	0.829083	Present	Absent	Absent	Absent	Present
0.00177204	0.0109266	0.14152	0.845782	Present	Absent	Absent	Absent	Present
0.00356715	0.0161934	0.170697	0.809542	Present	Absent	Absent	Absent	Present
0.00254504	0.0133704	0.155934	0.82815	Present	Absent	Absent	Absent	Present
0.00254338	0.0133394	0.156822	0.827295	Present	Absent	Absent	Absent	Present
0.00181461	0.0109776	0.143039	0.844169	Present	Absent	Absent	Absent	Present
0.00255493	0.0134886	0.155124	0.828833	Present	Absent	Absent	Absent	Present
0.00182285	0.0110989	0.141522	0.845556	Present	Absent	Absent	Absent	Present
0.00182167	0.0110735	0.142317	0.844788	Present	Absent	Absent	Absent	Present
0.0012997	0.0090863	0.129662	0.859952	Present	Absent	Absent	Absent	Present
4.3033e-4	0.0191725	0.17192	0.808478	Present	Absent	Absent	Absent	Present
3.0703e-4	0.0154814	0.157022	0.82719	Present	Absent	Absent	Absent	Present
3.0683e-4	0.0154491	0.157914	0.82633	Present	Absent	Absent	Absent	Present
2.1891e-4	0.0124712	0.144012	0.843298	Present	Absent	Absent	Absent	Present
3.0822e-4	0.0156072	0.156209	0.827876	Present	Absent	Absent	Absent	Present
2.199e-4	0.0125987	0.142489	0.844693	Present	Absent	Absent	Absent	Present
2.1976e-4	0.0125724	0.143287	0.84392	Present	Absent	Absent	Absent	Present
1.5679e-4	0.0101463	0.130527	0.859169	Present	Absent	Absent	Absent	Present
3.1562e-4	0.0157171	0.157891	0.826076	Present	Absent	Absent	Absent	Present
2.2519e-4	0.0126879	0.144018	0.843069	Present	Absent	Absent	Absent	Present
2.2504e-4	0.0126614	0.144825	0.842288	Present	Absent	Absent	Absent	Present
1.6056e-4	0.0102185	0.131924	0.857697	Present	Absent	Absent	Absent	Present
2.2606e-4	0.0127909	0.143291	0.843692	Present	Absent	Absent	Absent	Present
1.6129e-4	0.0103228	0.130552	0.858964	Present	Absent	Absent	Absent	Present
1.6118e-4	0.0103013	0.131275	0.858262	Present	Absent	Absent	Absent	Present
1.15e-4	0.0083117	0.119463	0.87211	Present	Absent	Absent	Absent	Present
0.0342626	0.0670512	0.111592	0.787095	Present	Absent	Absent	Absent	Present
0.0244452	0.0571549	0.110504	0.807896	Present	Absent	Absent	Absent	Present
0.0244293	0.0570028	0.111627	0.80694	Present	Absent	Absent	Absent	Present

0.0174294	0.0481575	0.108611	0.825803	Present	Absent	Absent	Absent	Present
0.0245402	0.0577162	0.109085	0.808659	Present	Absent	Absent	Absent	Present
0.0175086	0.0487423	0.106396	0.827353	Present	Absent	Absent	Absent	Present
0.0174972	0.0486173	0.107391	0.826495	Present	Absent	Absent	Absent	Present
0.0124836	0.0407662	0.103304	0.843446	Present	Absent	Absent	Absent	Present
0.0251297	0.0577329	0.110479	0.806658	Present	Absent	Absent	Absent	Present
0.0179292	0.0488099	0.107713	0.825548	Present	Absent	Absent	Absent	Present
0.0179175	0.0486843	0.108718	0.82468	Present	Absent	Absent	Absent	Present
0.0127835	0.0408588	0.104549	0.841809	Present	Absent	Absent	Absent	Present
0.0179988	0.0492771	0.106483	0.826241	Present	Absent	Absent	Absent	Present
0.0128415	0.0413437	0.102597	0.843217	Present	Absent	Absent	Absent	Present
0.0128332	0.0412406	0.103489	0.842438	Present	Absent	Absent	Absent	Present
0.00915603	0.034396	0.0986163	0.857832	Present	Absent	Absent	Absent	Present
0.00303158	0.0791696	0.112222	0.805577	Present	Absent	Absent	Absent	Present
0.00216293	0.0640434	0.109221	0.824573	Present	Absent	Absent	Absent	Present
0.00216152	0.0639086	0.11023	0.8237	Present	Absent	Absent	Absent	Present
0.00154217	0.0516719	0.105861	0.840925	Present	Absent	Absent	Absent	Present
0.00217134	0.0645676	0.107991	0.82527	Present	Absent	Absent	Absent	Present
0.00154917	0.0522036	0.103906	0.842341	Present	Absent	Absent	Absent	Present
0.00154816	0.052094	0.104801	0.841557	Present	Absent	Absent	Absent	Present
0.00110456	0.0420998	0.0997587	0.857037	Present	Absent	Absent	Absent	Present
0.0022235	0.0650073	0.109327	0.823442	Present	Absent	Absent	Absent	Present
0.00158639	0.0525625	0.105159	0.840692	Present	Absent	Absent	Absent	Present
0.00158536	0.0524521	0.106063	0.8399	Present	Absent	Absent	Absent	Present
0.00113109	0.0423917	0.100935	0.855542	Present	Absent	Absent	Absent	Present
0.00159255	0.0529919	0.10409	0.841325	Present	Absent	Absent	Absent	Present
0.00113623	0.0428271	0.0992088	0.856828	Present	Absent	Absent	Absent	Present
0.00113549	0.0427374	0.100011	0.856116	Present	Absent	Absent	Absent	Present
8.1013e-4	0.0345259	0.0944905	0.870173	Present	Absent	Absent	Absent	Present
0.00346721	0.016069	0.172333	0.808131	Present	Absent	Absent	Absent	Present
0.00247373	0.0132611	0.157388	0.826877	Present	Absent	Absent	Absent	Present
0.00247213	0.0132303	0.158282	0.826015	Present	Absent	Absent	Absent	Present
0.00176378	0.0108833	0.144339	0.843014	Present	Absent	Absent	Absent	Present
0.00248335	0.013378	0.156574	0.827564	Present	Absent	Absent	Absent	Present
0.00177178	0.0110033	0.142813	0.844412	Present	Absent	Absent	Absent	Present
0.00177063	0.0109781	0.143613	0.843638	Present	Absent	Absent	Absent	Present
0.00126328	0.00900482	0.130817	0.858915	Present	Absent	Absent	Absent	Present
0.00254301	0.0134353	0.15826	0.825761	Present	Absent	Absent	Absent	Present
0.00181435	0.0110549	0.144346	0.842785	Present	Absent	Absent	Absent	Present
0.00181317	0.0110296	0.145155	0.842003	Present	Absent	Absent	Absent	Present
0.00129363	0.00905014	0.132217	0.857439	Present	Absent	Absent	Absent	Present
0.0018214	0.0111513	0.143618	0.843409	Present	Absent	Absent	Absent	Present
0.0012995	0.00914897	0.130843	0.858708	Present	Absent	Absent	Absent	Present
0.00129866	0.00912832	0.131567	0.858006	Present	Absent	Absent	Absent	Present
9.2655e-4	0.00747153	0.119723	0.871879	Present	Absent	Absent	Absent	Present
3.0678e-4	0.015544	0.159362	0.824787	Present	Absent	Absent	Absent	Present
2.1888e-4	0.0125476	0.145328	0.841906	Present	Absent	Absent	Absent	Present
2.1874e-4	0.0125215	0.14614	0.841119	Present	Absent	Absent	Absent	Present
1.5606e-4	0.0101051	0.133097	0.856642	Present	Absent	Absent	Absent	Present
2.1973e-4	0.0126495	0.144597	0.842534	Present	Absent	Absent	Absent	Present
1.5677e-4	0.0102083	0.131716	0.857919	Present	Absent	Absent	Absent	Present
1.5667e-4	0.0101871	0.132444	0.857212	Present	Absent	Absent	Absent	Present
1.1178e-4	0.00821927	0.120507	0.871162	Present	Absent	Absent	Absent	Present
2.2501e-4	0.012739	0.146149	0.840887	Present	Absent	Absent	Absent	Present
1.6053e-4	0.0102809	0.133126	0.856433	Present	Absent	Absent	Absent	Present
1.6043e-4	0.0102596	0.133861	0.855719	Present	Absent	Absent	Absent	Present
1.1446e-4	0.00827798	0.121793	0.869815	Present	Absent	Absent	Absent	Present
1.6116e-4	0.0103643	0.132472	0.857003	Present	Absent	Absent	Absent	Present
1.1498e-4	0.00836241	0.120549	0.870974	Present	Absent	Absent	Absent	Present
1.1491e-4	0.00834504	0.121208	0.870332	Present	Absent	Absent	Absent	Present
8.198e-5	0.00673182	0.110185	0.883001	Present	Absent	Absent	Absent	Present
0.0673243	0.0866741	0.0987878	0.747214	Present	Absent	Absent	Present	Absent
0.0480335	0.0759997	0.104056	0.771911	Present	Absent	Absent	Present	Absent
0.0480023	0.0757757	0.105445	0.770777	Present	Absent	Absent	Present	Absent
0.0342479	0.0654451	0.107135	0.793172	Present	Absent	Absent	Present	Absent

0.0482202	0.0768106	0.102152	0.772818	Present	Absent	Absent	Present	Absent
0.0344034	0.0662988	0.104284	0.795013	Present	Absent	Absent	Present	Absent
0.0343811	0.0661139	0.105511	0.793994	Present	Absent	Absent	Present	Absent
0.0245297	0.0564108	0.104938	0.814121	Present	Absent	Absent	Present	Absent
0.0493786	0.0765737	0.103606	0.770442	Present	Absent	Absent	Present	Absent
0.0352299	0.0662145	0.105686	0.79287	Present	Absent	Absent	Present	Absent
0.035207	0.0660286	0.106925	0.79184	Present	Absent	Absent	Present	Absent
0.0251189	0.0564181	0.106286	0.812177	Present	Absent	Absent	Present	Absent
0.0353668	0.0668935	0.104047	0.793693	Present	Absent	Absent	Present	Absent
0.025233	0.0571294	0.103788	0.813849	Present	Absent	Absent	Present	Absent
0.0252166	0.0569763	0.104884	0.812923	Present	Absent	Absent	Present	Absent
0.0179911	0.0482086	0.102599	0.831201	Present	Absent	Absent	Present	Absent
0.00595691	0.11899	0.105895	0.769158	Present	Absent	Absent	Present	Absent
0.00425004	0.0963846	0.107653	0.791712	Present	Absent	Absent	Present	Absent
0.00424728	0.0961802	0.108897	0.790676	Present	Absent	Absent	Present	Absent
0.00303028	0.0778559	0.107987	0.811127	Present	Absent	Absent	Present	Absent
0.00426656	0.0971775	0.106016	0.792539	Present	Absent	Absent	Present	Absent
0.00304404	0.0786609	0.105486	0.812809	Present	Absent	Absent	Present	Absent
0.00304206	0.0784947	0.106586	0.811878	Present	Absent	Absent	Present	Absent
0.0021704	0.0635009	0.104071	0.830257	Present	Absent	Absent	Present	Absent
0.00436906	0.0978226	0.107438	0.79037	Present	Absent	Absent	Present	Absent
0.00311717	0.0791899	0.106842	0.810851	Present	Absent	Absent	Present	Absent
0.00311514	0.0790226	0.107952	0.80991	Present	Absent	Absent	Present	Absent
0.00222254	0.0639327	0.105362	0.828482	Present	Absent	Absent	Present	Absent
0.00312928	0.0798399	0.105428	0.811602	Present	Absent	Absent	Present	Absent
0.00223263	0.0645923	0.103166	0.830009	Present	Absent	Absent	Present	Absent
0.00223118	0.0644562	0.104149	0.829164	Present	Absent	Absent	Present	Absent
0.00159187	0.0521194	0.100434	0.845855	Present	Absent	Absent	Present	Absent
0.0068129	0.0228824	0.198114	0.77219	Present	Absent	Absent	Present	Absent
0.00486076	0.0190564	0.181635	0.794447	Present	Absent	Absent	Present	Absent
0.0048576	0.0190103	0.182707	0.793425	Present	Absent	Absent	Present	Absent
0.00346573	0.015758	0.167168	0.813608	Present	Absent	Absent	Present	Absent
0.00487966	0.0192299	0.180626	0.795264	Present	Absent	Absent	Present	Absent
0.00348146	0.0159368	0.165315	0.815267	Present	Absent	Absent	Present	Absent
0.0034792	0.0158991	0.166273	0.814348	Present	Absent	Absent	Present	Absent
0.00248229	0.0131254	0.151906	0.832487	Present	Absent	Absent	Present	Absent
0.00499688	0.0192903	0.18259	0.793123	Present	Absent	Absent	Present	Absent
0.0035651	0.0159963	0.167103	0.813335	Present	Absent	Absent	Present	Absent
0.00356278	0.0159584	0.168072	0.812407	Present	Absent	Absent	Present	Absent
0.00254192	0.0131808	0.153542	0.830735	Present	Absent	Absent	Present	Absent
0.00357895	0.0161398	0.166204	0.814077	Present	Absent	Absent	Present	Absent
0.00255346	0.0133284	0.151876	0.832242	Present	Absent	Absent	Present	Absent
0.0025518	0.0132974	0.152744	0.831407	Present	Absent	Absent	Present	Absent
0.00182062	0.0109446	0.139356	0.847879	Present	Absent	Absent	Present	Absent
6.0281e-4	0.0234905	0.18394	0.791967	Present	Absent	Absent	Present	Absent
4.3008e-4	0.0189751	0.168303	0.812292	Present	Absent	Absent	Present	Absent
4.298e-4	0.0189355	0.169277	0.811358	Present	Absent	Absent	Present	Absent
3.0665e-4	0.0152905	0.154614	0.829789	Present	Absent	Absent	Present	Absent
4.3176e-4	0.0191296	0.167401	0.813038	Present	Absent	Absent	Present	Absent
3.0804e-4	0.015447	0.152941	0.831304	Present	Absent	Absent	Present	Absent
3.0784e-4	0.0154148	0.153812	0.830465	Present	Absent	Absent	Present	Absent
2.1963e-4	0.0124437	0.140308	0.847029	Present	Absent	Absent	Present	Absent
4.4213e-4	0.0192634	0.169212	0.811082	Present	Absent	Absent	Present	Absent
3.1544e-4	0.0155557	0.154589	0.82954	Present	Absent	Absent	Present	Absent
3.1524e-4	0.0155233	0.15547	0.828692	Present	Absent	Absent	Present	Absent
2.2491e-4	0.0125317	0.141814	0.845429	Present	Absent	Absent	Present	Absent
3.1667e-4	0.0156822	0.153784	0.830217	Present	Absent	Absent	Present	Absent
2.2593e-4	0.0126598	0.140309	0.846805	Present	Absent	Absent	Present	Absent
2.2578e-4	0.0126335	0.141098	0.846043	Present	Absent	Absent	Present	Absent
1.6109e-4	0.010196	0.128558	0.861085	Present	Absent	Absent	Present	Absent
0.0479952	0.0765274	0.106737	0.768741	Present	Absent	Absent	Present	Absent
0.0342429	0.06605	0.108372	0.791335	Present	Absent	Absent	Present	Absent
0.0342206	0.0658659	0.109617	0.790297	Present	Absent	Absent	Present	Absent
0.0244152	0.0561963	0.108603	0.810785	Present	Absent	Absent	Present	Absent
0.034376	0.0667236	0.106737	0.792164	Present	Absent	Absent	Present	Absent

0.024526	0.0569014	0.106103	0.81247	Present	Absent	Absent	Present	Absent
0.0245101	0.0567498	0.107203	0.811537	Present	Absent	Absent	Present	Absent
0.0174871	0.0479612	0.104602	0.82995	Present	Absent	Absent	Present	Absent
0.0352018	0.0666429	0.108165	0.78999	Present	Absent	Absent	Present	Absent
0.0251152	0.0569124	0.107464	0.810508	Present	Absent	Absent	Present	Absent
0.0250989	0.0567599	0.108575	0.809566	Present	Absent	Absent	Present	Absent
0.0179072	0.0480234	0.105898	0.828172	Present	Absent	Absent	Present	Absent
0.0252128	0.0574745	0.106051	0.811261	Present	Absent	Absent	Present	Absent
0.0179885	0.0486095	0.103701	0.829701	Present	Absent	Absent	Present	Absent
0.0179768	0.0484841	0.104685	0.828854	Present	Absent	Absent	Present	Absent
0.0128258	0.0407031	0.100896	0.845576	Present	Absent	Absent	Present	Absent
0.00424665	0.0967851	0.110152	0.788817	Present	Absent	Absent	Present	Absent
0.00302984	0.078343	0.109178	0.809449	Present	Absent	Absent	Present	Absent
0.00302787	0.0781775	0.110293	0.808502	Present	Absent	Absent	Present	Absent
0.00216028	0.0632441	0.107384	0.827211	Present	Absent	Absent	Present	Absent
0.00304161	0.0789857	0.107766	0.810206	Present	Absent	Absent	Present	Absent
0.00217008	0.0638963	0.105184	0.828749	Present	Absent	Absent	Present	Absent
0.00216867	0.0637617	0.106172	0.827898	Present	Absent	Absent	Present	Absent
0.00154727	0.0515543	0.102186	0.844712	Present	Absent	Absent	Present	Absent
0.00311468	0.0795172	0.109146	0.808222	Present	Absent	Absent	Present	Absent
0.00222221	0.0643311	0.106488	0.826959	Present	Absent	Absent	Present	Absent
0.00222077	0.0641956	0.107486	0.826098	Present	Absent	Absent	Present	Absent
0.00158444	0.0519085	0.103419	0.843088	Present	Absent	Absent	Present	Absent
0.00223085	0.0648578	0.105265	0.827646	Present	Absent	Absent	Present	Absent
0.00159163	0.0524428	0.10148	0.844485	Present	Absent	Absent	Present	Absent
0.0015906	0.0523326	0.102365	0.843712	Present	Absent	Absent	Present	Absent
0.00113484	0.0422959	0.0975879	0.858981	Present	Absent	Absent	Present	Absent
0.00485688	0.0191546	0.184398	0.79159	Present	Absent	Absent	Present	Absent
0.00346521	0.0158741	0.168709	0.811952	Present	Absent	Absent	Present	Absent
0.00346296	0.0158366	0.169684	0.811017	Present	Absent	Absent	Present	Absent
0.0024707	0.0130735	0.154975	0.829481	Present	Absent	Absent	Present	Absent
0.00347868	0.0160162	0.167806	0.812699	Present	Absent	Absent	Present	Absent
0.00248192	0.0132196	0.1533	0.830998	Present	Absent	Absent	Present	Absent
0.0024803	0.0131889	0.154173	0.830158	Present	Absent	Absent	Present	Absent
0.00176961	0.0108507	0.140628	0.846752	Present	Absent	Absent	Present	Absent
0.00356225	0.0160763	0.169621	0.81074	Present	Absent	Absent	Present	Absent
0.00254154	0.0132757	0.154951	0.829231	Present	Absent	Absent	Present	Absent
0.00253989	0.0132448	0.155833	0.828382	Present	Absent	Absent	Present	Absent
0.00181212	0.0109012	0.142137	0.845149	Present	Absent	Absent	Present	Absent
0.00255142	0.0133931	0.154146	0.82991	Present	Absent	Absent	Present	Absent
0.00182035	0.0110217	0.14063	0.846528	Present	Absent	Absent	Present	Absent
0.00181916	0.0109964	0.14142	0.845765	Present	Absent	Absent	Present	Absent
0.00129791	0.00902399	0.128845	0.860833	Present	Absent	Absent	Present	Absent
4.2974e-4	0.0190521	0.170836	0.809682	Present	Absent	Absent	Present	Absent
3.066e-4	0.0153844	0.156032	0.828277	Present	Absent	Absent	Present	Absent
3.0641e-4	0.0153523	0.156919	0.827423	Present	Absent	Absent	Present	Absent
2.1861e-4	0.0123932	0.143105	0.844284	Present	Absent	Absent	Present	Absent
3.078e-4	0.0155094	0.155224	0.828959	Present	Absent	Absent	Present	Absent
2.196e-4	0.0125199	0.141591	0.84567	Present	Absent	Absent	Present	Absent
2.1946e-4	0.0124938	0.142384	0.844902	Present	Absent	Absent	Present	Absent
1.5658e-4	0.0100829	0.129705	0.860056	Present	Absent	Absent	Present	Absent
3.1519e-4	0.0156186	0.156896	0.82717	Present	Absent	Absent	Present	Absent
2.2488e-4	0.0126085	0.143111	0.844056	Present	Absent	Absent	Present	Absent
2.2473e-4	0.0125822	0.143913	0.84328	Present	Absent	Absent	Present	Absent
1.6034e-4	0.0101546	0.131093	0.858592	Present	Absent	Absent	Present	Absent
2.2575e-4	0.0127108	0.142388	0.844675	Present	Absent	Absent	Present	Absent
1.6107e-4	0.0102583	0.12973	0.859851	Present	Absent	Absent	Present	Absent
1.6096e-4	0.010237	0.130448	0.859154	Present	Absent	Absent	Present	Absent
1.1484e-4	0.00825986	0.118711	0.872915	Present	Absent	Absent	Present	Absent
0.0482049	0.0755638	0.10502	0.771211	Present	Absent	Absent	Present	Absent
0.0343925	0.0652931	0.10675	0.793564	Present	Absent	Absent	Present	Absent
0.0343701	0.0651103	0.107982	0.792537	Present	Absent	Absent	Present	Absent
0.0245219	0.0556015	0.10707	0.812807	Present	Absent	Absent	Present	Absent
0.0345261	0.0659612	0.105128	0.794384	Present	Absent	Absent	Present	Absent
0.0246332	0.0563012	0.104592	0.814473	Present	Absent	Absent	Present	Absent

0.0246172	0.0561507	0.105682	0.81355	Present	Absent	Absent	Present	Absent
0.0175635	0.0474885	0.103181	0.831767	Present	Absent	Absent	Present	Absent
0.0353555	0.0658724	0.106538	0.792234	Present	Absent	Absent	Present	Absent
0.0252249	0.056306	0.105936	0.812533	Present	Absent	Absent	Present	Absent
0.0252085	0.0561546	0.107036	0.811601	Present	Absent	Absent	Present	Absent
0.0179854	0.047546	0.104461	0.830007	Present	Absent	Absent	Present	Absent
0.025323	0.0568637	0.104535	0.813278	Present	Absent	Absent	Present	Absent
0.0180671	0.0481277	0.102284	0.831521	Present	Absent	Absent	Present	Absent
0.0180553	0.0480032	0.103259	0.830683	Present	Absent	Absent	Present	Absent
0.0128818	0.0403229	0.0995699	0.847225	Present	Absent	Absent	Present	Absent
0.0042652	0.0961547	0.108507	0.791073	Present	Absent	Absent	Present	Absent
0.00304307	0.077837	0.107635	0.811485	Present	Absent	Absent	Present	Absent
0.00304109	0.0776726	0.108739	0.810547	Present	Absent	Absent	Present	Absent
0.00216971	0.0628386	0.105935	0.829057	Present	Absent	Absent	Present	Absent
0.0030549	0.0784758	0.106235	0.812234	Present	Absent	Absent	Present	Absent
0.00217956	0.0634868	0.103755	0.830579	Present	Absent	Absent	Present	Absent
0.00217815	0.063353	0.104732	0.829736	Present	Absent	Absent	Present	Absent
0.00155403	0.051226	0.100849	0.846371	Present	Absent	Absent	Present	Absent
0.00312829	0.0790033	0.107598	0.81027	Present	Absent	Absent	Present	Absent
0.00223192	0.0639184	0.105043	0.828807	Present	Absent	Absent	Present	Absent
0.00223047	0.0637837	0.10603	0.827956	Present	Absent	Absent	Present	Absent
0.00159136	0.0515777	0.102066	0.844765	Present	Absent	Absent	Present	Absent
0.0022406	0.0644418	0.10383	0.829487	Present	Absent	Absent	Present	Absent
0.00159859	0.0521086	0.100146	0.846147	Present	Absent	Absent	Present	Absent
0.00159755	0.0519992	0.101022	0.845381	Present	Absent	Absent	Present	Absent
0.00113979	0.042028	0.0963443	0.860488	Present	Absent	Absent	Present	Absent
0.0048781	0.018988	0.182317	0.793817	Present	Absent	Absent	Present	Absent
0.00348035	0.0157419	0.166817	0.813961	Present	Absent	Absent	Present	Absent
0.00347809	0.0157046	0.167782	0.813036	Present	Absent	Absent	Present	Absent
0.00248149	0.0129686	0.153248	0.831302	Present	Absent	Absent	Present	Absent
0.00349388	0.015883	0.165923	0.8147	Present	Absent	Absent	Present	Absent
0.00249276	0.0131137	0.151589	0.832804	Present	Absent	Absent	Present	Absent
0.00249114	0.0130832	0.152453	0.831973	Present	Absent	Absent	Present	Absent
0.00177734	0.0107665	0.139067	0.848389	Present	Absent	Absent	Present	Absent
0.00357781	0.0159419	0.167718	0.812762	Present	Absent	Absent	Present	Absent
0.00255264	0.0131688	0.153223	0.831056	Present	Absent	Absent	Present	Absent
0.00255098	0.0131382	0.154096	0.830215	Present	Absent	Absent	Present	Absent
0.00182004	0.0108163	0.14056	0.846803	Present	Absent	Absent	Present	Absent
0.00256256	0.0132854	0.152425	0.831727	Present	Absent	Absent	Present	Absent
0.0018283	0.0109359	0.139068	0.848167	Present	Absent	Absent	Present	Absent
0.00182711	0.0109109	0.13985	0.847412	Present	Absent	Absent	Present	Absent
0.00130358	0.00895582	0.12742	0.86232	Present	Absent	Absent	Present	Absent
4.3162e-4	0.0189322	0.168921	0.811716	Present	Absent	Absent	Present	Absent
3.0794e-4	0.0152881	0.154293	0.830111	Present	Absent	Absent	Present	Absent
3.0774e-4	0.0152562	0.15517	0.829266	Present	Absent	Absent	Present	Absent
2.1956e-4	0.0123159	0.141517	0.845947	Present	Absent	Absent	Present	Absent
3.0914e-4	0.0154123	0.153492	0.830786	Present	Absent	Absent	Present	Absent
2.2056e-4	0.0124418	0.140019	0.847319	Present	Absent	Absent	Present	Absent
2.2042e-4	0.0124159	0.140804	0.846559	Present	Absent	Absent	Present	Absent
1.5726e-4	0.0100203	0.128272	0.861551	Present	Absent	Absent	Present	Absent
3.1657e-4	0.0155207	0.155146	0.829017	Present	Absent	Absent	Present	Absent
2.2586e-4	0.0125298	0.141522	0.845722	Present	Absent	Absent	Present	Absent
2.2571e-4	0.0125037	0.142316	0.844955	Present	Absent	Absent	Present	Absent
1.6104e-4	0.0100915	0.129645	0.860103	Present	Absent	Absent	Present	Absent
2.2674e-4	0.0126315	0.140807	0.846335	Present	Absent	Absent	Present	Absent
1.6177e-4	0.0101945	0.128296	0.861348	Present	Absent	Absent	Present	Absent
1.6166e-4	0.0101733	0.129007	0.860659	Present	Absent	Absent	Present	Absent
1.1534e-4	0.00820865	0.117404	0.874272	Present	Absent	Absent	Present	Absent
0.034365	0.0657139	0.109227	0.790694	Present	Absent	Absent	Present	Absent
0.0245182	0.0560872	0.108251	0.811144	Present	Absent	Absent	Present	Absent
0.0245023	0.0559373	0.109356	0.810205	Present	Absent	Absent	Present	Absent
0.0174815	0.047306	0.106465	0.828748	Present	Absent	Absent	Present	Absent
0.0246135	0.0566403	0.106852	0.811894	Present	Absent	Absent	Present	Absent
0.0175609	0.0478824	0.104284	0.830272	Present	Absent	Absent	Present	Absent
0.0175495	0.0477592	0.105263	0.829428	Present	Absent	Absent	Present	Absent

0.0125209	0.0400799	0.101306	0.846093	Present	Absent	Absent	Present	Absent
0.0252048	0.0566478	0.10822	0.809927	Present	Absent	Absent	Present	Absent
0.0179827	0.0479429	0.105577	0.828497	Present	Absent	Absent	Present	Absent
0.017971	0.0478189	0.106566	0.827644	Present	Absent	Absent	Present	Absent
0.0128217	0.0401668	0.102528	0.844484	Present	Absent	Absent	Present	Absent
0.0180526	0.0484033	0.104365	0.829179	Present	Absent	Absent	Present	Absent
0.0128799	0.0406449	0.100607	0.845868	Present	Absent	Absent	Present	Absent
0.0128715	0.0405432	0.101484	0.845102	Present	Absent	Absent	Present	Absent
0.00918339	0.0338378	0.0967435	0.860235	Present	Absent	Absent	Present	Absent
0.00304064	0.0781586	0.109936	0.808864	Present	Absent	Absent	Present	Absent
0.00216939	0.06323	0.107062	0.827539	Present	Absent	Absent	Present	Absent
0.00216798	0.0630968	0.108054	0.826681	Present	Absent	Absent	Present	Absent
0.00154678	0.0510187	0.10382	0.843614	Present	Absent	Absent	Present	Absent
0.00217782	0.0637476	0.105851	0.828224	Present	Absent	Absent	Present	Absent
0.0015538	0.0515438	0.101896	0.845007	Present	Absent	Absent	Present	Absent
0.00155279	0.0514355	0.102776	0.844236	Present	Absent	Absent	Present	Absent
0.00110786	0.0415699	0.0978681	0.859454	Present	Absent	Absent	Present	Absent
0.00223014	0.0641812	0.107161	0.826428	Present	Absent	Absent	Present	Absent
0.00159113	0.0518978	0.103125	0.843386	Present	Absent	Absent	Present	Absent
0.00159009	0.0517888	0.104014	0.842607	Present	Absent	Absent	Present	Absent
0.00113447	0.0418578	0.0990234	0.857984	Present	Absent	Absent	Present	Absent
0.00159731	0.0523218	0.102073	0.844008	Present	Absent	Absent	Present	Absent
0.00113963	0.0422879	0.0973239	0.859249	Present	Absent	Absent	Present	Absent
0.00113888	0.0421992	0.0981134	0.858549	Present	Absent	Absent	Present	Absent
8.1255e-4	0.0340928	0.0927262	0.872369	Present	Absent	Absent	Present	Absent
0.00347758	0.0158205	0.169327	0.811375	Present	Absent	Absent	Present	Absent
0.00248113	0.0130619	0.154653	0.829804	Present	Absent	Absent	Present	Absent
0.00247951	0.0130315	0.155532	0.828957	Present	Absent	Absent	Present	Absent
0.00176905	0.0107238	0.141839	0.845668	Present	Absent	Absent	Present	Absent
0.00249077	0.0131773	0.153852	0.83048	Present	Absent	Absent	Present	Absent
0.00177708	0.0108423	0.140338	0.847042	Present	Absent	Absent	Present	Absent
0.00177592	0.0108175	0.141125	0.846281	Present	Absent	Absent	Present	Absent
0.00126706	0.00887589	0.128557	0.8613	Present	Absent	Absent	Present	Absent
0.00255061	0.0132329	0.155509	0.828707	Present	Absent	Absent	Present	Absent
0.00181977	0.0108926	0.141845	0.845443	Present	Absent	Absent	Present	Absent
0.00181858	0.0108676	0.14264	0.844674	Present	Absent	Absent	Present	Absent
0.0012975	0.0089202	0.129933	0.859849	Present	Absent	Absent	Present	Absent
0.00182684	0.0109878	0.141129	0.846057	Present	Absent	Absent	Present	Absent
0.00130339	0.00901774	0.128582	0.861097	Present	Absent	Absent	Present	Absent
0.00130254	0.00899735	0.129294	0.860406	Present	Absent	Absent	Present	Absent
9.2932e-4	0.0073664	0.11766	0.874045	Present	Absent	Absent	Present	Absent
3.077e-4	0.0153499	0.156593	0.82775	Present	Absent	Absent	Present	Absent
2.1953e-4	0.0123914	0.14281	0.844579	Present	Absent	Absent	Present	Absent
2.1939e-4	0.0123655	0.143609	0.843806	Present	Absent	Absent	Present	Absent
1.5653e-4	0.00997961	0.130798	0.859066	Present	Absent	Absent	Present	Absent
2.2039e-4	0.0124919	0.142091	0.845196	Present	Absent	Absent	Present	Absent
1.5724e-4	0.0100815	0.129441	0.860321	Present	Absent	Absent	Present	Absent
1.5713e-4	0.0100605	0.130156	0.859626	Present	Absent	Absent	Present	Absent
1.1211e-4	0.00811739	0.11843	0.873341	Present	Absent	Absent	Present	Absent
2.2568e-4	0.0125803	0.143617	0.843577	Present	Absent	Absent	Present	Absent
1.6101e-4	0.0101532	0.130826	0.85886	Present	Absent	Absent	Present	Absent
1.6091e-4	0.0101321	0.131549	0.858158	Present	Absent	Absent	Present	Absent
1.148e-4	0.00817535	0.119694	0.872016	Present	Absent	Absent	Present	Absent
1.6164e-4	0.0102355	0.130182	0.859421	Present	Absent	Absent	Present	Absent
1.1532e-4	0.00825874	0.11847	0.873155	Present	Absent	Absent	Present	Absent
1.1525e-4	0.00824158	0.119119	0.872525	Present	Absent	Absent	Present	Absent
8.223e-5	0.00664852	0.10829	0.884979	Present	Absent	Absent	Present	Absent
0.0476449	0.0772996	0.106145	0.76891	Present	Absent	Absent	Present	Present
0.0339929	0.0666396	0.107879	0.791488	Present	Absent	Absent	Present	Present
0.0339709	0.0664547	0.109123	0.790451	Present	Absent	Absent	Present	Present
0.024237	0.0566476	0.108191	0.810924	Present	Absent	Absent	Present	Present
0.0341251	0.0673169	0.106241	0.792317	Present	Absent	Absent	Present	Present
0.024347	0.0573563	0.105689	0.812608	Present	Absent	Absent	Present	Present
0.0243312	0.057204	0.106789	0.811675	Present	Absent	Absent	Present	Present
0.0173595	0.0483105	0.104255	0.830075	Present	Absent	Absent	Present	Present

0.0349448	0.0672448	0.107666	0.790145	Present	Absent	Absent	Present	Present
0.0249319	0.0573735	0.107047	0.810648	Present	Absent	Absent	Present	Present
0.0249157	0.0572204	0.108158	0.809706	Present	Absent	Absent	Present	Present
0.0177765	0.0483775	0.105548	0.828298	Present	Absent	Absent	Present	Present
0.0250288	0.0579387	0.105632	0.8114	Present	Absent	Absent	Present	Present
0.0178572	0.0489664	0.10335	0.829826	Present	Absent	Absent	Present	Present
0.0178456	0.0488405	0.104334	0.82898	Present	Absent	Absent	Present	Present
0.0127322	0.040978	0.100601	0.845689	Present	Absent	Absent	Present	Present
0.00421566	0.0971583	0.109654	0.788972	Present	Absent	Absent	Present	Present
0.00300772	0.0786408	0.108762	0.809589	Present	Absent	Absent	Present	Present
0.00300577	0.0784747	0.109877	0.808642	Present	Absent	Absent	Present	Present
0.00214451	0.0634814	0.107036	0.827338	Present	Absent	Absent	Present	Present
0.00301941	0.0792858	0.107349	0.810346	Present	Absent	Absent	Present	Present
0.00215425	0.0641359	0.104834	0.828875	Present	Absent	Absent	Present	Present
0.00215284	0.0640009	0.105822	0.828024	Present	Absent	Absent	Present	Present
0.00153598	0.0517455	0.101892	0.844827	Present	Absent	Absent	Present	Present
0.00309195	0.0798199	0.108726	0.808362	Present	Absent	Absent	Present	Present
0.002206	0.0645727	0.106136	0.827086	Present	Absent	Absent	Present	Present
0.00220456	0.0644367	0.107133	0.826226	Present	Absent	Absent	Present	Present
0.00157288	0.0521013	0.103122	0.843204	Present	Absent	Absent	Present	Present
0.00221457	0.0651013	0.104911	0.827773	Present	Absent	Absent	Present	Present
0.00158002	0.0526374	0.101183	0.844599	Present	Absent	Absent	Present	Present
0.00157899	0.0525269	0.102068	0.843827	Present	Absent	Absent	Present	Present
0.00112655	0.0424513	0.0973372	0.859085	Present	Absent	Absent	Present	Present
0.00482144	0.0192714	0.184164	0.791743	Present	Absent	Absent	Present	Present
0.00343992	0.0159649	0.168505	0.81209	Present	Absent	Absent	Present	Present
0.00343769	0.0159272	0.16948	0.811155	Present	Absent	Absent	Present	Present
0.00245267	0.0131442	0.154797	0.829606	Present	Absent	Absent	Present	Present
0.00345329	0.0161076	0.167602	0.812837	Present	Absent	Absent	Present	Present
0.0024638	0.0132909	0.153122	0.831123	Present	Absent	Absent	Present	Present
0.0024622	0.0132601	0.153995	0.830283	Present	Absent	Absent	Present	Present
0.00175669	0.0109064	0.140473	0.846864	Present	Absent	Absent	Present	Present
0.00353625	0.0161688	0.169416	0.810879	Present	Absent	Absent	Present	Present
0.00252299	0.0133479	0.154773	0.829357	Present	Absent	Absent	Present	Present
0.00252135	0.0133168	0.155654	0.828508	Present	Absent	Absent	Present	Present
0.00179889	0.0109575	0.141981	0.845263	Present	Absent	Absent	Present	Present
0.0025328	0.0134657	0.153967	0.830035	Present	Absent	Absent	Present	Present
0.00180706	0.0110784	0.140474	0.846641	Present	Absent	Absent	Present	Present
0.00180589	0.0110531	0.141263	0.845878	Present	Absent	Absent	Present	Present
0.00128844	0.00906843	0.128707	0.860936	Present	Absent	Absent	Present	Present
4.266e-4	0.0191212	0.17063	0.809822	Present	Absent	Absent	Present	Present
3.0437e-4	0.0154398	0.155853	0.828403	Present	Absent	Absent	Present	Present
3.0417e-4	0.0154076	0.156739	0.827549	Present	Absent	Absent	Present	Present
2.1701e-4	0.0124375	0.142947	0.844398	Present	Absent	Absent	Present	Present
3.0555e-4	0.0155653	0.155045	0.829085	Present	Absent	Absent	Present	Present
2.18e-4	0.0125646	0.141434	0.845783	Present	Absent	Absent	Present	Present
2.1786e-4	0.0125385	0.142228	0.845016	Present	Absent	Absent	Present	Present
1.5543e-4	0.0101188	0.129568	0.860158	Present	Absent	Absent	Present	Present
3.1289e-4	0.0156749	0.156715	0.827297	Present	Absent	Absent	Present	Present
2.2324e-4	0.0126536	0.142953	0.844171	Present	Absent	Absent	Present	Present
2.2309e-4	0.0126273	0.143754	0.843395	Present	Absent	Absent	Present	Present
1.5917e-4	0.0101907	0.130954	0.858696	Present	Absent	Absent	Present	Present
2.241e-4	0.0127563	0.14223	0.84479	Present	Absent	Absent	Present	Present
1.5989e-4	0.0102948	0.129591	0.859954	Present	Absent	Absent	Present	Present
1.5979e-4	0.0102734	0.13031	0.859257	Present	Absent	Absent	Present	Present
1.14e-4	0.00828906	0.118589	0.873008	Present	Absent	Absent	Present	Present
0.0339658	0.0670639	0.110381	0.78859	Present	Absent	Absent	Present	Present
0.0242334	0.0571378	0.109384	0.809245	Present	Absent	Absent	Present	Present
0.0242177	0.0569861	0.1105	0.808296	Present	Absent	Absent	Present	Present
0.0172784	0.0481246	0.107571	0.827026	Present	Absent	Absent	Present	Present
0.0243276	0.0576981	0.107972	0.810003	Present	Absent	Absent	Present	Present
0.0173569	0.0487081	0.10537	0.828565	Present	Absent	Absent	Present	Present
0.0173456	0.0485835	0.106358	0.827713	Present	Absent	Absent	Present	Present
0.0123755	0.040725	0.102354	0.844545	Present	Absent	Absent	Present	Present
0.024912	0.0577182	0.109354	0.808016	Present	Absent	Absent	Present	Present

0.0177738	0.0487781	0.106675	0.826773	Present	Absent	Absent	Present	Present
0.0177623	0.0486527	0.107674	0.825911	Present	Absent	Absent	Present	Present
0.0126728	0.0408191	0.103588	0.84292	Present	Absent	Absent	Present	Present
0.0178429	0.0492443	0.105452	0.827461	Present	Absent	Absent	Present	Present
0.0127303	0.041303	0.101649	0.844318	Present	Absent	Absent	Present	Present
0.012722	0.0412001	0.102534	0.843544	Present	Absent	Absent	Present	Present
0.00907672	0.0343532	0.0977403	0.85883	Present	Absent	Absent	Present	Present
0.00300532	0.0789654	0.111087	0.806942	Present	Absent	Absent	Present	Present
0.00214419	0.0638765	0.108175	0.825804	Present	Absent	Absent	Present	Present
0.0021428	0.063742	0.109177	0.824938	Present	Absent	Absent	Present	Present
0.00152881	0.0515361	0.104893	0.842042	Present	Absent	Absent	Present	Present
0.00215253	0.0643992	0.106952	0.826496	Present	Absent	Absent	Present	Present
0.00153575	0.0520663	0.10295	0.843448	Present	Absent	Absent	Present	Present
0.00153475	0.051957	0.103839	0.842669	Present	Absent	Absent	Present	Present
0.00109499	0.0419882	0.0988761	0.858041	Present	Absent	Absent	Present	Present
0.00220424	0.064838	0.108276	0.824682	Present	Absent	Absent	Present	Present
0.00157264	0.0524244	0.104192	0.841811	Present	Absent	Absent	Present	Present
0.00157162	0.0523143	0.10509	0.841024	Present	Absent	Absent	Present	Present
0.0011213	0.0422795	0.100043	0.856556	Present	Absent	Absent	Present	Present
0.00157876	0.0528526	0.103129	0.842439	Present	Absent	Absent	Present	Present
0.00112639	0.0427137	0.0983268	0.857833	Present	Absent	Absent	Present	Present
0.00112566	0.0426242	0.0991241	0.857126	Present	Absent	Absent	Present	Present
8.0312e-4	0.0344338	0.0936781	0.871085	Present	Absent	Absent	Present	Present
0.00343718	0.0160442	0.171041	0.809478	Present	Absent	Absent	Present	Present
0.00245231	0.0132384	0.156217	0.828092	Present	Absent	Absent	Present	Present
0.00245071	0.0132077	0.157104	0.827237	Present	Absent	Absent	Present	Present
0.0017485	0.0108631	0.143272	0.844116	Present	Absent	Absent	Present	Present
0.00246184	0.0133551	0.155408	0.828775	Present	Absent	Absent	Present	Present
0.00175643	0.0109828	0.141757	0.845504	Present	Absent	Absent	Present	Present
0.00175529	0.0109577	0.142551	0.844736	Present	Absent	Absent	Present	Present
0.00125234	0.00898696	0.129856	0.859905	Present	Absent	Absent	Present	Present
0.00252098	0.0134125	0.157082	0.826985	Present	Absent	Absent	Present	Present
0.00179863	0.0110345	0.143279	0.843888	Present	Absent	Absent	Present	Present
0.00179746	0.0110093	0.144081	0.843112	Present	Absent	Absent	Present	Present
0.00128242	0.00903234	0.131245	0.85844	Present	Absent	Absent	Present	Present
0.00180562	0.0111307	0.142555	0.844509	Present	Absent	Absent	Present	Present
0.00128825	0.00913096	0.129881	0.8597	Present	Absent	Absent	Present	Present
0.00128741	0.00911033	0.1306	0.859002	Present	Absent	Absent	Present	Present
9.1852e-4	0.00745601	0.118847	0.872778	Present	Absent	Absent	Present	Present
3.0412e-4	0.0155022	0.158176	0.826017	Present	Absent	Absent	Present	Present
2.1698e-4	0.0125137	0.144254	0.843016	Present	Absent	Absent	Present	Present
2.1684e-4	0.0124876	0.145061	0.842235	Present	Absent	Absent	Present	Present
1.5471e-4	0.0100777	0.132119	0.857649	Present	Absent	Absent	Present	Present
2.1783e-4	0.0126153	0.143527	0.843639	Present	Absent	Absent	Present	Present
1.5541e-4	0.0101806	0.130748	0.858916	Present	Absent	Absent	Present	Present
1.5531e-4	0.0101594	0.131471	0.858214	Present	Absent	Absent	Present	Present
1.1081e-4	0.00819687	0.119625	0.872067	Present	Absent	Absent	Present	Present
2.2306e-4	0.0127046	0.145068	0.842004	Present	Absent	Absent	Present	Present
1.5914e-4	0.010253	0.132147	0.857441	Present	Absent	Absent	Present	Present
1.5904e-4	0.0102317	0.132878	0.856732	Present	Absent	Absent	Present	Present
1.1347e-4	0.00825544	0.120902	0.870729	Present	Absent	Absent	Present	Present
1.5976e-4	0.0103362	0.131497	0.858007	Present	Absent	Absent	Present	Present
1.1399e-4	0.00833964	0.119667	0.87188	Present	Absent	Absent	Present	Present
1.1391e-4	0.00832231	0.120321	0.871243	Present	Absent	Absent	Present	Present
8.127e-5	0.00671342	0.109383	0.883822	Present	Absent	Absent	Present	Present
0.0341142	0.0663037	0.108734	0.790848	Present	Absent	Absent	Present	Present
0.0243393	0.0565392	0.107839	0.811283	Present	Absent	Absent	Present	Present
0.0243235	0.0563886	0.108944	0.810344	Present	Absent	Absent	Present	Present
0.0173539	0.0476531	0.106119	0.828874	Present	Absent	Absent	Present	Present
0.0244339	0.0570952	0.106439	0.812032	Present	Absent	Absent	Present	Present
0.0174327	0.0482323	0.103938	0.830397	Present	Absent	Absent	Present	Present
0.0174214	0.0481085	0.104917	0.829553	Present	Absent	Absent	Present	Present
0.0124295	0.0403494	0.101015	0.846206	Present	Absent	Absent	Present	Present
0.0250209	0.0571091	0.107804	0.810067	Present	Absent	Absent	Present	Present
0.0178515	0.0482975	0.105228	0.828623	Present	Absent	Absent	Present	Present

0.0178399	0.048173	0.106216	0.827771	Present	Absent	Absent	Present	Present
0.0127281	0.0404398	0.102234	0.844598	Present	Absent	Absent	Present	Present
0.0179209	0.0487601	0.104015	0.829304	Present	Absent	Absent	Present	Present
0.0127859	0.0409202	0.100313	0.845981	Present	Absent	Absent	Present	Present
0.0127776	0.040818	0.101189	0.845215	Present	Absent	Absent	Present	Present
0.00911637	0.0340506	0.0964951	0.860338	Present	Absent	Absent	Present	Present
0.00301845	0.0784559	0.109521	0.809005	Present	Absent	Absent	Present	Present
0.00215356	0.0634674	0.106714	0.827665	Present	Absent	Absent	Present	Present
0.00215216	0.0633337	0.107706	0.826808	Present	Absent	Absent	Present	Present
0.00153549	0.0512081	0.103527	0.843729	Present	Absent	Absent	Present	Present
0.00216193	0.0639868	0.105501	0.82835	Present	Absent	Absent	Present	Present
0.00154246	0.051735	0.101602	0.84512	Present	Absent	Absent	Present	Present
0.00154146	0.0516264	0.102482	0.84435	Present	Absent	Absent	Present	Present
0.00109978	0.0417226	0.0976204	0.859557	Present	Absent	Absent	Present	Present
0.00221386	0.0644224	0.106809	0.826555	Present	Absent	Absent	Present	Present
0.00157951	0.0520906	0.102829	0.843501	Present	Absent	Absent	Present	Present
0.00157849	0.0519812	0.103718	0.842722	Present	Absent	Absent	Present	Present
0.00112619	0.0420118	0.0987735	0.858089	Present	Absent	Absent	Present	Present
0.00158565	0.0525162	0.101776	0.844123	Present	Absent	Absent	Present	Present
0.00113131	0.0424433	0.0970735	0.859352	Present	Absent	Absent	Present	Present
0.00113057	0.0423544	0.0978627	0.858652	Present	Absent	Absent	Present	Present
8.0662e-4	0.034217	0.0925142	0.872462	Present	Absent	Absent	Present	Present
0.00345219	0.0159113	0.169123	0.811513	Present	Absent	Absent	Present	Present
0.00246302	0.0131327	0.154476	0.829929	Present	Absent	Absent	Present	Present
0.00246142	0.0131022	0.155354	0.829083	Present	Absent	Absent	Present	Present
0.00175613	0.0107791	0.141683	0.845782	Present	Absent	Absent	Present	Present
0.00247259	0.0132485	0.153674	0.830604	Present	Absent	Absent	Present	Present
0.00176411	0.010898	0.140183	0.847155	Present	Absent	Absent	Present	Present
0.00176296	0.0108731	0.14097	0.846394	Present	Absent	Absent	Present	Present
0.00125781	0.00891949	0.128421	0.861402	Present	Absent	Absent	Present	Present
0.00253199	0.013305	0.15533	0.828833	Present	Absent	Absent	Present	Present
0.00180649	0.0109489	0.141688	0.845556	Present	Absent	Absent	Present	Present
0.00180531	0.0109239	0.142483	0.844788	Present	Absent	Absent	Present	Present
0.00128803	0.00896428	0.129795	0.859952	Present	Absent	Absent	Present	Present
0.00181351	0.0110445	0.140972	0.84617	Present	Absent	Absent	Present	Present
0.00129387	0.00906221	0.128445	0.861199	Present	Absent	Absent	Present	Present
0.00129303	0.00904174	0.129156	0.860509	Present	Absent	Absent	Present	Present
9.2253e-4	0.00740129	0.117539	0.874137	Present	Absent	Absent	Present	Present
3.0545e-4	0.0154051	0.156413	0.827876	Present	Absent	Absent	Present	Present
2.1793e-4	0.0124357	0.142654	0.844693	Present	Absent	Absent	Present	Present
2.1779e-4	0.0124098	0.143452	0.84392	Present	Absent	Absent	Present	Present
1.5538e-4	0.0100151	0.13066	0.859169	Present	Absent	Absent	Present	Present
2.1878e-4	0.0125366	0.141935	0.84531	Present	Absent	Absent	Present	Present
1.5609e-4	0.0101173	0.129303	0.860423	Present	Absent	Absent	Present	Present
1.5599e-4	0.0100963	0.130019	0.859729	Present	Absent	Absent	Present	Present
1.1129e-4	0.00814609	0.118309	0.873434	Present	Absent	Absent	Present	Present
2.2403e-4	0.0126253	0.143459	0.843692	Present	Absent	Absent	Present	Present
1.5984e-4	0.0101893	0.130687	0.858963	Present	Absent	Absent	Present	Present
1.5974e-4	0.0101681	0.13141	0.858262	Present	Absent	Absent	Present	Present
1.1397e-4	0.00820427	0.119572	0.87211	Present	Absent	Absent	Present	Present
1.6046e-4	0.0102719	0.130044	0.859524	Present	Absent	Absent	Present	Present
1.1448e-4	0.00828795	0.118349	0.873249	Present	Absent	Absent	Present	Present
1.1441e-4	0.00827073	0.118997	0.872618	Present	Absent	Absent	Present	Present
8.163e-5	0.00667192	0.108183	0.885064	Present	Absent	Absent	Present	Present
0.0243199	0.0568778	0.110143	0.808659	Present	Absent	Absent	Present	Present
0.0173514	0.0480467	0.107249	0.827353	Present	Absent	Absent	Present	Present
0.0173401	0.0479234	0.108242	0.826495	Present	Absent	Absent	Present	Present
0.0123715	0.0401929	0.103989	0.843446	Present	Absent	Absent	Present	Present
0.0174188	0.0485053	0.106037	0.828039	Present	Absent	Absent	Present	Present
0.0124277	0.0406688	0.102063	0.84484	Present	Absent	Absent	Present	Present
0.0124196	0.0405676	0.102944	0.844068	Present	Absent	Absent	Present	Present
0.00886096	0.033816	0.09802	0.859303	Present	Absent	Absent	Present	Present
0.0178373	0.0485727	0.107349	0.826241	Present	Absent	Absent	Present	Present
0.0127263	0.0407616	0.103295	0.843217	Present	Absent	Absent	Present	Present
0.012718	0.0406598	0.104185	0.842438	Present	Absent	Absent	Present	Present

0.00907382	0.0339176	0.0991769	0.857832	Present	Absent	Absent	Present	Present
0.0127757	0.0411424	0.102242	0.84384	Present	Absent	Absent	Present	Present
0.00911502	0.0343116	0.0974761	0.859097	Present	Absent	Absent	Present	Present
0.00910909	0.0342282	0.0982663	0.858396	Present	Absent	Absent	Present	Present
0.00649902	0.0284056	0.092864	0.872231	Present	Absent	Absent	Present	Present
0.00215184	0.0637281	0.10885	0.82527	Present	Absent	Absent	Present	Present
0.00153526	0.0515256	0.104598	0.842341	Present	Absent	Absent	Present	Present
0.00153426	0.0514174	0.105491	0.841557	Present	Absent	Absent	Present	Present
0.00109464	0.0415537	0.100315	0.857037	Present	Absent	Absent	Present	Present
0.00154123	0.0519465	0.103545	0.842968	Present	Absent	Absent	Present	Present
0.00109961	0.0419804	0.0986103	0.85831	Present	Absent	Absent	Present	Present
0.0010989	0.0418924	0.0994037	0.857605	Present	Absent	Absent	Present	Present
7.8402e-4	0.033842	0.0938568	0.871517	Present	Absent	Absent	Present	Present
0.00157825	0.0523036	0.104793	0.841325	Present	Absent	Absent	Present	Present
0.00112603	0.0422715	0.0997746	0.856828	Present	Absent	Absent	Present	Present
0.0011253	0.0421829	0.100576	0.856116	Present	Absent	Absent	Present	Present
8.0286e-4	0.0340784	0.0949453	0.870173	Present	Absent	Absent	Present	Present
0.00113041	0.0426162	0.0988567	0.857397	Present	Absent	Absent	Present	Present
8.065e-4	0.0344278	0.0934365	0.871329	Present	Absent	Absent	Present	Present
8.0598e-4	0.0343558	0.0941489	0.870689	Present	Absent	Absent	Present	Present
5.7504e-4	0.0277449	0.0883569	0.883323	Present	Absent	Absent	Present	Present
0.00246105	0.0131962	0.156778	0.827564	Present	Absent	Absent	Present	Present
0.00175587	0.0108547	0.142978	0.844412	Present	Absent	Absent	Present	Present
0.00175473	0.0108299	0.143778	0.843638	Present	Absent	Absent	Present	Present
0.00125194	0.00888399	0.130949	0.858915	Present	Absent	Absent	Present	Present
0.0017627	0.0109494	0.142258	0.84503	Present	Absent	Absent	Present	Present
0.00125762	0.00898091	0.129591	0.860171	Present	Absent	Absent	Present	Present
0.00125681	0.00896066	0.130307	0.859475	Present	Absent	Absent	Present	Present
8.9669e-4	0.00733265	0.118566	0.873205	Present	Absent	Absent	Present	Present
0.00180504	0.0110007	0.143785	0.843409	Present	Absent	Absent	Present	Present
0.00128784	0.00902616	0.130978	0.858708	Present	Absent	Absent	Present	Present
0.001287	0.00900577	0.131702	0.858006	Present	Absent	Absent	Present	Present
9.1823e-4	0.00737176	0.119832	0.871879	Present	Absent	Absent	Present	Present
0.00129284	0.00910411	0.130333	0.85927	Present	Absent	Absent	Present	Present
9.224e-4	0.0074515	0.118607	0.873019	Present	Absent	Absent	Present	Present
9.218e-4	0.00743487	0.119256	0.872388	Present	Absent	Absent	Present	Present
6.5767e-4	0.00607295	0.108414	0.884856	Present	Absent	Absent	Present	Present
2.1776e-4	0.0124858	0.144763	0.842534	Present	Absent	Absent	Present	Present
1.5536e-4	0.0100763	0.13185	0.857919	Present	Absent	Absent	Present	Present
1.5526e-4	0.0100554	0.132578	0.857212	Present	Absent	Absent	Present	Present
1.1077e-4	0.00811304	0.120614	0.871162	Present	Absent	Absent	Present	Present
1.5597e-4	0.010158	0.131203	0.858483	Present	Absent	Absent	Present	Present
1.1128e-4	0.00819578	0.119384	0.872309	Present	Absent	Absent	Present	Present
1.112e-4	0.00817876	0.120036	0.871674	Present	Absent	Absent	Present	Present
7.934e-5	0.00659755	0.109111	0.884212	Present	Absent	Absent	Present	Present
1.5971e-4	0.0102303	0.132607	0.857003	Present	Absent	Absent	Present	Present
1.1395e-4	0.00825433	0.120658	0.870974	Present	Absent	Absent	Present	Present
1.1387e-4	0.00823718	0.121317	0.870332	Present	Absent	Absent	Present	Present
8.125e-5	0.00664485	0.110273	0.883001	Present	Absent	Absent	Present	Present
1.1439e-4	0.0083212	0.120078	0.871487	Present	Absent	Absent	Present	Present
8.161e-5	0.00671257	0.109163	0.884043	Present	Absent	Absent	Present	Present
8.156e-5	0.00669864	0.109754	0.883466	Present	Absent	Absent	Present	Present
5.819e-5	0.00540271	0.0996878	0.894851	Present	Absent	Absent	Present	Present
0.00856546	0.147766	0.0967469	0.746922	Present	Absent	Present	Absent	Absent
0.00611115	0.119801	0.10244	0.771648	Present	Absent	Present	Absent	Absent
0.00610718	0.119546	0.103835	0.770512	Present	Absent	Present	Absent	Absent
0.00435726	0.096846	0.105863	0.792933	Present	Absent	Present	Absent	Absent
0.00613491	0.12079	0.10052	0.772555	Present	Absent	Present	Absent	Absent
0.00437704	0.0978506	0.102995	0.794777	Present	Absent	Present	Absent	Absent
0.00437419	0.0976431	0.104227	0.793756	Present	Absent	Present	Absent	Absent
0.00312083	0.0790458	0.103927	0.813906	Present	Absent	Present	Absent	Absent
0.00628228	0.121578	0.101963	0.770177	Present	Absent	Present	Absent	Absent
0.00448219	0.0984989	0.104388	0.792631	Present	Absent	Present	Absent	Absent
0.00447927	0.0982899	0.105632	0.791599	Present	Absent	Present	Absent	Absent
0.0031958	0.0795764	0.105268	0.81196	Present	Absent	Present	Absent	Absent

0.00449961	0.0993098	0.102736	0.793455	Present	Absent	Present	Absent	Absent
0.00321031	0.0803997	0.102756	0.813634	Present	Absent	Present	Absent	Absent
0.00320823	0.0802297	0.103855	0.812707	Present	Absent	Present	Absent	Absent
0.00228896	0.0649135	0.101791	0.831006	Present	Absent	Present	Absent	Absent
7.5788e-4	0.126082	0.104268	0.768892	Present	Absent	Present	Absent	Absent
5.4072e-4	0.101618	0.10637	0.791471	Present	Absent	Present	Absent	Absent
5.4037e-4	0.101408	0.107617	0.790434	Present	Absent	Present	Absent	Absent
3.8553e-4	0.0817259	0.106979	0.810909	Present	Absent	Present	Absent	Absent
5.4282e-4	0.102438	0.104719	0.7923	Present	Absent	Present	Absent	Absent
3.8728e-4	0.0825553	0.104465	0.812593	Present	Absent	Present	Absent	Absent
3.8703e-4	0.0823849	0.105568	0.811661	Present	Absent	Present	Absent	Absent
2.7613e-4	0.0663899	0.103272	0.830061	Present	Absent	Present	Absent	Absent
5.5586e-4	0.103184	0.106132	0.790128	Present	Absent	Present	Absent	Absent
3.9659e-4	0.0831573	0.105813	0.810633	Present	Absent	Present	Absent	Absent
3.9633e-4	0.0829856	0.106927	0.809691	Present	Absent	Present	Absent	Absent
2.8277e-4	0.0668746	0.104558	0.828284	Present	Absent	Present	Absent	Absent
3.9813e-4	0.0838279	0.104389	0.811385	Present	Absent	Present	Absent	Absent
2.8405e-4	0.0675531	0.10235	0.829813	Present	Absent	Present	Absent	Absent
2.8387e-4	0.0674137	0.103336	0.828966	Present	Absent	Present	Absent	Absent
2.0253e-4	0.0543224	0.0997985	0.845677	Present	Absent	Present	Absent	Absent
8.6678e-4	0.0292783	0.197928	0.771927	Present	Absent	Present	Absent	Absent
6.1842e-4	0.023661	0.18151	0.79421	Present	Absent	Present	Absent	Absent
6.1802e-4	0.0236115	0.182584	0.793187	Present	Absent	Present	Absent	Absent
4.4093e-4	0.019074	0.167093	0.813393	Present	Absent	Present	Absent	Absent
6.2082e-4	0.0238539	0.180497	0.795028	Present	Absent	Present	Absent	Absent
4.4294e-4	0.0192695	0.165234	0.815054	Present	Absent	Present	Absent	Absent
4.4265e-4	0.0192292	0.166194	0.814134	Present	Absent	Present	Absent	Absent
3.1581e-4	0.0155283	0.151863	0.832293	Present	Absent	Present	Absent	Absent
6.3574e-4	0.0240194	0.182461	0.792884	Present	Absent	Present	Absent	Absent
4.5358e-4	0.0194041	0.167023	0.81312	Present	Absent	Present	Absent	Absent
4.5328e-4	0.0193636	0.167993	0.81219	Present	Absent	Present	Absent	Absent
3.234e-4	0.0156374	0.1535	0.830539	Present	Absent	Present	Absent	Absent
4.5534e-4	0.0195621	0.16612	0.813862	Present	Absent	Present	Absent	Absent
3.2487e-4	0.0157975	0.151829	0.832048	Present	Absent	Present	Absent	Absent
3.2466e-4	0.0157646	0.152698	0.831213	Present	Absent	Present	Absent	Absent
2.3163e-4	0.0127269	0.139338	0.847704	Present	Absent	Present	Absent	Absent
7.669e-5	0.0243816	0.183815	0.791727	Present	Absent	Present	Absent	Absent
5.472e-5	0.0196445	0.168226	0.812075	Present	Absent	Present	Absent	Absent
5.468e-5	0.019604	0.169201	0.81114	Present	Absent	Present	Absent	Absent
3.901e-5	0.0157944	0.154574	0.829592	Present	Absent	Present	Absent	Absent
5.493e-5	0.0198027	0.167321	0.812822	Present	Absent	Present	Absent	Absent
3.919e-5	0.0159545	0.152897	0.831109	Present	Absent	Present	Absent	Absent
3.917e-5	0.0159216	0.15377	0.830269	Present	Absent	Present	Absent	Absent
2.794e-5	0.0128272	0.140293	0.846852	Present	Absent	Present	Absent	Absent
5.625e-5	0.0199477	0.169132	0.810864	Present	Absent	Present	Absent	Absent
4.013e-5	0.0160715	0.154545	0.829343	Present	Absent	Present	Absent	Absent
4.011e-5	0.0160383	0.155427	0.828494	Present	Absent	Present	Absent	Absent
2.861e-5	0.0129213	0.1418	0.84525	Present	Absent	Present	Absent	Absent
4.029e-5	0.0162009	0.153738	0.830021	Present	Absent	Present	Absent	Absent
2.874e-5	0.0130522	0.140291	0.846628	Present	Absent	Present	Absent	Absent
2.873e-5	0.0130253	0.141081	0.845865	Present	Absent	Present	Absent	Absent
2.049e-5	0.0104935	0.128561	0.860924	Present	Absent	Present	Absent	Absent
0.00610628	0.120303	0.105117	0.768474	Present	Absent	Present	Absent	Absent
0.00435661	0.0974555	0.107094	0.791094	Present	Absent	Present	Absent	Absent
0.00435378	0.0972488	0.108342	0.790055	Present	Absent	Present	Absent	Absent
0.00310627	0.0787264	0.107601	0.810567	Present	Absent	Present	Absent	Absent
0.00437355	0.0982575	0.105445	0.791924	Present	Absent	Present	Absent	Absent
0.00312037	0.0795406	0.105086	0.812253	Present	Absent	Present	Absent	Absent
0.00311834	0.0793725	0.10619	0.811319	Present	Absent	Present	Absent	Absent
0.00222483	0.0642148	0.103807	0.829754	Present	Absent	Present	Absent	Absent
0.00447861	0.0989088	0.106865	0.789748	Present	Absent	Present	Absent	Absent
0.00319533	0.0800748	0.10644	0.81029	Present	Absent	Present	Absent	Absent
0.00319325	0.0799055	0.107555	0.809346	Present	Absent	Present	Absent	Absent
0.00227827	0.0646511	0.105097	0.827973	Present	Absent	Present	Absent	Absent
0.00320775	0.0807322	0.105016	0.811044	Present	Absent	Present	Absent	Absent

0.00228862	0.0653182	0.102888	0.829505	Present	Absent	Present	Absent	Absent
0.00228713	0.0651805	0.103876	0.828657	Present	Absent	Present	Absent	Absent
0.00163179	0.052708	0.100263	0.845397	Present	Absent	Present	Absent	Absent
5.4029e-4	0.102022	0.108865	0.788573	Present	Absent	Present	Absent	Absent
3.8548e-4	0.08222	0.108165	0.809229	Present	Absent	Present	Absent	Absent
3.8523e-4	0.0820503	0.109284	0.808281	Present	Absent	Present	Absent	Absent
2.7485e-4	0.0661202	0.106593	0.827012	Present	Absent	Present	Absent	Absent
3.8698e-4	0.0828829	0.106743	0.809987	Present	Absent	Present	Absent	Absent
2.7609e-4	0.0667911	0.104381	0.828552	Present	Absent	Present	Absent	Absent
2.7591e-4	0.0666532	0.105372	0.827699	Present	Absent	Present	Absent	Absent
1.9685e-4	0.0537091	0.101561	0.844533	Present	Absent	Present	Absent	Absent
3.9627e-4	0.0834874	0.108116	0.808	Present	Absent	Present	Absent	Absent
2.8273e-4	0.0672787	0.10568	0.826759	Present	Absent	Present	Absent	Absent
2.8254e-4	0.0671399	0.10668	0.825897	Present	Absent	Present	Absent	Absent
2.0158e-4	0.0541017	0.102789	0.842907	Present	Absent	Present	Absent	Absent
2.8382e-4	0.067821	0.104448	0.827447	Present	Absent	Present	Absent	Absent
2.025e-4	0.0546504	0.100841	0.844306	Present	Absent	Present	Absent	Absent
2.0237e-4	0.0545377	0.101729	0.843531	Present	Absent	Present	Absent	Absent
1.4438e-4	0.0439443	0.0970928	0.858818	Present	Absent	Present	Absent	Absent
6.1793e-4	0.0237573	0.184275	0.791349	Present	Absent	Present	Absent	Absent
4.4087e-4	0.0191914	0.168633	0.811735	Present	Absent	Present	Absent	Absent
4.4058e-4	0.0191513	0.16961	0.810799	Present	Absent	Present	Absent	Absent
3.1434e-4	0.0154653	0.154937	0.829284	Present	Absent	Present	Absent	Absent
4.4258e-4	0.0193476	0.167727	0.812483	Present	Absent	Present	Absent	Absent
3.1577e-4	0.0156236	0.153257	0.830804	Present	Absent	Present	Absent	Absent
3.1556e-4	0.015591	0.154131	0.829962	Present	Absent	Present	Absent	Absent
2.2514e-4	0.0125863	0.140614	0.846575	Present	Absent	Present	Absent	Absent
4.5321e-4	0.0194828	0.169542	0.810522	Present	Absent	Present	Absent	Absent
3.2335e-4	0.0157335	0.154909	0.829034	Present	Absent	Present	Absent	Absent
3.2314e-4	0.0157007	0.155792	0.828184	Present	Absent	Present	Absent	Absent
2.3055e-4	0.0126753	0.142124	0.84497	Present	Absent	Present	Absent	Absent
3.2461e-4	0.0158614	0.154101	0.829713	Present	Absent	Present	Absent	Absent
2.316e-4	0.0128049	0.140613	0.846351	Present	Absent	Present	Absent	Absent
2.3145e-4	0.0127783	0.141404	0.845586	Present	Absent	Present	Absent	Absent
1.6513e-4	0.0103131	0.128849	0.860673	Present	Absent	Present	Absent	Absent
5.467e-5	0.0197222	0.17076	0.809463	Present	Absent	Present	Absent	Absent
3.901e-5	0.0158897	0.155993	0.828078	Present	Absent	Present	Absent	Absent
3.898e-5	0.0158569	0.156881	0.827223	Present	Absent	Present	Absent	Absent
2.781e-5	0.0127751	0.143093	0.844104	Present	Absent	Present	Absent	Absent
3.916e-5	0.0160177	0.155182	0.828762	Present	Absent	Present	Absent	Absent
2.794e-5	0.0129045	0.141576	0.845492	Present	Absent	Present	Absent	Absent
2.792e-5	0.0128779	0.142371	0.844723	Present	Absent	Present	Absent	Absent
1.992e-5	0.0103747	0.129711	0.859894	Present	Absent	Present	Absent	Absent
4.01e-5	0.0161351	0.156854	0.826971	Present	Absent	Present	Absent	Absent
2.861e-5	0.0129992	0.143096	0.843876	Present	Absent	Present	Absent	Absent
2.859e-5	0.0129724	0.1439	0.843099	Present	Absent	Present	Absent	Absent
2.04e-5	0.0104508	0.1311	0.858429	Present	Absent	Present	Absent	Absent
2.872e-5	0.0131039	0.142371	0.844496	Present	Absent	Present	Absent	Absent
2.049e-5	0.0105567	0.129734	0.859689	Present	Absent	Present	Absent	Absent
2.048e-5	0.010535	0.130453	0.858991	Present	Absent	Present	Absent	Absent
1.461e-5	0.00848695	0.118731	0.872768	Present	Absent	Present	Absent	Absent
0.00613295	0.119511	0.103409	0.770947	Present	Absent	Present	Absent	Absent
0.00437565	0.09682	0.105479	0.793326	Present	Absent	Present	Absent	Absent
0.0043728	0.0966146	0.106715	0.792298	Present	Absent	Present	Absent	Absent
0.00311984	0.0782173	0.106072	0.81259	Present	Absent	Present	Absent	Absent
0.00439265	0.0976169	0.103844	0.794147	Present	Absent	Present	Absent	Absent
0.003134	0.0790264	0.103581	0.814259	Present	Absent	Present	Absent	Absent
0.00313197	0.0788594	0.104673	0.813335	Present	Absent	Present	Absent	Absent
0.00223455	0.0638028	0.10239	0.831573	Present	Absent	Present	Absent	Absent
0.00449818	0.0982632	0.105245	0.791994	Present	Absent	Present	Absent	Absent
0.00320929	0.0795567	0.104917	0.812316	Present	Absent	Present	Absent	Absent
0.0032072	0.0793884	0.106021	0.811383	Present	Absent	Present	Absent	Absent
0.00228823	0.0642358	0.103665	0.829811	Present	Absent	Present	Absent	Absent
0.00322176	0.0802099	0.103506	0.813062	Present	Absent	Present	Absent	Absent
0.00229862	0.0648988	0.101476	0.831326	Present	Absent	Present	Absent	Absent

0.00229712	0.064762	0.102454	0.830487	Present	Absent	Present	Absent	Absent
0.00163891	0.0523718	0.0989404	0.847049	Present	Absent	Present	Absent	Absent
5.4265e-4	0.101398	0.107227	0.790831	Present	Absent	Present	Absent	Absent
3.8716e-4	0.0817181	0.106627	0.811267	Present	Absent	Present	Absent	Absent
3.8691e-4	0.0815494	0.107735	0.810329	Present	Absent	Present	Absent	Absent
2.7605e-4	0.065717	0.105147	0.82886	Present	Absent	Present	Absent	Absent
3.8867e-4	0.082377	0.105217	0.812017	Present	Absent	Present	Absent	Absent
2.773e-4	0.0663837	0.102955	0.830383	Present	Absent	Present	Absent	Absent
2.7712e-4	0.0662467	0.103936	0.82954	Present	Absent	Present	Absent	Absent
1.9771e-4	0.0533818	0.100226	0.846194	Present	Absent	Present	Absent	Absent
3.98e-4	0.0829777	0.106573	0.810051	Present	Absent	Present	Absent	Absent
2.8396e-4	0.0668684	0.104238	0.82861	Present	Absent	Present	Absent	Absent
2.8378e-4	0.0667304	0.105229	0.827757	Present	Absent	Present	Absent	Absent
2.0246e-4	0.053772	0.10144	0.844585	Present	Absent	Present	Absent	Absent
2.8506e-4	0.0674074	0.103017	0.829291	Present	Absent	Present	Absent	Absent
2.0338e-4	0.0543174	0.0995102	0.845969	Present	Absent	Present	Absent	Absent
2.0325e-4	0.0542053	0.100388	0.845203	Present	Absent	Present	Absent	Absent
1.4501e-4	0.0436767	0.0958515	0.860327	Present	Absent	Present	Absent	Absent
6.2063e-4	0.023607	0.182194	0.793579	Present	Absent	Present	Absent	Absent
4.4279e-4	0.0190706	0.16674	0.813746	Present	Absent	Present	Absent	Absent
4.4251e-4	0.0190307	0.167707	0.81282	Present	Absent	Present	Absent	Absent
3.1571e-4	0.0153684	0.153208	0.831107	Present	Absent	Present	Absent	Absent
4.4452e-4	0.0192259	0.165843	0.814486	Present	Absent	Present	Absent	Absent
3.1715e-4	0.0155257	0.151546	0.832611	Present	Absent	Present	Absent	Absent
3.1694e-4	0.0154933	0.152411	0.831779	Present	Absent	Present	Absent	Absent
2.2613e-4	0.0125078	0.139052	0.848214	Present	Absent	Present	Absent	Absent
4.5519e-4	0.0193601	0.167639	0.812546	Present	Absent	Present	Absent	Absent
3.2476e-4	0.0156349	0.15318	0.83086	Present	Absent	Present	Absent	Absent
3.2455e-4	0.0156022	0.154054	0.830019	Present	Absent	Present	Absent	Absent
2.3156e-4	0.0125962	0.140546	0.846627	Present	Absent	Present	Absent	Absent
3.2603e-4	0.015762	0.152379	0.831533	Present	Absent	Present	Absent	Absent
2.3261e-4	0.012725	0.13905	0.847992	Present	Absent	Present	Absent	Absent
2.3246e-4	0.0126985	0.139833	0.847236	Present	Absent	Present	Absent	Absent
1.6585e-4	0.010249	0.127424	0.862161	Present	Absent	Present	Absent	Absent
5.491e-5	0.0196023	0.168845	0.811498	Present	Absent	Present	Absent	Absent
3.918e-5	0.0157931	0.154253	0.829915	Present	Absent	Present	Absent	Absent
3.915e-5	0.0157605	0.155131	0.829069	Present	Absent	Present	Absent	Absent
2.793e-5	0.0126974	0.141505	0.845769	Present	Absent	Present	Absent	Absent
3.933e-5	0.0159203	0.15345	0.830591	Present	Absent	Present	Absent	Absent
2.806e-5	0.0128261	0.140004	0.847142	Present	Absent	Present	Absent	Absent
2.804e-5	0.0127997	0.14079	0.846382	Present	Absent	Present	Absent	Absent
2.001e-5	0.0103117	0.128278	0.861391	Present	Absent	Present	Absent	Absent
4.028e-5	0.016037	0.155104	0.828819	Present	Absent	Present	Absent	Absent
2.874e-5	0.0129202	0.141507	0.845544	Present	Absent	Present	Absent	Absent
2.872e-5	0.0128935	0.142302	0.844776	Present	Absent	Present	Absent	Absent
2.049e-5	0.0103873	0.129651	0.859941	Present	Absent	Present	Absent	Absent
2.885e-5	0.0130242	0.140789	0.846157	Present	Absent	Present	Absent	Absent
2.058e-5	0.0104926	0.128299	0.861188	Present	Absent	Present	Absent	Absent
2.057e-5	0.010471	0.129011	0.860498	Present	Absent	Present	Absent	Absent
1.467e-5	0.00843541	0.117423	0.874127	Present	Absent	Present	Absent	Absent
0.00437215	0.0972228	0.107952	0.790453	Present	Absent	Present	Absent	Absent
0.00311938	0.0787071	0.107248	0.810926	Present	Absent	Present	Absent	Absent
0.00311735	0.0785407	0.108357	0.809985	Present	Absent	Present	Absent	Absent
0.00222412	0.0635448	0.105681	0.82855	Present	Absent	Present	Absent	Absent
0.0031315	0.0793531	0.105838	0.811677	Present	Absent	Present	Absent	Absent
0.00223422	0.0642005	0.103489	0.830076	Present	Absent	Present	Absent	Absent
0.00223276	0.0640652	0.104471	0.829231	Present	Absent	Present	Absent	Absent
0.001593	0.0518046	0.100687	0.845915	Present	Absent	Present	Absent	Absent
0.00320673	0.0798858	0.1072	0.809708	Present	Absent	Present	Absent	Absent
0.00228789	0.0646364	0.104776	0.828299	Present	Absent	Present	Absent	Absent
0.0022864	0.0645002	0.105768	0.827445	Present	Absent	Present	Absent	Absent
0.00163127	0.0521599	0.101905	0.844304	Present	Absent	Present	Absent	Absent
0.00229678	0.0651658	0.103556	0.828982	Present	Absent	Present	Absent	Absent
0.00163867	0.052697	0.0999741	0.84569	Present	Absent	Present	Absent	Absent
0.00163761	0.0525862	0.100854	0.844923	Present	Absent	Present	Absent	Absent

0.00116837	0.0425045	0.0962532	0.860074	Present	Absent	Present	Absent	Absent
3.8685e-4	0.0820424	0.108927	0.808644	Present	Absent	Present	Absent	Absent
2.7601e-4	0.0661141	0.10627	0.827339	Present	Absent	Present	Absent	Absent
2.7583e-4	0.0659776	0.107266	0.826481	Present	Absent	Present	Absent	Absent
1.9679e-4	0.053165	0.103204	0.843434	Present	Absent	Present	Absent	Absent
2.7708e-4	0.066647	0.10505	0.828026	Present	Absent	Present	Absent	Absent
1.9769e-4	0.0537042	0.10127	0.844828	Present	Absent	Present	Absent	Absent
1.9756e-4	0.0535934	0.102153	0.844056	Present	Absent	Present	Absent	Absent
1.4095e-4	0.0431833	0.0973839	0.859292	Present	Absent	Present	Absent	Absent
2.8373e-4	0.0671336	0.106356	0.826227	Present	Absent	Present	Absent	Absent
2.0243e-4	0.0540967	0.102496	0.843205	Present	Absent	Present	Absent	Absent
2.023e-4	0.0539851	0.103387	0.842425	Present	Absent	Present	Absent	Absent
1.4434e-4	0.0434992	0.0985361	0.85782	Present	Absent	Present	Absent	Absent
2.0322e-4	0.0545327	0.101436	0.843828	Present	Absent	Present	Absent	Absent
1.4499e-4	0.0439404	0.0968286	0.859086	Present	Absent	Present	Absent	Absent
1.449e-4	0.0438497	0.0976202	0.858385	Present	Absent	Present	Absent	Absent
1.0338e-4	0.0353307	0.0923448	0.872221	Present	Absent	Present	Absent	Absent
4.4244e-4	0.019148	0.169253	0.811157	Present	Absent	Present	Absent	Absent
3.1567e-4	0.0154628	0.154614	0.829607	Present	Absent	Present	Absent	Absent
3.1546e-4	0.0154306	0.155494	0.82876	Present	Absent	Present	Absent	Absent
2.2507e-4	0.0124571	0.141828	0.84549	Present	Absent	Present	Absent	Absent
3.1689e-4	0.0155885	0.15381	0.830284	Present	Absent	Present	Absent	Absent
2.2609e-4	0.0125844	0.140324	0.846866	Present	Absent	Present	Absent	Absent
2.2595e-4	0.0125582	0.141112	0.846104	Present	Absent	Present	Absent	Absent
1.612e-4	0.0101354	0.128564	0.86114	Present	Absent	Present	Absent	Absent
3.2451e-4	0.0156981	0.155468	0.828509	Present	Absent	Present	Absent	Absent
2.3152e-4	0.0126734	0.141831	0.845264	Present	Absent	Present	Absent	Absent
2.3137e-4	0.012647	0.142627	0.844495	Present	Absent	Present	Absent	Absent
1.6508e-4	0.0102074	0.12994	0.859688	Present	Absent	Present	Absent	Absent
2.3242e-4	0.0127763	0.141112	0.845879	Present	Absent	Present	Absent	Absent
1.6583e-4	0.0103116	0.128586	0.860937	Present	Absent	Present	Absent	Absent
1.6572e-4	0.0102902	0.129299	0.860245	Present	Absent	Present	Absent	Absent
1.1823e-4	0.00830315	0.117679	0.873899	Present	Absent	Present	Absent	Absent
3.915e-5	0.0158556	0.156555	0.827551	Present	Absent	Present	Absent	Absent
2.793e-5	0.012774	0.142799	0.844399	Present	Absent	Present	Absent	Absent
2.791e-5	0.0127477	0.143599	0.843625	Present	Absent	Present	Absent	Absent
1.991e-5	0.0102698	0.130807	0.858903	Present	Absent	Present	Absent	Absent
2.804e-5	0.0128768	0.142078	0.845017	Present	Absent	Present	Absent	Absent
2e-5	0.0103738	0.129447	0.86016	Present	Absent	Present	Absent	Absent
1.999e-5	0.0103525	0.130164	0.859464	Present	Absent	Present	Absent	Absent
1.426e-5	0.0083399	0.118451	0.873195	Present	Absent	Present	Absent	Absent
2.871e-5	0.0129713	0.143603	0.843397	Present	Absent	Present	Absent	Absent
2.049e-5	0.0104499	0.130833	0.858697	Present	Absent	Present	Absent	Absent
2.047e-5	0.0104284	0.131557	0.857994	Present	Absent	Present	Absent	Absent
1.461e-5	0.00840113	0.119716	0.871868	Present	Absent	Present	Absent	Absent
2.056e-5	0.0105341	0.130187	0.859258	Present	Absent	Present	Absent	Absent
1.467e-5	0.00848625	0.11849	0.873009	Present	Absent	Present	Absent	Absent
1.466e-5	0.00846876	0.119139	0.872377	Present	Absent	Present	Absent	Absent
1.046e-5	0.00682225	0.108321	0.884846	Present	Absent	Present	Absent	Absent
0.00606171	0.120775	0.104519	0.768644	Present	Absent	Present	Absent	Present
0.00432482	0.0978322	0.106596	0.791247	Present	Absent	Present	Absent	Present
0.004322	0.0976248	0.107844	0.790209	Present	Absent	Present	Absent	Present
0.0030836	0.0790262	0.107184	0.810706	Present	Absent	Present	Absent	Present
0.00434163	0.0986371	0.104944	0.792077	Present	Absent	Present	Absent	Present
0.0030976	0.0798434	0.104668	0.812391	Present	Absent	Present	Absent	Present
0.00309558	0.0796747	0.105772	0.811458	Present	Absent	Present	Absent	Present
0.00220859	0.0644561	0.103456	0.829879	Present	Absent	Present	Absent	Present
0.00444592	0.0992917	0.10636	0.789902	Present	Absent	Present	Absent	Present
0.00317201	0.0803802	0.106019	0.810429	Present	Absent	Present	Absent	Present
0.00316995	0.0802104	0.107133	0.809486	Present	Absent	Present	Absent	Present
0.00226164	0.0648942	0.104744	0.8281	Present	Absent	Present	Absent	Present
0.00318434	0.08104	0.104593	0.811182	Present	Absent	Present	Absent	Present
0.00227191	0.0655639	0.102534	0.82963	Present	Absent	Present	Absent	Present
0.00227044	0.0654258	0.103521	0.828783	Present	Absent	Present	Absent	Present
0.00161988	0.0529039	0.0999654	0.845511	Present	Absent	Present	Absent	Present

5.3635e-4	0.102373	0.108362	0.788728	Present	Absent	Present	Absent	Present
3.8266e-4	0.0825026	0.107745	0.80937	Present	Absent	Present	Absent	Present
3.8241e-4	0.0823323	0.108864	0.808421	Present	Absent	Present	Absent	Present
2.7284e-4	0.0663472	0.106241	0.827139	Present	Absent	Present	Absent	Present
3.8415e-4	0.0831678	0.106321	0.810127	Present	Absent	Present	Absent	Present
2.7408e-4	0.0670203	0.104028	0.828678	Present	Absent	Present	Absent	Present
2.739e-4	0.066882	0.105018	0.827826	Present	Absent	Present	Absent	Present
1.9542e-4	0.0538932	0.101264	0.844647	Present	Absent	Present	Absent	Present
3.9338e-4	0.0837744	0.107691	0.808141	Present	Absent	Present	Absent	Present
2.8066e-4	0.0675096	0.105324	0.826886	Present	Absent	Present	Absent	Present
2.8048e-4	0.0673703	0.106324	0.826025	Present	Absent	Present	Absent	Present
2.0011e-4	0.0542871	0.10249	0.843023	Present	Absent	Present	Absent	Present
2.8175e-4	0.0680538	0.104091	0.827574	Present	Absent	Present	Absent	Present
2.0102e-4	0.0548377	0.100541	0.84442	Present	Absent	Present	Absent	Present
2.0089e-4	0.0547246	0.101428	0.843646	Present	Absent	Present	Absent	Present
1.4333e-4	0.0440947	0.0968398	0.858922	Present	Absent	Present	Absent	Present
6.1342e-4	0.0238444	0.18404	0.791503	Present	Absent	Present	Absent	Present
4.3765e-4	0.0192611	0.168428	0.811873	Present	Absent	Present	Absent	Present
4.3737e-4	0.0192209	0.169404	0.810937	Present	Absent	Present	Absent	Present
3.1205e-4	0.0155211	0.154758	0.829409	Present	Absent	Present	Absent	Present
4.3935e-4	0.0194179	0.167522	0.812621	Present	Absent	Present	Absent	Present
3.1346e-4	0.0156799	0.153079	0.830928	Present	Absent	Present	Absent	Present
3.1326e-4	0.0156472	0.153953	0.830087	Present	Absent	Present	Absent	Present
2.235e-4	0.0126314	0.140457	0.846688	Present	Absent	Present	Absent	Present
4.4991e-4	0.0195537	0.169335	0.810661	Present	Absent	Present	Absent	Present
3.2099e-4	0.0157903	0.154729	0.82916	Present	Absent	Present	Absent	Present
3.2078e-4	0.0157573	0.155612	0.82831	Present	Absent	Present	Absent	Present
2.2887e-4	0.0127207	0.141966	0.845084	Present	Absent	Present	Absent	Present
3.2224e-4	0.0159186	0.153921	0.829838	Present	Absent	Present	Absent	Present
2.2991e-4	0.0128508	0.140456	0.846463	Present	Absent	Present	Absent	Present
2.29759e-4	0.012824	0.141246	0.8457	Present	Absent	Present	Absent	Present
1.6392e-4	0.0103498	0.128711	0.860775	Present	Absent	Present	Absent	Present
5.428e-5	0.0197896	0.170553	0.809603	Present	Absent	Present	Absent	Present
3.872e-5	0.0159439	0.155813	0.828205	Present	Absent	Present	Absent	Present
3.87e-5	0.0159111	0.1567	0.82735	Present	Absent	Present	Absent	Present
2.761e-5	0.0128186	0.142935	0.844218	Present	Absent	Present	Absent	Present
3.887e-5	0.0160723	0.155002	0.828887	Present	Absent	Present	Absent	Present
2.774e-5	0.0129485	0.141419	0.845605	Present	Absent	Present	Absent	Present
2.772e-5	0.0129219	0.142213	0.844837	Present	Absent	Present	Absent	Present
1.978e-5	0.0104101	0.129573	0.859997	Present	Absent	Present	Absent	Present
3.981e-5	0.0161902	0.156672	0.827098	Present	Absent	Present	Absent	Present
2.84e-5	0.0130435	0.142938	0.843991	Present	Absent	Present	Absent	Present
2.838e-5	0.0130166	0.14374	0.843215	Present	Absent	Present	Absent	Present
2.025e-5	0.0104865	0.130961	0.858533	Present	Absent	Present	Absent	Present
2.851e-5	0.0131485	0.142213	0.84461	Present	Absent	Present	Absent	Present
2.034e-5	0.0105927	0.129595	0.859792	Present	Absent	Present	Absent	Present
2.033e-5	0.0105709	0.130314	0.859095	Present	Absent	Present	Absent	Present
1.45e-5	0.00851585	0.118608	0.872861	Present	Absent	Present	Absent	Present
0.00432137	0.0982387	0.109094	0.788346	Present	Absent	Present	Absent	Present
0.00308314	0.0795207	0.108372	0.809024	Present	Absent	Present	Absent	Present
0.00308114	0.0793527	0.109492	0.808074	Present	Absent	Present	Absent	Present
0.00219828	0.0641955	0.10678	0.826826	Present	Absent	Present	Absent	Present
0.00309513	0.0801731	0.106949	0.809783	Present	Absent	Present	Absent	Present
0.00220826	0.0648576	0.104567	0.828368	Present	Absent	Present	Absent	Present
0.00220683	0.064721	0.105558	0.827514	Present	Absent	Present	Absent	Present
0.00157449	0.0523304	0.101729	0.844366	Present	Absent	Present	Absent	Present
0.00316948	0.0807125	0.108324	0.807794	Present	Absent	Present	Absent	Present
0.00226131	0.0652988	0.105867	0.826573	Present	Absent	Present	Absent	Present
0.00225984	0.0651612	0.106869	0.82571	Present	Absent	Present	Absent	Present
0.00161232	0.0526899	0.102959	0.842738	Present	Absent	Present	Absent	Present
0.0022701	0.0658334	0.104635	0.827262	Present	Absent	Present	Absent	Present
0.00161964	0.0532322	0.10101	0.844138	Present	Absent	Present	Absent	Present
0.00161858	0.0531204	0.101898	0.843363	Present	Absent	Present	Absent	Present
0.0011548	0.042933	0.0972454	0.858667	Present	Absent	Present	Absent	Present
3.8236e-4	0.08283	0.110068	0.806719	Present	Absent	Present	Absent	Present

2.728e-4	0.066748	0.107376	0.825603	Present	Absent	Present	Absent	Present
2.7262e-4	0.0666103	0.108381	0.824736	Present	Absent	Present	Absent	Present
1.9451e-4	0.0536742	0.104272	0.841859	Present	Absent	Present	Absent	Present
2.7386e-4	0.067286	0.106144	0.826296	Present	Absent	Present	Absent	Present
1.9539e-4	0.0542186	0.102319	0.843267	Present	Absent	Present	Absent	Present
1.9526e-4	0.0541068	0.10321	0.842488	Present	Absent	Present	Absent	Present
1.3931e-4	0.0435966	0.0983873	0.857877	Present	Absent	Present	Absent	Present
2.8044e-4	0.0677774	0.107463	0.82448	Present	Absent	Present	Absent	Present
2.0008e-4	0.0546149	0.103557	0.841628	Present	Absent	Present	Absent	Present
1.9995e-4	0.0545023	0.104457	0.84084	Present	Absent	Present	Absent	Present
1.4266e-4	0.0439155	0.0995513	0.85639	Present	Absent	Present	Absent	Present
2.0086e-4	0.0550551	0.102487	0.842257	Present	Absent	Present	Absent	Present
1.4331e-4	0.0443609	0.0978269	0.857669	Present	Absent	Present	Absent	Present
1.4321e-4	0.0442694	0.0986264	0.856961	Present	Absent	Present	Absent	Present
1.0218e-4	0.0356685	0.0932932	0.870936	Present	Absent	Present	Absent	Present
4.373e-4	0.0193392	0.170965	0.809258	Present	Absent	Present	Absent	Present
3.12e-4	0.0156164	0.156178	0.827894	Present	Absent	Present	Absent	Present
3.118e-4	0.0155838	0.157067	0.827038	Present	Absent	Present	Absent	Present
2.2246e-4	0.0125802	0.143261	0.843936	Present	Absent	Present	Absent	Present
3.1321e-4	0.0157433	0.155366	0.828578	Present	Absent	Present	Absent	Present
2.2347e-4	0.0127087	0.141742	0.845326	Present	Absent	Present	Absent	Present
2.2332e-4	0.0126823	0.142538	0.844556	Present	Absent	Present	Absent	Present
1.5933e-4	0.0102351	0.129862	0.859743	Present	Absent	Present	Absent	Present
3.2074e-4	0.0158541	0.15704	0.826785	Present	Absent	Present	Absent	Present
2.2883e-4	0.0127987	0.143264	0.843708	Present	Absent	Present	Absent	Present
2.2869e-4	0.012772	0.144068	0.842931	Present	Absent	Present	Absent	Present
1.6316e-4	0.0103079	0.131252	0.858277	Present	Absent	Present	Absent	Present
2.2972e-4	0.0129026	0.142539	0.844329	Present	Absent	Present	Absent	Present
1.639e-4	0.0104131	0.129885	0.859538	Present	Absent	Present	Absent	Present
1.6379e-4	0.0103914	0.130605	0.85884	Present	Absent	Present	Absent	Present
1.1686e-4	0.00838453	0.118867	0.872631	Present	Absent	Present	Absent	Present
3.869e-5	0.016007	0.158138	0.825817	Present	Absent	Present	Absent	Present
2.761e-5	0.0128959	0.144242	0.842834	Present	Absent	Present	Absent	Present
2.759e-5	0.0128693	0.14505	0.842053	Present	Absent	Present	Absent	Present
1.968e-5	0.0103678	0.132128	0.857484	Present	Absent	Present	Absent	Present
2.771e-5	0.0129998	0.143514	0.843459	Present	Absent	Present	Absent	Present
1.977e-5	0.0104728	0.130754	0.858753	Present	Absent	Present	Absent	Present
1.976e-5	0.0104512	0.131478	0.858051	Present	Absent	Present	Absent	Present
1.41e-5	0.00841943	0.119647	0.871919	Present	Absent	Present	Absent	Present
2.838e-5	0.0130951	0.145055	0.841822	Present	Absent	Present	Absent	Present
2.025e-5	0.0105497	0.132154	0.857276	Present	Absent	Present	Absent	Present
2.023e-5	0.0105279	0.132886	0.856566	Present	Absent	Present	Absent	Present
1.444e-5	0.00848125	0.120925	0.87058	Present	Absent	Present	Absent	Present
2.033e-5	0.0106346	0.131502	0.857843	Present	Absent	Present	Absent	Present
1.45e-5	0.00856718	0.119686	0.871732	Present	Absent	Present	Absent	Present
1.449e-5	0.00854953	0.120342	0.871094	Present	Absent	Present	Absent	Present
1.034e-5	0.00688728	0.109414	0.883688	Present	Absent	Present	Absent	Present
0.00434024	0.0975988	0.107454	0.790607	Present	Absent	Present	Absent	Present
0.00309661	0.079007	0.106832	0.811065	Present	Absent	Present	Absent	Present
0.0030946	0.0788401	0.10794	0.810125	Present	Absent	Present	Absent	Present
0.00220789	0.0637838	0.105332	0.828676	Present	Absent	Present	Absent	Present
0.00310865	0.0796554	0.105421	0.811815	Present	Absent	Present	Absent	Present
0.00221791	0.0644418	0.103139	0.830201	Present	Absent	Present	Absent	Present
0.00221647	0.0643061	0.104121	0.829357	Present	Absent	Present	Absent	Present
0.00158137	0.0519971	0.100393	0.846029	Present	Absent	Present	Absent	Present
0.00318332	0.0801907	0.106779	0.809847	Present	Absent	Present	Absent	Present
0.00227119	0.0648798	0.104424	0.828425	Present	Absent	Present	Absent	Present
0.00226971	0.0647431	0.105415	0.827572	Present	Absent	Present	Absent	Present
0.00161936	0.052354	0.101608	0.844419	Present	Absent	Present	Absent	Present
0.00228002	0.0654111	0.103202	0.829107	Present	Absent	Present	Absent	Present
0.00162671	0.052893	0.0996768	0.845803	Present	Absent	Present	Absent	Present
0.00162565	0.0527819	0.100556	0.845037	Present	Absent	Present	Absent	Present
0.00115985	0.042661	0.0960025	0.860177	Present	Absent	Present	Absent	Present
3.8403e-4	0.0823245	0.108507	0.808784	Present	Absent	Present	Absent	Present
2.7399e-4	0.066341	0.105919	0.827466	Present	Absent	Present	Absent	Present

2.7381e-4	0.0662041	0.106914	0.826608	Present	Absent	Present	Absent	Present
1.9536e-4	0.0533472	0.102909	0.843549	Present	Absent	Present	Absent	Present
2.7506e-4	0.0668757	0.104697	0.828152	Present	Absent	Present	Absent	Present
1.9624e-4	0.0538883	0.100974	0.844942	Present	Absent	Present	Absent	Present
1.9611e-4	0.0537771	0.101856	0.84417	Present	Absent	Present	Absent	Present
1.3992e-4	0.0433311	0.0971338	0.859395	Present	Absent	Present	Absent	Present
2.8166e-4	0.067364	0.106	0.826355	Present	Absent	Present	Absent	Present
2.0096e-4	0.0542822	0.102197	0.84332	Present	Absent	Present	Absent	Present
2.0083e-4	0.0541702	0.103088	0.842541	Present	Absent	Present	Absent	Present
1.4328e-4	0.0436481	0.0982839	0.857925	Present	Absent	Present	Absent	Present
2.0174e-4	0.0547196	0.101136	0.843943	Present	Absent	Present	Absent	Present
1.4393e-4	0.0440908	0.0965758	0.85919	Present	Absent	Present	Absent	Present
1.4384e-4	0.0439998	0.0973672	0.858489	Present	Absent	Present	Absent	Present
1.0262e-4	0.0354515	0.0921309	0.872315	Present	Absent	Present	Absent	Present
4.3921e-4	0.0192176	0.169048	0.811296	Present	Absent	Present	Absent	Present
3.1336e-4	0.0155186	0.154436	0.829732	Present	Absent	Present	Absent	Present
3.1316e-4	0.0154862	0.155315	0.828885	Present	Absent	Present	Absent	Present
2.2343e-4	0.0125017	0.141671	0.845604	Present	Absent	Present	Absent	Present
3.1458e-4	0.0156447	0.153632	0.830409	Present	Absent	Present	Absent	Present
2.2444e-4	0.0126295	0.140168	0.846978	Present	Absent	Present	Absent	Present
2.243e-4	0.0126032	0.140955	0.846217	Present	Absent	Present	Absent	Present
1.6003e-4	0.0101714	0.128427	0.861242	Present	Absent	Present	Absent	Present
3.2214e-4	0.0157548	0.155288	0.828635	Present	Absent	Present	Absent	Present
2.2983e-4	0.0127188	0.141674	0.845378	Present	Absent	Present	Absent	Present
2.2968e-4	0.0126923	0.142469	0.844609	Present	Absent	Present	Absent	Present
1.6387e-4	0.0102437	0.129802	0.859791	Present	Absent	Present	Absent	Present
2.3073e-4	0.0128221	0.140955	0.845992	Present	Absent	Present	Absent	Present
1.6462e-4	0.0103483	0.128448	0.861039	Present	Absent	Present	Absent	Present
1.6451e-4	0.0103268	0.129161	0.860348	Present	Absent	Present	Absent	Present
1.1737e-4	0.00833254	0.117558	0.873992	Present	Absent	Present	Absent	Present
3.886e-5	0.0159097	0.156374	0.827677	Present	Absent	Present	Absent	Present
2.773e-5	0.0128176	0.142641	0.844513	Present	Absent	Present	Absent	Present
2.771e-5	0.0127911	0.143441	0.84374	Present	Absent	Present	Absent	Present
1.977e-5	0.0103048	0.130669	0.859007	Present	Absent	Present	Absent	Present
2.783e-5	0.0129208	0.14192	0.845131	Present	Absent	Present	Absent	Present
1.986e-5	0.0104092	0.129309	0.860262	Present	Absent	Present	Absent	Present
1.985e-5	0.0103877	0.130025	0.859567	Present	Absent	Present	Absent	Present
1.416e-5	0.0083683	0.11833	0.873288	Present	Absent	Present	Absent	Present
2.85e-5	0.0130155	0.143444	0.843512	Present	Absent	Present	Absent	Present
2.034e-5	0.0104856	0.130693	0.858801	Present	Absent	Present	Absent	Present
2.032e-5	0.010464	0.131417	0.858099	Present	Absent	Present	Absent	Present
1.45e-5	0.00842974	0.119593	0.871962	Present	Absent	Present	Absent	Present
2.041e-5	0.01057	0.130048	0.859362	Present	Absent	Present	Absent	Present
1.457e-5	0.00851515	0.118368	0.873102	Present	Absent	Present	Absent	Present
1.456e-5	0.00849761	0.119017	0.872471	Present	Absent	Present	Absent	Present
1.039e-5	0.00684547	0.108213	0.884931	Present	Absent	Present	Absent	Present
0.00309414	0.0793335	0.109134	0.808438	Present	Absent	Present	Absent	Present
0.00220756	0.0641812	0.106457	0.827154	Present	Absent	Present	Absent	Present
0.00220612	0.064046	0.107454	0.826294	Present	Absent	Present	Absent	Present
0.00157399	0.0517867	0.103374	0.843265	Present	Absent	Present	Absent	Present
0.00221614	0.0647066	0.105237	0.827841	Present	Absent	Present	Absent	Present
0.00158114	0.0523197	0.101438	0.844661	Present	Absent	Present	Absent	Present
0.00158011	0.0522098	0.102322	0.843888	Present	Absent	Present	Absent	Present
0.00112735	0.0421961	0.097536	0.859141	Present	Absent	Present	Absent	Present
0.00226938	0.0651466	0.106544	0.82604	Present	Absent	Present	Absent	Present
0.00161912	0.052679	0.102665	0.843036	Present	Absent	Present	Absent	Present
0.00161807	0.0525683	0.103558	0.842256	Present	Absent	Present	Absent	Present
0.00115443	0.0424883	0.0986898	0.857667	Present	Absent	Present	Absent	Present
0.00162541	0.0531094	0.101605	0.84366	Present	Absent	Present	Absent	Present
0.00115968	0.0429248	0.0969809	0.858935	Present	Absent	Present	Absent	Present
0.00115892	0.0428348	0.0977732	0.858233	Present	Absent	Present	Absent	Present
8.2685e-4	0.0346065	0.0924828	0.872084	Present	Absent	Present	Absent	Present
2.7377e-4	0.0666041	0.108054	0.825068	Present	Absent	Present	Absent	Present
1.9533e-4	0.0536693	0.103976	0.842159	Present	Absent	Present	Absent	Present
1.952e-4	0.0535586	0.104872	0.841374	Present	Absent	Present	Absent	Present

1.3927e-4	0.0431551	0.0998338	0.856872	Present	Absent	Present	Absent	Present
1.9609e-4	0.0541018	0.102916	0.842786	Present	Absent	Present	Absent	Present
1.399e-4	0.0435927	0.0981213	0.858146	Present	Absent	Present	Absent	Present
1.3981e-4	0.0435028	0.0989169	0.857441	Present	Absent	Present	Absent	Present
9.975e-5	0.0350508	0.0934807	0.871369	Present	Absent	Present	Absent	Present
2.008e-4	0.0544973	0.10416	0.841142	Present	Absent	Present	Absent	Present
1.4326e-4	0.0439116	0.0992825	0.856663	Present	Absent	Present	Absent	Present
1.4317e-4	0.0438211	0.100086	0.85595	Present	Absent	Present	Absent	Present
1.0215e-4	0.0353075	0.0945668	0.870023	Present	Absent	Present	Absent	Present
1.4382e-4	0.0442654	0.0983587	0.857232	Present	Absent	Present	Absent	Present
1.0261e-4	0.0356654	0.0930513	0.871181	Present	Absent	Present	Absent	Present
1.0254e-4	0.0355919	0.0937656	0.87054	Present	Absent	Present	Absent	Present
7.316e-5	0.0286758	0.0880627	0.883188	Present	Absent	Present	Absent	Present
3.1311e-4	0.0155813	0.15674	0.827365	Present	Absent	Present	Absent	Present
2.2339e-4	0.0125783	0.142966	0.844232	Present	Absent	Present	Absent	Present
2.2325e-4	0.0125521	0.143767	0.843457	Present	Absent	Present	Absent	Present
1.5928e-4	0.0101302	0.130959	0.858752	Present	Absent	Present	Absent	Present
2.2426e-4	0.0126804	0.142245	0.844851	Present	Absent	Present	Absent	Present
1.6e-4	0.0102336	0.129597	0.860009	Present	Absent	Present	Absent	Present
1.599e-4	0.0102123	0.130315	0.859313	Present	Absent	Present	Absent	Present
1.1408e-4	0.00823991	0.118588	0.873058	Present	Absent	Present	Absent	Present
2.2965e-4	0.0127701	0.143772	0.843228	Present	Absent	Present	Absent	Present
1.6385e-4	0.0103064	0.130985	0.858545	Present	Absent	Present	Absent	Present
1.6374e-4	0.0102849	0.13171	0.857842	Present	Absent	Present	Absent	Present
1.1682e-4	0.00829874	0.119854	0.871731	Present	Absent	Present	Absent	Present
1.6448e-4	0.01039	0.130338	0.859107	Present	Absent	Present	Absent	Present
1.1735e-4	0.0083834	0.118627	0.872872	Present	Absent	Present	Absent	Present
1.1728e-4	0.00836598	0.119277	0.87224	Present	Absent	Present	Absent	Present
8.367e-5	0.0067489	0.108445	0.884722	Present	Absent	Present	Absent	Present
2.77e-5	0.0128683	0.144752	0.842352	Present	Absent	Present	Absent	Present
1.977e-5	0.0103669	0.131859	0.857755	Present	Absent	Present	Absent	Present
1.975e-5	0.0103455	0.132588	0.857047	Present	Absent	Present	Absent	Present
1.409e-5	0.0083343	0.120638	0.871014	Present	Absent	Present	Absent	Present
1.984e-5	0.0104504	0.13121	0.85832	Present	Absent	Present	Absent	Present
1.416e-5	0.00841874	0.119405	0.872162	Present	Absent	Present	Absent	Present
1.415e-5	0.00840139	0.120058	0.871526	Present	Absent	Present	Absent	Present
1.009e-5	0.00676794	0.109144	0.884078	Present	Absent	Present	Absent	Present
2.032e-5	0.010527	0.132615	0.856838	Present	Absent	Present	Absent	Present
1.45e-5	0.00848055	0.12068	0.870825	Present	Absent	Present	Absent	Present
1.449e-5	0.00846307	0.12134	0.870183	Present	Absent	Present	Absent	Present
1.034e-5	0.00681765	0.110306	0.882866	Present	Absent	Present	Absent	Present
1.455e-5	0.00854882	0.120098	0.871338	Present	Absent	Present	Absent	Present
1.038e-5	0.00688672	0.109194	0.883909	Present	Absent	Present	Absent	Present
1.038e-5	0.00687253	0.109786	0.883331	Present	Absent	Present	Absent	Present
7.4e-6	0.00553622	0.0997265	0.89473	Present	Absent	Present	Absent	Present
0.00607983	0.119211	0.102154	0.772555	Present	Absent	Present	Present	Absent
0.00433774	0.0965741	0.104311	0.794777	Present	Absent	Present	Present	Absent
0.00433492	0.0963692	0.10554	0.793756	Present	Absent	Present	Present	Absent
0.00309281	0.0780162	0.104985	0.813906	Present	Absent	Present	Present	Absent
0.0043546	0.0973689	0.102684	0.795592	Present	Absent	Present	Present	Absent
0.00310685	0.0788232	0.102507	0.815563	Present	Absent	Present	Present	Absent
0.00310483	0.0786566	0.103593	0.814646	Present	Absent	Present	Present	Absent
0.00221519	0.063637	0.101393	0.832755	Present	Absent	Present	Present	Absent
0.00445921	0.098014	0.104072	0.793455	Present	Absent	Present	Present	Absent
0.00318149	0.0793524	0.103832	0.813634	Present	Absent	Present	Present	Absent
0.00317942	0.0791846	0.104929	0.812707	Present	Absent	Present	Present	Absent
0.0022684	0.0640691	0.102656	0.831006	Present	Absent	Present	Present	Absent
0.00319385	0.0800039	0.102427	0.814375	Present	Absent	Present	Present	Absent
0.0022787	0.0647303	0.10048	0.83251	Present	Absent	Present	Present	Absent
0.00227722	0.0645939	0.101451	0.831677	Present	Absent	Present	Present	Absent
0.00162472	0.0522345	0.098018	0.848123	Present	Absent	Present	Present	Absent
5.3795e-4	0.101117	0.106045	0.7923	Present	Absent	Present	Present	Absent
3.8381e-4	0.0814912	0.105532	0.812593	Present	Absent	Present	Present	Absent
3.8356e-4	0.081323	0.106633	0.811661	Present	Absent	Present	Present	Absent
2.7365e-4	0.0655343	0.104131	0.830061	Present	Absent	Present	Present	Absent

3.853e-4	0.0821483	0.104129	0.813337	Present	Absent	Present	Present	Absent
2.749e-4	0.0661992	0.101952	0.831574	Present	Absent	Present	Present	Absent
2.7472e-4	0.0660626	0.102926	0.830737	Present	Absent	Present	Present	Absent
1.96e-4	0.0532333	0.0992968	0.847274	Present	Absent	Present	Present	Absent
3.9455e-4	0.0827473	0.105473	0.811385	Present	Absent	Present	Present	Absent
2.815e-4	0.0666825	0.103223	0.829813	Present	Absent	Present	Present	Absent
2.8132e-4	0.0665449	0.104207	0.828966	Present	Absent	Present	Present	Absent
2.0071e-4	0.0536224	0.1005	0.845677	Present	Absent	Present	Present	Absent
2.8259e-4	0.0672201	0.102008	0.830489	Present	Absent	Present	Present	Absent
2.0162e-4	0.0541663	0.0985816	0.84705	Present	Absent	Present	Present	Absent
2.0149e-4	0.0540545	0.0994542	0.84629	Present	Absent	Present	Present	Absent
1.4376e-4	0.0435551	0.0949937	0.861307	Present	Absent	Present	Present	Absent
6.1525e-4	0.0235445	0.180812	0.795028	Present	Absent	Present	Present	Absent
4.3896e-4	0.0190197	0.165487	0.815054	Present	Absent	Present	Present	Absent
4.3867e-4	0.01898	0.166447	0.814134	Present	Absent	Present	Present	Absent
3.1298e-4	0.0153272	0.152066	0.832293	Present	Absent	Present	Present	Absent
4.4066e-4	0.0191745	0.164596	0.815789	Present	Absent	Present	Present	Absent
3.144e-4	0.0154841	0.150415	0.833786	Present	Absent	Present	Present	Absent
3.1419e-4	0.0154517	0.151274	0.83296	Present	Absent	Present	Present	Absent
2.2417e-4	0.012474	0.138022	0.84928	Present	Absent	Present	Present	Absent
4.5125e-4	0.0193085	0.166378	0.813862	Present	Absent	Present	Present	Absent
3.2195e-4	0.0155929	0.152037	0.832048	Present	Absent	Present	Present	Absent
3.2174e-4	0.0155604	0.152905	0.831213	Present	Absent	Present	Present	Absent
2.2955e-4	0.0125622	0.139505	0.847704	Present	Absent	Present	Present	Absent
3.232e-4	0.0157197	0.151242	0.832715	Present	Absent	Present	Present	Absent
2.3059e-4	0.0126907	0.138019	0.849059	Present	Absent	Present	Present	Absent
2.3044e-4	0.0126642	0.138797	0.848309	Present	Absent	Present	Present	Absent
1.6441e-4	0.0102212	0.126485	0.863129	Present	Absent	Present	Present	Absent
5.444e-5	0.0195476	0.167576	0.812822	Present	Absent	Present	Present	Absent
3.884e-5	0.015749	0.153103	0.831109	Present	Absent	Present	Present	Absent
3.881e-5	0.0157166	0.153975	0.830269	Present	Absent	Present	Present	Absent
2.769e-5	0.012662	0.140458	0.846852	Present	Absent	Present	Present	Absent
3.899e-5	0.0158759	0.152305	0.83178	Present	Absent	Present	Present	Absent
2.782e-5	0.0127903	0.138966	0.848216	Present	Absent	Present	Present	Absent
2.78e-5	0.0127639	0.139748	0.847461	Present	Absent	Present	Present	Absent
1.983e-5	0.0102829	0.127333	0.862364	Present	Absent	Present	Present	Absent
3.993e-5	0.0159922	0.153947	0.830021	Present	Absent	Present	Present	Absent
2.849e-5	0.0128841	0.140459	0.846628	Present	Absent	Present	Present	Absent
2.847e-5	0.0128575	0.141249	0.845865	Present	Absent	Present	Present	Absent
2.031e-5	0.0103583	0.128697	0.860924	Present	Absent	Present	Present	Absent
2.86e-5	0.0129879	0.139746	0.847238	Present	Absent	Present	Present	Absent
2.04e-5	0.0104633	0.127354	0.862163	Present	Absent	Present	Present	Absent
2.039e-5	0.0104417	0.128061	0.861477	Present	Absent	Present	Present	Absent
1.455e-5	0.00841184	0.116563	0.875011	Present	Absent	Present	Present	Absent
0.00433428	0.0969758	0.106766	0.791924	Present	Absent	Present	Present	Absent
0.00309236	0.0785047	0.10615	0.812253	Present	Absent	Present	Present	Absent
0.00309034	0.0783387	0.107251	0.811319	Present	Absent	Present	Present	Absent
0.00220485	0.0633797	0.104662	0.829754	Present	Absent	Present	Present	Absent
0.00310438	0.0791489	0.104747	0.812999	Present	Absent	Present	Present	Absent
0.00221486	0.0640335	0.102482	0.831269	Present	Absent	Present	Present	Absent
0.00221342	0.0638986	0.103458	0.83043	Present	Absent	Present	Present	Absent
0.0015792	0.0516687	0.0997548	0.846997	Present	Absent	Present	Present	Absent
0.00317895	0.0796806	0.106097	0.811044	Present	Absent	Present	Present	Absent
0.00226807	0.0644685	0.103759	0.829505	Present	Absent	Present	Present	Absent
0.00226659	0.0643327	0.104744	0.828657	Present	Absent	Present	Present	Absent
0.00161713	0.0520232	0.100962	0.845397	Present	Absent	Present	Present	Absent
0.00227688	0.0649965	0.102544	0.830182	Present	Absent	Present	Present	Absent
0.00162448	0.0525588	0.0990431	0.846774	Present	Absent	Present	Present	Absent
0.00162342	0.0524483	0.0999167	0.846012	Present	Absent	Present	Present	Absent
0.00115825	0.0423922	0.0953932	0.861056	Present	Absent	Present	Present	Absent
3.835e-4	0.0818146	0.107814	0.809987	Present	Absent	Present	Present	Absent
2.7361e-4	0.0659303	0.105244	0.828552	Present	Absent	Present	Present	Absent
2.7344e-4	0.0657942	0.106233	0.827699	Present	Absent	Present	Present	Absent
1.9509e-4	0.0530171	0.102255	0.844533	Present	Absent	Present	Present	Absent
2.7468e-4	0.0664617	0.104031	0.829233	Present	Absent	Present	Present	Absent

1.9597e-4	0.0535548	0.100332	0.845917	Present	Absent	Present	Present	Absent
1.9585e-4	0.0534443	0.101209	0.845151	Present	Absent	Present	Present	Absent
1.3973e-4	0.043063	0.0965175	0.86028	Present	Absent	Present	Present	Absent
2.8128e-4	0.066947	0.105325	0.827447	Present	Absent	Present	Present	Absent
2.0068e-4	0.0539462	0.101547	0.844306	Present	Absent	Present	Present	Absent
2.0055e-4	0.0538349	0.102433	0.843531	Present	Absent	Present	Present	Absent
1.4309e-4	0.0433781	0.0976603	0.858818	Present	Absent	Present	Present	Absent
2.0146e-4	0.054381	0.100493	0.844924	Present	Absent	Present	Present	Absent
1.4373e-4	0.043818	0.0959629	0.860075	Present	Absent	Present	Present	Absent
1.4364e-4	0.0437276	0.0967493	0.859379	Present	Absent	Present	Present	Absent
1.0248e-4	0.0352322	0.091547	0.873118	Present	Absent	Present	Present	Absent
4.3861e-4	0.0190969	0.167982	0.812483	Present	Absent	Present	Present	Absent
3.1293e-4	0.0154213	0.153462	0.830804	Present	Absent	Present	Present	Absent
3.1273e-4	0.0153891	0.154336	0.829962	Present	Absent	Present	Present	Absent
2.2312e-4	0.0124235	0.140778	0.846575	Present	Absent	Present	Present	Absent
3.1415e-4	0.0155466	0.152663	0.831476	Present	Absent	Present	Present	Absent
2.2413e-4	0.0125504	0.139285	0.847941	Present	Absent	Present	Present	Absent
2.2399e-4	0.0125243	0.140067	0.847184	Present	Absent	Present	Present	Absent
1.5981e-4	0.0101079	0.127617	0.862115	Present	Absent	Present	Present	Absent
3.2169e-4	0.015656	0.154309	0.829713	Present	Absent	Present	Present	Absent
2.2952e-4	0.0126392	0.140781	0.846351	Present	Absent	Present	Present	Absent
2.2937e-4	0.0126129	0.141571	0.845586	Present	Absent	Present	Present	Absent
1.6365e-4	0.0101797	0.128984	0.860673	Present	Absent	Present	Present	Absent
2.3041e-4	0.0127418	0.140067	0.846961	Present	Absent	Present	Present	Absent
1.6439e-4	0.0102837	0.127639	0.861913	Present	Absent	Present	Present	Absent
1.6428e-4	0.0102623	0.128347	0.861226	Present	Absent	Present	Present	Absent
1.1721e-4	0.00828056	0.116817	0.874785	Present	Absent	Present	Present	Absent
3.881e-5	0.0158114	0.155388	0.828762	Present	Absent	Present	Present	Absent
2.769e-5	0.0127383	0.141742	0.845492	Present	Absent	Present	Present	Absent
2.767e-5	0.0127121	0.142537	0.844723	Present	Absent	Present	Present	Absent
1.974e-5	0.0102411	0.129845	0.859894	Present	Absent	Present	Present	Absent
2.78e-5	0.0128409	0.141026	0.846106	Present	Absent	Present	Present	Absent
1.983e-5	0.0103449	0.128494	0.861141	Present	Absent	Present	Present	Absent
1.982e-5	0.0103235	0.129206	0.860451	Present	Absent	Present	Present	Absent
1.414e-5	0.0083166	0.117584	0.874085	Present	Absent	Present	Present	Absent
2.846e-5	0.0129351	0.14254	0.844496	Present	Absent	Present	Present	Absent
2.031e-5	0.0104208	0.12987	0.859689	Present	Absent	Present	Present	Absent
2.029e-5	0.0103993	0.130589	0.858991	Present	Absent	Present	Present	Absent
1.448e-5	0.00837765	0.11884	0.872768	Present	Absent	Present	Present	Absent
2.039e-5	0.0105047	0.129228	0.860247	Present	Absent	Present	Present	Absent
1.455e-5	0.00846253	0.117622	0.873901	Present	Absent	Present	Present	Absent
1.454e-5	0.0084451	0.118267	0.873273	Present	Absent	Present	Present	Absent
1.037e-5	0.00680318	0.107532	0.885655	Present	Absent	Present	Present	Absent
0.00435321	0.0963434	0.105157	0.794147	Present	Absent	Present	Present	Absent
0.00310586	0.077997	0.104638	0.814259	Present	Absent	Present	Present	Absent
0.00310384	0.0778322	0.105729	0.813335	Present	Absent	Present	Present	Absent
0.00221448	0.0629729	0.10324	0.831573	Present	Absent	Present	Present	Absent
0.00311794	0.0786373	0.103248	0.814997	Present	Absent	Present	Present	Absent
0.00222454	0.0636227	0.101081	0.833072	Present	Absent	Present	Present	Absent
0.00222309	0.0634886	0.102046	0.832242	Present	Absent	Present	Present	Absent
0.0015861	0.0513394	0.0984426	0.848632	Present	Absent	Present	Present	Absent
0.00319284	0.079165	0.10458	0.813062	Present	Absent	Present	Present	Absent
0.00227798	0.0640545	0.102341	0.831326	Present	Absent	Present	Present	Absent
0.0022765	0.0639195	0.103317	0.830487	Present	Absent	Present	Present	Absent
0.0016242	0.0516913	0.0996356	0.847049	Present	Absent	Present	Present	Absent
0.00228683	0.0645792	0.101137	0.831996	Present	Absent	Present	Present	Absent
0.00163157	0.0522236	0.0977342	0.84841	Present	Absent	Present	Present	Absent
0.00163051	0.0521138	0.098599	0.847657	Present	Absent	Present	Present	Absent
0.00116331	0.0421234	0.0941725	0.862541	Present	Absent	Present	Present	Absent
3.8518e-4	0.0813152	0.106282	0.812017	Present	Absent	Present	Present	Absent
2.7481e-4	0.0655282	0.103813	0.830383	Present	Absent	Present	Present	Absent
2.7463e-4	0.065393	0.104793	0.82954	Present	Absent	Present	Present	Absent
1.9594e-4	0.052694	0.100916	0.846194	Present	Absent	Present	Present	Absent
2.7588e-4	0.0660565	0.10261	0.831057	Present	Absent	Present	Present	Absent
1.9683e-4	0.0532285	0.0990115	0.847563	Present	Absent	Present	Present	Absent

1.967e-4	0.0531186	0.0998796	0.846805	Present	Absent	Present	Present	Absent
1.4034e-4	0.0428008	0.0952864	0.861772	Present	Absent	Present	Present	Absent
2.825e-4	0.0665387	0.103888	0.829291	Present	Absent	Present	Present	Absent
2.0156e-4	0.0536175	0.100212	0.845969	Present	Absent	Present	Present	Absent
2.0143e-4	0.0535069	0.101089	0.845203	Present	Absent	Present	Present	Absent
1.4371e-4	0.043114	0.0964155	0.860327	Present	Absent	Present	Present	Absent
2.0234e-4	0.0540496	0.099167	0.846581	Present	Absent	Present	Present	Absent
1.4436e-4	0.0435512	0.0947342	0.86157	Present	Absent	Present	Present	Absent
1.4427e-4	0.0434613	0.0955126	0.860882	Present	Absent	Present	Present	Absent
1.0293e-4	0.0350178	0.0904055	0.874474	Present	Absent	Present	Present	Absent
4.4052e-4	0.0189767	0.166097	0.814486	Present	Absent	Present	Present	Absent
3.143e-4	0.0153247	0.15175	0.832611	Present	Absent	Present	Present	Absent
3.1409e-4	0.0152927	0.152615	0.831779	Present	Absent	Present	Present	Absent
2.241e-4	0.0123459	0.139216	0.848214	Present	Absent	Present	Present	Absent
3.1552e-4	0.0154492	0.150959	0.833276	Present	Absent	Present	Present	Absent
2.2511e-4	0.0124721	0.137737	0.849565	Present	Absent	Present	Present	Absent
2.2497e-4	0.0124461	0.138512	0.848817	Present	Absent	Present	Present	Absent
1.6051e-4	0.010045	0.126207	0.863588	Present	Absent	Present	Present	Absent
3.231e-4	0.0155578	0.152587	0.831533	Present	Absent	Present	Present	Absent
2.3052e-4	0.0125603	0.139217	0.847992	Present	Absent	Present	Present	Absent
2.3037e-4	0.0125341	0.139999	0.847236	Present	Absent	Present	Present	Absent
1.6436e-4	0.0101164	0.127558	0.862161	Present	Absent	Present	Present	Absent
2.3142e-4	0.0126623	0.13851	0.848596	Present	Absent	Present	Present	Absent
1.6511e-4	0.0102197	0.126227	0.863388	Present	Absent	Present	Present	Absent
1.65e-4	0.0101984	0.126928	0.862709	Present	Absent	Present	Present	Absent
1.1772e-4	0.0082292	0.115531	0.876122	Present	Absent	Present	Present	Absent
3.898e-5	0.0157152	0.153655	0.830591	Present	Absent	Present	Present	Absent
2.781e-5	0.0126609	0.140169	0.847142	Present	Absent	Present	Present	Absent
2.779e-5	0.0126348	0.140955	0.846382	Present	Absent	Present	Present	Absent
1.983e-5	0.0101789	0.128411	0.861391	Present	Absent	Present	Present	Absent
2.792e-5	0.0127629	0.13946	0.84775	Present	Absent	Present	Present	Absent
1.992e-5	0.010282	0.127073	0.862625	Present	Absent	Present	Present	Absent
1.991e-5	0.0102608	0.127778	0.861942	Present	Absent	Present	Present	Absent
1.42e-5	0.00826609	0.11629	0.87543	Present	Absent	Present	Present	Absent
2.859e-5	0.0128564	0.140958	0.846157	Present	Absent	Present	Present	Absent
2.04e-5	0.0103575	0.128434	0.861188	Present	Absent	Present	Present	Absent
2.038e-5	0.0103361	0.129146	0.860498	Present	Absent	Present	Present	Absent
1.454e-5	0.00832677	0.117532	0.874127	Present	Absent	Present	Present	Absent
2.048e-5	0.0104408	0.127799	0.86174	Present	Absent	Present	Present	Absent
1.461e-5	0.00841114	0.116327	0.875248	Present	Absent	Present	Present	Absent
1.46e-5	0.00839381	0.116964	0.874627	Present	Absent	Present	Present	Absent
1.042e-5	0.00676188	0.106351	0.886876	Present	Absent	Present	Present	Absent
0.00310339	0.0783196	0.1069	0.811677	Present	Absent	Present	Present	Absent
0.00221416	0.0633654	0.104344	0.830076	Present	Absent	Present	Present	Absent
0.00221272	0.0632319	0.105324	0.829231	Present	Absent	Present	Present	Absent
0.0015787	0.0511316	0.101374	0.845915	Present	Absent	Present	Present	Absent
0.00222276	0.0638843	0.103141	0.830751	Present	Absent	Present	Present	Absent
0.00158586	0.051658	0.0994689	0.847287	Present	Absent	Present	Present	Absent
0.00158483	0.0515495	0.100338	0.846528	Present	Absent	Present	Present	Absent
0.00113072	0.0416646	0.0956825	0.861522	Present	Absent	Present	Present	Absent
0.00227616	0.0643181	0.104424	0.828982	Present	Absent	Present	Present	Absent
0.00162396	0.0520123	0.100673	0.84569	Present	Absent	Present	Present	Absent
0.0016229	0.051903	0.101551	0.844923	Present	Absent	Present	Present	Absent
0.00115788	0.0419529	0.0968153	0.860074	Present	Absent	Present	Present	Absent
0.00163027	0.0524374	0.099629	0.846303	Present	Absent	Present	Present	Absent
0.00116314	0.042384	0.0951332	0.86132	Present	Absent	Present	Present	Absent
0.00116238	0.0422951	0.0959126	0.86063	Present	Absent	Present	Present	Absent
8.2932e-4	0.0341722	0.090752	0.874246	Present	Absent	Present	Present	Absent
2.7459e-4	0.0657881	0.105912	0.828026	Present	Absent	Present	Present	Absent
1.9591e-4	0.0530122	0.101964	0.844828	Present	Absent	Present	Present	Absent
1.9578e-4	0.0529029	0.102845	0.844056	Present	Absent	Present	Present	Absent
1.3968e-4	0.042627	0.0979416	0.859292	Present	Absent	Present	Present	Absent
1.9667e-4	0.0534394	0.10092	0.845444	Present	Absent	Present	Present	Absent
1.4032e-4	0.0430592	0.096256	0.860545	Present	Absent	Present	Present	Absent
1.4023e-4	0.0429704	0.0970385	0.859851	Present	Absent	Present	Present	Absent

1.0005e-4	0.0346221	0.0917343	0.873544	Present	Absent	Present	Present	Absent
2.014e-4	0.05383	0.102141	0.843828	Present	Absent	Present	Present	Absent
1.4369e-4	0.0433742	0.097396	0.859086	Present	Absent	Present	Present	Absent
1.436e-4	0.0432848	0.0981864	0.858385	Present	Absent	Present	Present	Absent
1.0245e-4	0.0348756	0.0928009	0.872221	Present	Absent	Present	Present	Absent
1.4425e-4	0.0437237	0.0964861	0.859646	Present	Absent	Present	Present	Absent
1.0292e-4	0.0352292	0.0913092	0.873359	Present	Absent	Present	Present	Absent
1.0285e-4	0.0351565	0.0920118	0.872729	Present	Absent	Present	Present	Absent
7.338e-5	0.0283252	0.0864381	0.885163	Present	Absent	Present	Present	Absent
3.1405e-4	0.0153866	0.154015	0.830284	Present	Absent	Present	Present	Absent
2.2406e-4	0.0124216	0.140489	0.846866	Present	Absent	Present	Present	Absent
2.2392e-4	0.0123957	0.141276	0.846104	Present	Absent	Present	Present	Absent
1.5976e-4	0.0100043	0.128696	0.86114	Present	Absent	Present	Present	Absent
2.2493e-4	0.0125224	0.139779	0.847474	Present	Absent	Present	Present	Absent
1.6048e-4	0.0101065	0.127357	0.862376	Present	Absent	Present	Present	Absent
1.6038e-4	0.0100854	0.128063	0.861691	Present	Absent	Present	Present	Absent
1.1442e-4	0.00813775	0.116543	0.875204	Present	Absent	Present	Present	Absent
2.3034e-4	0.0126109	0.14128	0.845879	Present	Absent	Present	Present	Absent
1.6434e-4	0.0101783	0.128721	0.860937	Present	Absent	Present	Present	Absent
1.6423e-4	0.0101571	0.129434	0.860245	Present	Absent	Present	Present	Absent
1.1717e-4	0.00819582	0.117788	0.873899	Present	Absent	Present	Present	Absent
1.6498e-4	0.0102608	0.128085	0.861489	Present	Absent	Present	Present	Absent
1.177e-4	0.00827943	0.116581	0.875022	Present	Absent	Present	Present	Absent
1.1763e-4	0.00826226	0.11722	0.8744	Present	Absent	Present	Present	Absent
8.392e-5	0.00666537	0.106579	0.886672	Present	Absent	Present	Present	Absent
2.779e-5	0.012711	0.142244	0.845017	Present	Absent	Present	Present	Absent
1.983e-5	0.0102402	0.12958	0.86016	Present	Absent	Present	Present	Absent
1.981e-5	0.0102191	0.130297	0.859464	Present	Absent	Present	Present	Absent
1.414e-5	0.0082325	0.118559	0.873195	Present	Absent	Present	Present	Absent
1.99e-5	0.0103227	0.128942	0.860715	Present	Absent	Present	Present	Absent
1.42e-5	0.00831591	0.117347	0.874323	Present	Absent	Present	Present	Absent
1.419e-5	0.00829878	0.117989	0.873698	Present	Absent	Present	Present	Absent
1.012e-5	0.00668529	0.107267	0.886038	Present	Absent	Present	Present	Absent
2.038e-5	0.0103984	0.130323	0.859258	Present	Absent	Present	Present	Absent
1.454e-5	0.00837696	0.118599	0.873009	Present	Absent	Present	Present	Absent
1.453e-5	0.0083597	0.119248	0.872377	Present	Absent	Present	Present	Absent
1.037e-5	0.0067344	0.108409	0.884846	Present	Absent	Present	Present	Absent
1.46e-5	0.0084444	0.118027	0.873514	Present	Absent	Present	Present	Absent
1.041e-5	0.00680262	0.107316	0.885871	Present	Absent	Present	Present	Absent
1.041e-5	0.00678861	0.107897	0.885304	Present	Absent	Present	Present	Absent
7.43e-6	0.00546863	0.0980142	0.89651	Present	Absent	Present	Present	Absent
0.00430265	0.0973506	0.10627	0.792077	Present	Absent	Present	Present	Present
0.00306979	0.0788036	0.105736	0.812391	Present	Absent	Present	Present	Present
0.00306779	0.0786371	0.106837	0.811458	Present	Absent	Present	Present	Present
0.00218876	0.0636179	0.104314	0.829879	Present	Absent	Present	Present	Present
0.00308172	0.0794502	0.104332	0.813137	Present	Absent	Present	Present	Present
0.0021987	0.0642741	0.102134	0.831393	Present	Absent	Present	Present	Present
0.00219727	0.0641387	0.103109	0.830555	Present	Absent	Present	Present	Present
0.00156767	0.0518606	0.099462	0.84711	Present	Absent	Present	Present	Present
0.00315575	0.0799845	0.105678	0.811182	Present	Absent	Present	Present	Present
0.00225151	0.0647112	0.103407	0.82963	Present	Absent	Present	Present	Present
0.00225005	0.0645748	0.104392	0.828783	Present	Absent	Present	Present	Present
0.00160533	0.0522167	0.100667	0.845511	Present	Absent	Present	Present	Present
0.00226027	0.065241	0.102192	0.830307	Present	Absent	Present	Present	Present
0.00161262	0.0527542	0.098747	0.846886	Present	Absent	Present	Present	Present
0.00161157	0.0526434	0.0996204	0.846125	Present	Absent	Present	Present	Present
0.0011498	0.0425481	0.0951437	0.861158	Present	Absent	Present	Present	Present
3.807e-4	0.0820959	0.107396	0.810127	Present	Absent	Present	Present	Present
2.7162e-4	0.0661566	0.104894	0.828678	Present	Absent	Present	Present	Present
2.7144e-4	0.06602	0.105883	0.827826	Present	Absent	Present	Present	Present
1.9366e-4	0.0531987	0.10196	0.844647	Present	Absent	Present	Present	Present
2.7267e-4	0.0666898	0.103679	0.829359	Present	Absent	Present	Present	Present
1.9454e-4	0.0537383	0.100037	0.84603	Present	Absent	Present	Present	Present
1.9442e-4	0.0536274	0.100914	0.845264	Present	Absent	Present	Present	Present
1.3871e-4	0.0432104	0.0962685	0.860382	Present	Absent	Present	Present	Present

2.7922e-4	0.0671768	0.10497	0.827574	Present	Absent	Present	Present	Present
1.9922e-4	0.0541311	0.10125	0.84442	Present	Absent	Present	Present	Present
1.9909e-4	0.0540194	0.102135	0.843646	Present	Absent	Present	Present	Present
1.4204e-4	0.0435266	0.0974092	0.858922	Present	Absent	Present	Present	Present
1.9999e-4	0.0545673	0.100194	0.845038	Present	Absent	Present	Present	Present
1.4269e-4	0.043968	0.0957112	0.860178	Present	Absent	Present	Present	Present
1.4259e-4	0.0438773	0.0964974	0.859483	Present	Absent	Present	Present	Present
1.0174e-4	0.0353527	0.0913341	0.873211	Present	Absent	Present	Present	Present
4.3541e-4	0.0191662	0.167778	0.812621	Present	Absent	Present	Present	Present
3.1065e-4	0.0154769	0.153285	0.830928	Present	Absent	Present	Present	Present
3.1045e-4	0.0154446	0.154158	0.830087	Present	Absent	Present	Present	Present
2.2149e-4	0.0124679	0.140623	0.846688	Present	Absent	Present	Present	Present
3.1186e-4	0.0156027	0.152486	0.8316	Present	Absent	Present	Present	Present
2.225e-4	0.0125954	0.13913	0.848052	Present	Absent	Present	Present	Present
2.2235e-4	0.0125691	0.139912	0.847297	Present	Absent	Present	Present	Present
1.5864e-4	0.0101439	0.127482	0.862216	Present	Absent	Present	Present	Present
3.1935e-4	0.0157125	0.15413	0.829838	Present	Absent	Present	Present	Present
2.2784e-4	0.0126845	0.140624	0.846463	Present	Absent	Present	Present	Present
2.2769e-4	0.0126581	0.141414	0.8457	Present	Absent	Present	Present	Present
1.6245e-4	0.010216	0.128846	0.860775	Present	Absent	Present	Present	Present
2.2873e-4	0.0127875	0.13991	0.847073	Present	Absent	Present	Present	Present
1.6319e-4	0.0103203	0.127502	0.862014	Present	Absent	Present	Present	Present
1.6308e-4	0.0102988	0.12821	0.861328	Present	Absent	Present	Present	Present
1.1635e-4	0.00830986	0.116697	0.874877	Present	Absent	Present	Present	Present
3.853e-5	0.0158653	0.155209	0.828887	Present	Absent	Present	Present	Present
2.749e-5	0.0127818	0.141586	0.845605	Present	Absent	Present	Present	Present
2.747e-5	0.0127554	0.14238	0.844837	Present	Absent	Present	Present	Present
1.96e-5	0.010276	0.129708	0.859997	Present	Absent	Present	Present	Present
2.759e-5	0.0128847	0.140869	0.846219	Present	Absent	Present	Present	Present
1.969e-5	0.0103801	0.128357	0.861243	Present	Absent	Present	Present	Present
1.967e-5	0.0103587	0.129068	0.860553	Present	Absent	Present	Present	Present
1.404e-5	0.00834492	0.117464	0.874177	Present	Absent	Present	Present	Present
2.826e-5	0.0129792	0.142382	0.84461	Present	Absent	Present	Present	Present
2.016e-5	0.0104563	0.129731	0.859792	Present	Absent	Present	Present	Present
2.015e-5	0.0104347	0.13045	0.859095	Present	Absent	Present	Present	Present
1.437e-5	0.00840619	0.118718	0.872861	Present	Absent	Present	Present	Present
2.024e-5	0.0105405	0.12909	0.860349	Present	Absent	Present	Present	Present
1.444e-5	0.00849136	0.117501	0.873993	Present	Absent	Present	Present	Present
1.443e-5	0.00847386	0.118145	0.873366	Present	Absent	Present	Present	Present
1.03e-5	0.00682633	0.107425	0.885739	Present	Absent	Present	Present	Present
0.00306734	0.0791292	0.10802	0.809783	Present	Absent	Present	Present	Present
0.00218844	0.0640142	0.10543	0.828367	Present	Absent	Present	Present	Present
0.00218701	0.0638793	0.10642	0.827514	Present	Absent	Present	Present	Present
0.00156036	0.0516507	0.102423	0.844366	Present	Absent	Present	Present	Present
0.00219694	0.0645382	0.104215	0.82905	Present	Absent	Present	Present	Present
0.00156744	0.0521822	0.100499	0.845752	Present	Absent	Present	Present	Present
0.00156642	0.0520727	0.101377	0.844984	Present	Absent	Present	Present	Present
0.00111759	0.0420843	0.0966685	0.860129	Present	Absent	Present	Present	Present
0.00224972	0.0649772	0.105511	0.827262	Present	Absent	Present	Present	Present
0.00160509	0.0525407	0.101716	0.844138	Present	Absent	Present	Present	Present
0.00160405	0.0524304	0.102602	0.843363	Present	Absent	Present	Present	Present
0.00114443	0.0423759	0.0978129	0.858667	Present	Absent	Present	Present	Present
0.00161133	0.05297	0.100661	0.844758	Present	Absent	Present	Present	Present
0.00114963	0.0428112	0.0961141	0.859925	Present	Absent	Present	Present	Present
0.00114888	0.0427215	0.0969013	0.859228	Present	Absent	Present	Present	Present
8.1969e-4	0.0345143	0.0916841	0.872982	Present	Absent	Present	Present	Present
2.714e-4	0.0664189	0.107014	0.826296	Present	Absent	Present	Present	Present
1.9363e-4	0.05352	0.103019	0.843267	Present	Absent	Present	Present	Present
1.9351e-4	0.0534096	0.103909	0.842488	Present	Absent	Present	Present	Present
1.3806e-4	0.0430349	0.0989503	0.857877	Present	Absent	Present	Present	Present
1.9439e-4	0.0539513	0.101964	0.84389	Present	Absent	Present	Present	Present
1.3869e-4	0.0434712	0.097248	0.859142	Present	Absent	Present	Present	Present
1.386e-4	0.0433816	0.0980383	0.858441	Present	Absent	Present	Present	Present
9.888e-5	0.0349531	0.0926761	0.872272	Present	Absent	Present	Present	Present
1.9906e-4	0.0543457	0.103198	0.842257	Present	Absent	Present	Present	Present

1.4202e-4	0.0437893	0.0983997	0.857669	Present	Absent	Present	Present	Present
1.4193e-4	0.043699	0.099198	0.856961	Present	Absent	Present	Present	Present
1.0126e-4	0.035209	0.0937535	0.870936	Present	Absent	Present	Present	Present
1.4257e-4	0.0441421	0.0974808	0.858235	Present	Absent	Present	Present	Present
1.0172e-4	0.035566	0.0922471	0.872085	Present	Absent	Present	Present	Present
1.0165e-4	0.0354927	0.0929567	0.871449	Present	Absent	Present	Present	Present
7.253e-5	0.0285958	0.0873231	0.884009	Present	Absent	Present	Present	Present
3.104e-4	0.0155394	0.155573	0.828578	Present	Absent	Present	Present	Present
2.2146e-4	0.0125443	0.141909	0.845326	Present	Absent	Present	Present	Present
2.2132e-4	0.0125182	0.142704	0.844556	Present	Absent	Present	Present	Present
1.579e-4	0.0101027	0.129996	0.859743	Present	Absent	Present	Present	Present
2.2232e-4	0.0126461	0.141191	0.84594	Present	Absent	Present	Present	Present
1.5862e-4	0.0102059	0.128643	0.860992	Present	Absent	Present	Present	Present
1.5851e-4	0.0101846	0.129356	0.860301	Present	Absent	Present	Present	Present
1.1309e-4	0.00821747	0.11772	0.873949	Present	Absent	Present	Present	Present
2.2766e-4	0.0127356	0.142708	0.844329	Present	Absent	Present	Present	Present
1.6243e-4	0.0102784	0.130021	0.859538	Present	Absent	Present	Present	Present
1.6232e-4	0.0102571	0.130741	0.85884	Present	Absent	Present	Present	Present
1.1581e-4	0.00827615	0.118977	0.872631	Present	Absent	Present	Present	Present
1.6306e-4	0.0103618	0.129379	0.860096	Present	Absent	Present	Present	Present
1.1634e-4	0.00836057	0.117758	0.873765	Present	Absent	Present	Present	Present
1.1626e-4	0.0083432	0.118403	0.873137	Present	Absent	Present	Present	Present
8.295e-5	0.00673046	0.107655	0.885532	Present	Absent	Present	Present	Present
2.746e-5	0.0128323	0.143681	0.843459	Present	Absent	Present	Present	Present
1.959e-5	0.0103379	0.130889	0.858753	Present	Absent	Present	Present	Present
1.958e-5	0.0103166	0.131613	0.858051	Present	Absent	Present	Present	Present
1.397e-5	0.00831101	0.119756	0.871919	Present	Absent	Present	Present	Present
1.967e-5	0.0104212	0.130245	0.859314	Present	Absent	Present	Present	Present
1.403e-5	0.00839521	0.118531	0.87306	Present	Absent	Present	Present	Present
1.403e-5	0.00837791	0.11918	0.872428	Present	Absent	Present	Present	Present
1.001e-5	0.00674902	0.108349	0.884892	Present	Absent	Present	Present	Present
2.014e-5	0.0104976	0.131639	0.857843	Present	Absent	Present	Present	Present
1.437e-5	0.00845685	0.119797	0.871732	Present	Absent	Present	Present	Present
1.436e-5	0.00843943	0.120452	0.871094	Present	Absent	Present	Present	Present
1.025e-5	0.00679859	0.109503	0.883688	Present	Absent	Present	Present	Present
1.443e-5	0.00852493	0.119219	0.872242	Present	Absent	Present	Present	Present
1.029e-5	0.00686747	0.108398	0.884724	Present	Absent	Present	Present	Present
1.029e-5	0.00685332	0.108986	0.88415	Present	Absent	Present	Present	Present
7.34e-6	0.00552074	0.0990029	0.895469	Present	Absent	Present	Present	Present
0.00308074	0.078618	0.106486	0.811815	Present	Absent	Present	Present	Present
0.002198	0.0636037	0.103997	0.830201	Present	Absent	Present	Present	Present
0.00219657	0.0634697	0.104977	0.829357	Present	Absent	Present	Present	Present
0.00156717	0.0513217	0.101082	0.846029	Present	Absent	Present	Present	Present
0.00220654	0.0641245	0.102793	0.830876	Present	Absent	Present	Present	Present
0.00157429	0.0518499	0.0991763	0.847399	Present	Absent	Present	Present	Present
0.00157326	0.051741	0.100045	0.846641	Present	Absent	Present	Present	Present
0.00112247	0.0418179	0.0954358	0.861624	Present	Absent	Present	Present	Present
0.00225955	0.0645603	0.104073	0.829107	Present	Absent	Present	Present	Present
0.00161211	0.0522059	0.100378	0.845803	Present	Absent	Present	Present	Present
0.00161106	0.0520962	0.101256	0.845037	Present	Absent	Present	Present	Present
0.00114943	0.0421074	0.0965665	0.860177	Present	Absent	Present	Present	Present
0.00161837	0.0526325	0.099333	0.846416	Present	Absent	Present	Present	Present
0.00115465	0.04254	0.0948839	0.861422	Present	Absent	Present	Present	Present
0.0011539	0.0424508	0.095663	0.860732	Present	Absent	Present	Present	Present
8.2327e-4	0.0342968	0.0905411	0.874339	Present	Absent	Present	Present	Present
2.7259e-4	0.0660139	0.105562	0.828152	Present	Absent	Present	Present	Present
1.9448e-4	0.0531939	0.10167	0.844942	Present	Absent	Present	Present	Present
1.9435e-4	0.0530841	0.102551	0.84417	Present	Absent	Present	Present	Present
1.3866e-4	0.0427728	0.0976933	0.859395	Present	Absent	Present	Present	Present
1.9524e-4	0.0536226	0.100625	0.845558	Present	Absent	Present	Present	Present
1.3929e-4	0.0432066	0.0960073	0.860647	Present	Absent	Present	Present	Present
1.392e-4	0.0431175	0.0967895	0.859954	Present	Absent	Present	Present	Present
9.932e-5	0.0347404	0.0915238	0.873636	Present	Absent	Present	Present	Present
1.9993e-4	0.0540145	0.101843	0.843943	Present	Absent	Present	Present	Present
1.4264e-4	0.0435227	0.0971451	0.85919	Present	Absent	Present	Present	Present

1.4255e-4	0.0434329	0.0979353	0.858489	Present	Absent	Present	Present	Present
1.017e-4	0.0349948	0.0925886	0.872315	Present	Absent	Present	Present	Present
1.4319e-4	0.0438734	0.0962344	0.859749	Present	Absent	Present	Present	Present
1.0216e-4	0.0353496	0.0910966	0.873452	Present	Absent	Present	Present	Present
1.021e-4	0.0352767	0.0917989	0.872822	Present	Absent	Present	Present	Present
7.284e-5	0.0284219	0.0862576	0.885248	Present	Absent	Present	Present	Present
3.1176e-4	0.0154421	0.153837	0.830409	Present	Absent	Present	Present	Present
2.2243e-4	0.012466	0.140334	0.846978	Present	Absent	Present	Present	Present
2.2228e-4	0.0124401	0.141121	0.846217	Present	Absent	Present	Present	Present
1.5859e-4	0.0100399	0.12856	0.861242	Present	Absent	Present	Present	Present
2.2329e-4	0.0125672	0.139623	0.847586	Present	Absent	Present	Present	Present
1.5931e-4	0.0101424	0.127221	0.862477	Present	Absent	Present	Present	Present
1.5921e-4	0.0101213	0.127926	0.861793	Present	Absent	Present	Present	Present
1.1359e-4	0.00816654	0.116424	0.875296	Present	Absent	Present	Present	Present
2.2866e-4	0.0126561	0.141123	0.845992	Present	Absent	Present	Present	Present
1.6314e-4	0.0102145	0.128584	0.861039	Present	Absent	Present	Present	Present
1.6303e-4	0.0101933	0.129296	0.860348	Present	Absent	Present	Present	Present
1.1632e-4	0.00822483	0.117667	0.873992	Present	Absent	Present	Present	Present
1.6377e-4	0.0102973	0.127948	0.861591	Present	Absent	Present	Present	Present
1.1685e-4	0.00830874	0.116461	0.875114	Present	Absent	Present	Present	Present
1.1677e-4	0.00829147	0.117099	0.874493	Present	Absent	Present	Present	Present
8.331e-5	0.00668885	0.106473	0.886755	Present	Absent	Present	Present	Present
2.758e-5	0.0127543	0.142087	0.845131	Present	Absent	Present	Present	Present
1.968e-5	0.0102751	0.129443	0.860262	Present	Absent	Present	Present	Present
1.967e-5	0.010254	0.130159	0.859567	Present	Absent	Present	Present	Present
1.403e-5	0.00826054	0.118438	0.873288	Present	Absent	Present	Present	Present
1.976e-5	0.0103579	0.128805	0.860817	Present	Absent	Present	Present	Present
1.41e-5	0.00834423	0.117226	0.874416	Present	Absent	Present	Present	Present
1.409e-5	0.00832704	0.117868	0.873791	Present	Absent	Present	Present	Present
1.005e-5	0.00670805	0.10716	0.886122	Present	Absent	Present	Present	Present
2.023e-5	0.0104339	0.130184	0.859362	Present	Absent	Present	Present	Present
1.443e-5	0.00840549	0.118478	0.873102	Present	Absent	Present	Present	Present
1.443e-5	0.00838817	0.119126	0.872471	Present	Absent	Present	Present	Present
1.029e-5	0.00675732	0.108301	0.884931	Present	Absent	Present	Present	Present
1.449e-5	0.00847316	0.117906	0.873607	Present	Absent	Present	Present	Present
1.034e-5	0.00682578	0.107209	0.885955	Present	Absent	Present	Present	Present
1.033e-5	0.00681171	0.10779	0.885388	Present	Absent	Present	Present	Present
7.37e-6	0.00548723	0.0979196	0.896586	Present	Absent	Present	Present	Present
0.00219624	0.0638651	0.106098	0.827841	Present	Absent	Present	Present	Present
0.00156694	0.0516401	0.102132	0.844661	Present	Absent	Present	Present	Present
0.00156592	0.0515317	0.103014	0.843888	Present	Absent	Present	Present	Present
0.00111723	0.0416486	0.0980936	0.859141	Present	Absent	Present	Present	Present
0.00157303	0.052062	0.101087	0.845278	Present	Absent	Present	Present	Present
0.0011223	0.0420764	0.0964067	0.860395	Present	Absent	Present	Present	Present
0.00112157	0.0419883	0.09719	0.8597	Present	Absent	Present	Present	Present
8.002e-4	0.0339212	0.0918709	0.873408	Present	Absent	Present	Present	Present
0.00161082	0.0524195	0.10231	0.84366	Present	Absent	Present	Present	Present
0.00114926	0.0423678	0.0975484	0.858935	Present	Absent	Present	Present	Present
0.00114852	0.042279	0.0983395	0.858233	Present	Absent	Present	Present	Present
8.1943e-4	0.0341579	0.0929389	0.872084	Present	Absent	Present	Present	Present
0.00115373	0.0427133	0.0966378	0.859495	Present	Absent	Present	Present	Present
8.2315e-4	0.0345082	0.0914461	0.873223	Present	Absent	Present	Present	Present
8.2261e-4	0.034436	0.0921493	0.872592	Present	Absent	Present	Present	Present
5.869e-4	0.0278111	0.0865621	0.88504	Present	Absent	Present	Present	Present
1.9433e-4	0.0534047	0.103615	0.842786	Present	Absent	Present	Present	Present
1.3864e-4	0.043031	0.0986842	0.858146	Present	Absent	Present	Present	Present
1.3855e-4	0.0429423	0.0994786	0.857441	Present	Absent	Present	Present	Present
9.885e-5	0.0345993	0.0939331	0.871369	Present	Absent	Present	Present	Present
1.3918e-4	0.0433777	0.0977734	0.85871	Present	Absent	Present	Present	Present
9.93e-5	0.03495	0.0924367	0.872514	Present	Absent	Present	Present	Present
9.924e-5	0.034878	0.0931429	0.87188	Present	Absent	Present	Present	Present
7.08e-5	0.0281005	0.0874314	0.884397	Present	Absent	Present	Present	Present
1.4253e-4	0.0436951	0.0989303	0.857232	Present	Absent	Present	Present	Present
1.0169e-4	0.035206	0.0935117	0.871181	Present	Absent	Present	Present	Present
1.0162e-4	0.0351334	0.094225	0.87054	Present	Absent	Present	Present	Present

7.25e-5	0.0283064	0.0884327	0.883188	Present	Absent	Present	Present	Present
1.0208e-4	0.0354896	0.0927158	0.871692	Present	Absent	Present	Present	Present
7.283e-5	0.0285933	0.0871055	0.884228	Present	Absent	Present	Present	Present
7.279e-5	0.0285344	0.0877403	0.883653	Present	Absent	Present	Present	Present
5.193e-5	0.0229888	0.0819395	0.89502	Present	Absent	Present	Present	Present
2.2225e-4	0.0125163	0.142411	0.844851	Present	Absent	Present	Present	Present
1.5857e-4	0.0101013	0.129731	0.860009	Present	Absent	Present	Present	Present
1.5846e-4	0.0100803	0.130448	0.859313	Present	Absent	Present	Present	Present
1.1306e-4	0.00813341	0.118695	0.873058	Present	Absent	Present	Present	Present
1.5918e-4	0.0101832	0.129092	0.860565	Present	Absent	Present	Present	Present
1.1357e-4	0.00821637	0.117482	0.874188	Present	Absent	Present	Present	Present
1.135e-4	0.0081993	0.118125	0.873563	Present	Absent	Present	Present	Present
8.098e-5	0.00661431	0.107389	0.885916	Present	Absent	Present	Present	Present
1.6301e-4	0.0102556	0.130474	0.859107	Present	Absent	Present	Present	Present
1.163e-4	0.00827503	0.118736	0.872872	Present	Absent	Present	Present	Present
1.1622e-4	0.00825784	0.119386	0.87224	Present	Absent	Present	Present	Present
8.292e-5	0.00666171	0.108533	0.884722	Present	Absent	Present	Present	Present
1.1675e-4	0.00834208	0.118164	0.873378	Present	Absent	Present	Present	Present
8.33e-5	0.0067296	0.107438	0.885749	Present	Absent	Present	Present	Present
8.324e-5	0.00671563	0.108021	0.885181	Present	Absent	Present	Present	Present
5.939e-5	0.00541655	0.0981255	0.896398	Present	Absent	Present	Present	Present
1.966e-5	0.0103158	0.131345	0.85832	Present	Absent	Present	Present	Present
1.403e-5	0.00831032	0.119514	0.872162	Present	Absent	Present	Present	Present
1.402e-5	0.0082932	0.120167	0.871526	Present	Absent	Present	Present	Present
1e-5	0.00668079	0.109231	0.884078	Present	Absent	Present	Present	Present
1.408e-5	0.00837722	0.118939	0.87267	Present	Absent	Present	Present	Present
1.005e-5	0.00674847	0.108131	0.88511	Present	Absent	Present	Present	Present
1.004e-5	0.00673457	0.108717	0.884539	Present	Absent	Present	Present	Present
7.16e-6	0.00542507	0.0987483	0.895819	Present	Absent	Present	Present	Present
1.442e-5	0.00843873	0.120209	0.871338	Present	Absent	Present	Present	Present
1.029e-5	0.00679804	0.109283	0.883909	Present	Absent	Present	Present	Present
1.028e-5	0.00678403	0.109874	0.883331	Present	Absent	Present	Present	Present
7.34e-6	0.00546493	0.0997978	0.89473	Present	Absent	Present	Present	Present
1.033e-5	0.00685276	0.108767	0.88437	Present	Absent	Present	Present	Present
7.37e-6	0.00552029	0.0988052	0.895667	Present	Absent	Present	Present	Present
7.37e-6	0.00550892	0.0993355	0.895148	Present	Absent	Present	Present	Present
5.26e-6	0.00443766	0.0901648	0.905392	Present	Absent	Present	Present	Present
0.00890166	0.0273209	0.219338	0.74444	Present	Present	Absent	Absent	Absent
0.00635102	0.0228233	0.201417	0.769408	Present	Present	Absent	Absent	Absent
0.00634689	0.0227674	0.202624	0.768261	Present	Present	Absent	Absent	Absent
0.00452828	0.0189209	0.185648	0.790903	Present	Present	Absent	Absent	Absent
0.00637571	0.0230333	0.200266	0.770325	Present	Present	Absent	Absent	Absent
0.00454884	0.0191377	0.183549	0.792764	Present	Present	Absent	Absent	Absent
0.00454588	0.0190919	0.184629	0.791733	Present	Present	Absent	Absent	Absent
0.00324333	0.015795	0.168881	0.812081	Present	Present	Absent	Absent	Absent
0.00652887	0.0230969	0.202452	0.767923	Present	Present	Absent	Absent	Absent
0.00465812	0.019203	0.185542	0.790597	Present	Present	Absent	Absent	Absent
0.00465509	0.0191569	0.186633	0.789555	Present	Present	Absent	Absent	Absent
0.00332124	0.0158574	0.170705	0.810116	Present	Present	Absent	Absent	Absent
0.00467622	0.0193768	0.184518	0.791429	Present	Present	Absent	Absent	Absent
0.00333632	0.0160364	0.168821	0.811806	Present	Present	Absent	Absent	Absent
0.00333415	0.0159988	0.169797	0.81087	Present	Present	Absent	Absent	Absent
0.0023788	0.0131923	0.15508	0.829349	Present	Present	Absent	Absent	Absent
7.8763e-4	0.0286016	0.203985	0.766625	Present	Present	Absent	Absent	Absent
5.6194e-4	0.0231087	0.186903	0.789426	Present	Present	Absent	Absent	Absent
5.6158e-4	0.0230603	0.187999	0.788379	Present	Present	Absent	Absent	Absent
4.0067e-4	0.0186249	0.17192	0.809055	Present	Present	Absent	Absent	Absent
5.6413e-4	0.0232969	0.185876	0.790263	Present	Present	Absent	Absent	Absent
4.0249e-4	0.0188156	0.170027	0.810754	Present	Present	Absent	Absent	Absent
4.0222e-4	0.0187763	0.171008	0.809813	Present	Present	Absent	Absent	Absent
2.8697e-4	0.0151598	0.156159	0.828395	Present	Present	Absent	Absent	Absent
5.7768e-4	0.0234592	0.187894	0.788069	Present	Present	Absent	Absent	Absent
4.1215e-4	0.0189476	0.171865	0.808775	Present	Present	Absent	Absent	Absent
4.1189e-4	0.018908	0.172856	0.807824	Present	Present	Absent	Absent	Absent
2.9387e-4	0.0152668	0.157839	0.8266	Present	Present	Absent	Absent	Absent

4.1376e-4	0.0191017	0.170949	0.809535	Present	Present	Absent	Absent	Absent
2.952e-4	0.0154229	0.156138	0.828144	Present	Present	Absent	Absent	Absent
2.9501e-4	0.0153908	0.157025	0.827289	Present	Present	Absent	Absent	Absent
2.1048e-4	0.0124232	0.143203	0.844163	Present	Present	Absent	Absent	Absent
9.0081e-4	0.00608394	0.223325	0.76969	Present	Present	Absent	Absent	Absent
6.4269e-4	0.00498295	0.202183	0.792192	Present	Present	Absent	Absent	Absent
6.4228e-4	0.00497179	0.203228	0.791158	Present	Present	Absent	Absent	Absent
4.5824e-4	0.00406343	0.183916	0.811562	Present	Present	Absent	Absent	Absent
6.4519e-4	0.0050257	0.201312	0.793018	Present	Present	Absent	Absent	Absent
4.6032e-4	0.00410712	0.182193	0.81324	Present	Present	Absent	Absent	Absent
4.6002e-4	0.00409802	0.183131	0.812311	Present	Present	Absent	Absent	Absent
3.2821e-4	0.00334292	0.16568	0.830648	Present	Present	Absent	Absent	Absent
6.6069e-4	0.005052	0.203434	0.790853	Present	Present	Absent	Absent	Absent
4.7138e-4	0.00412973	0.184112	0.811287	Present	Present	Absent	Absent	Absent
4.7107e-4	0.00412056	0.18506	0.810348	Present	Present	Absent	Absent	Absent
3.3609e-4	0.0033621	0.167424	0.828877	Present	Present	Absent	Absent	Absent
4.7321e-4	0.0041649	0.183325	0.812037	Present	Present	Absent	Absent	Absent
3.3762e-4	0.003398	0.165863	0.830401	Present	Present	Absent	Absent	Absent
3.374e-4	0.00339054	0.166715	0.829557	Present	Present	Absent	Absent	Absent
2.4072e-4	0.00276183	0.150788	0.84621	Present	Present	Absent	Absent	Absent
7.97e-5	0.00558738	0.204649	0.789684	Present	Present	Absent	Absent	Absent
5.687e-5	0.00450751	0.185204	0.810232	Present	Present	Absent	Absent	Absent
5.683e-5	0.00449816	0.186157	0.809288	Present	Present	Absent	Absent	Absent
4.055e-5	0.00362813	0.16841	0.827921	Present	Present	Absent	Absent	Absent
5.709e-5	0.00454401	0.184413	0.810986	Present	Present	Absent	Absent	Absent
4.073e-5	0.00366508	0.166841	0.829453	Present	Present	Absent	Absent	Absent
4.07e-5	0.00365748	0.167697	0.828605	Present	Present	Absent	Absent	Absent
2.904e-5	0.00294954	0.151671	0.84535	Present	Present	Absent	Absent	Absent
5.846e-5	0.00457654	0.186356	0.809009	Present	Present	Absent	Absent	Absent
4.171e-5	0.00369141	0.168598	0.827669	Present	Present	Absent	Absent	Absent
4.168e-5	0.00368375	0.169462	0.826812	Present	Present	Absent	Absent	Absent
2.974e-5	0.0029708	0.153267	0.843733	Present	Present	Absent	Absent	Absent
4.187e-5	0.00372127	0.167883	0.828354	Present	Present	Absent	Absent	Absent
2.987e-5	0.00300103	0.151845	0.845124	Present	Present	Absent	Absent	Absent
2.985e-5	0.00299482	0.152622	0.844354	Present	Present	Absent	Absent	Absent
2.13e-5	0.00241483	0.138003	0.85956	Present	Present	Absent	Absent	Absent
0.00634595	0.0229435	0.204508	0.766203	Present	Present	Absent	Absent	Absent
0.00452761	0.0190626	0.187365	0.789045	Present	Present	Absent	Absent	Absent
0.00452467	0.019017	0.188462	0.787996	Present	Present	Absent	Absent	Absent
0.00322819	0.0157327	0.17233	0.808709	Present	Present	Absent	Absent	Absent
0.00454521	0.0192348	0.186337	0.789883	Present	Present	Absent	Absent	Absent
0.00324285	0.01591	0.170435	0.810412	Present	Present	Absent	Absent	Absent
0.00324074	0.0158727	0.171418	0.809469	Present	Present	Absent	Absent	Absent
0.00231215	0.0130822	0.156522	0.828084	Present	Present	Absent	Absent	Absent
0.0046544	0.0193009	0.188359	0.787686	Present	Present	Absent	Absent	Absent
0.00332075	0.0159733	0.172277	0.808429	Present	Present	Absent	Absent	Absent
0.00331859	0.0159357	0.173269	0.807476	Present	Present	Absent	Absent	Absent
0.0023677	0.0131401	0.158206	0.826286	Present	Present	Absent	Absent	Absent
0.00333366	0.0161155	0.17136	0.80919	Present	Present	Absent	Absent	Absent
0.00237845	0.0132863	0.156503	0.827833	Present	Present	Absent	Absent	Absent
0.0023769	0.0132556	0.157391	0.826976	Present	Present	Absent	Absent	Absent
0.00169583	0.0108949	0.143528	0.843881	Present	Present	Absent	Absent	Absent
5.615e-4	0.0232025	0.189737	0.786499	Present	Present	Absent	Absent	Absent
4.0061e-4	0.0187394	0.173502	0.807358	Present	Present	Absent	Absent	Absent
4.00351e-4	0.0187003	0.174499	0.8064	Present	Present	Absent	Absent	Absent
2.8563e-4	0.0150984	0.159301	0.825315	Present	Present	Absent	Absent	Absent
4.0216e-4	0.0188918	0.172582	0.808124	Present	Present	Absent	Absent	Absent
2.8693e-4	0.0152528	0.15759	0.82687	Present	Present	Absent	Absent	Absent
2.8674e-4	0.015221	0.158483	0.826009	Present	Present	Absent	Absent	Absent
2.0458e-4	0.0122856	0.144502	0.843008	Present	Present	Absent	Absent	Absent
4.1182e-4	0.0190243	0.174447	0.806117	Present	Present	Absent	Absent	Absent
2.9382e-4	0.0153604	0.159286	0.82506	Present	Present	Absent	Absent	Absent
2.9363e-4	0.0153284	0.160188	0.82419	Present	Present	Absent	Absent	Absent
2.095e-4	0.0123728	0.146051	0.841367	Present	Present	Absent	Absent	Absent
2.9496e-4	0.0154852	0.158465	0.825755	Present	Present	Absent	Absent	Absent

2.1045e-4	0.0124992	0.144512	0.842779	Present	Present	Absent	Absent	Absent
2.1031e-4	0.0124732	0.14532	0.841997	Present	Present	Absent	Absent	Absent
1.5005e-4	0.0100655	0.132351	0.857434	Present	Present	Absent	Absent	Absent
6.4218e-4	0.00500566	0.205049	0.789303	Present	Present	Absent	Absent	Absent
4.5817e-4	0.00409071	0.185563	0.809888	Present	Present	Absent	Absent	Absent
4.5787e-4	0.00408164	0.186518	0.808943	Present	Present	Absent	Absent	Absent
3.2668e-4	0.00332953	0.168734	0.827609	Present	Present	Absent	Absent	Absent
4.5995e-4	0.00412551	0.184771	0.810644	Present	Present	Absent	Absent	Absent
3.2816e-4	0.00336506	0.167163	0.829144	Present	Present	Absent	Absent	Absent
3.2795e-4	0.00335767	0.16802	0.828294	Present	Present	Absent	Absent	Absent
2.3398e-4	0.00273449	0.151961	0.84507	Present	Present	Absent	Absent	Absent
4.71e-4	0.00414826	0.186717	0.808663	Present	Present	Absent	Absent	Absent
3.3604e-4	0.0033844	0.168922	0.827357	Present	Present	Absent	Absent	Absent
3.3583e-4	0.00337696	0.169789	0.826499	Present	Present	Absent	Absent	Absent
2.396e-4	0.00275075	0.15356	0.84345	Present	Present	Absent	Absent	Absent
3.3735e-4	0.00341302	0.168206	0.828043	Present	Present	Absent	Absent	Absent
2.4069e-4	0.00277993	0.152136	0.844844	Present	Present	Absent	Absent	Absent
2.4053e-4	0.00277387	0.152914	0.844072	Present	Present	Absent	Absent	Absent
1.7161e-4	0.00225624	0.138266	0.859306	Present	Present	Absent	Absent	Absent
5.682e-5	0.00452557	0.187824	0.807594	Present	Present	Absent	Absent	Absent
4.054e-5	0.0036502	0.169917	0.826392	Present	Present	Absent	Absent	Absent
4.051e-5	0.00364263	0.170788	0.825529	Present	Present	Absent	Absent	Absent
2.89e-5	0.00293757	0.154459	0.842575	Present	Present	Absent	Absent	Absent
4.07e-5	0.00367973	0.169197	0.827082	Present	Present	Absent	Absent	Absent
2.904e-5	0.00296747	0.153027	0.843976	Present	Present	Absent	Absent	Absent
2.902e-5	0.00296133	0.153809	0.8432	Present	Present	Absent	Absent	Absent
2.07e-5	0.00238777	0.139072	0.85852	Present	Present	Absent	Absent	Absent
4.167e-5	0.00370617	0.170979	0.825274	Present	Present	Absent	Absent	Absent
2.973e-5	0.00298885	0.154637	0.842345	Present	Present	Absent	Absent	Absent
2.971e-5	0.00298266	0.155427	0.84156	Present	Present	Absent	Absent	Absent
2.12e-5	0.00240502	0.140534	0.85704	Present	Present	Absent	Absent	Absent
2.985e-5	0.00301302	0.153986	0.842971	Present	Present	Absent	Absent	Absent
2.13e-5	0.00242949	0.139236	0.858313	Present	Present	Absent	Absent	Absent
2.128e-5	0.00242446	0.139946	0.857608	Present	Present	Absent	Absent	Absent
1.518e-5	0.00195466	0.12651	0.87152	Present	Present	Absent	Absent	Absent
0.00637368	0.0227384	0.202187	0.7687	Present	Present	Absent	Absent	Absent
0.00454739	0.0189	0.185254	0.791299	Present	Present	Absent	Absent	Absent
0.00454444	0.0188547	0.18634	0.790261	Present	Present	Absent	Absent	Absent
0.00324229	0.0156038	0.170401	0.810753	Present	Present	Absent	Absent	Absent
0.00456507	0.0190709	0.184236	0.792128	Present	Present	Absent	Absent	Absent
0.00325701	0.0157799	0.168526	0.812437	Present	Present	Absent	Absent	Absent
0.0032549	0.0157428	0.169498	0.811504	Present	Present	Absent	Absent	Absent
0.00232225	0.0129789	0.154778	0.829921	Present	Present	Absent	Absent	Absent
0.00467473	0.0191355	0.186236	0.789954	Present	Present	Absent	Absent	Absent
0.00333526	0.0158419	0.170347	0.810476	Present	Present	Absent	Absent	Absent
0.00333309	0.0158046	0.171329	0.809533	Present	Present	Absent	Absent	Absent
0.00237804	0.0130358	0.156444	0.828142	Present	Present	Absent	Absent	Absent
0.00334822	0.0159832	0.16944	0.811229	Present	Present	Absent	Absent	Absent
0.00238884	0.0131811	0.154758	0.829672	Present	Present	Absent	Absent	Absent
0.00238728	0.0131506	0.155637	0.828825	Present	Present	Absent	Absent	Absent
0.00170324	0.0108112	0.141937	0.845549	Present	Present	Absent	Absent	Absent
5.6395e-4	0.0230562	0.1876	0.78878	Present	Present	Absent	Absent	Absent
4.0236e-4	0.0186218	0.171559	0.809416	Present	Present	Absent	Absent	Absent
4.021e-4	0.0185829	0.172547	0.808469	Present	Present	Absent	Absent	Absent
2.8688e-4	0.015004	0.157528	0.827181	Present	Present	Absent	Absent	Absent
4.0392e-4	0.0187732	0.170649	0.810174	Present	Present	Absent	Absent	Absent
2.8818e-4	0.0151574	0.155834	0.82872	Present	Present	Absent	Absent	Absent
2.88e-4	0.0151258	0.156718	0.827868	Present	Present	Absent	Absent	Absent
2.0547e-4	0.0122091	0.1429	0.844685	Present	Present	Absent	Absent	Absent
4.1362e-4	0.0189048	0.172493	0.808188	Present	Present	Absent	Absent	Absent
2.9511e-4	0.0152643	0.157512	0.826929	Present	Present	Absent	Absent	Absent
2.9491e-4	0.0152325	0.158405	0.826068	Present	Present	Absent	Absent	Absent
2.1041e-4	0.0122957	0.144433	0.843061	Present	Present	Absent	Absent	Absent
2.9625e-4	0.0153884	0.156699	0.827616	Present	Present	Absent	Absent	Absent
2.1137e-4	0.0124213	0.142909	0.844458	Present	Present	Absent	Absent	Absent

2.1123e-4	0.0123954	0.143709	0.843685	Present	Present	Absent	Absent	Absent
1.507e-4	0.010003	0.130889	0.858957	Present	Present	Absent	Absent	Absent
6.4499e-4	0.00496866	0.202832	0.791554	Present	Present	Absent	Absent	Absent
4.6017e-4	0.00406116	0.183559	0.811919	Present	Present	Absent	Absent	Absent
4.5988e-4	0.00405215	0.184504	0.810984	Present	Present	Absent	Absent	Absent
3.281e-4	0.00330597	0.166915	0.829451	Present	Present	Absent	Absent	Absent
4.6196e-4	0.00409574	0.182776	0.812667	Present	Present	Absent	Absent	Absent
3.2959e-4	0.00334126	0.16536	0.830969	Present	Present	Absent	Absent	Absent
3.2938e-4	0.00333392	0.166208	0.830129	Present	Present	Absent	Absent	Absent
2.35e-4	0.00271549	0.150324	0.846725	Present	Present	Absent	Absent	Absent
4.7306e-4	0.00411823	0.184701	0.810708	Present	Present	Absent	Absent	Absent
3.3751e-4	0.0033604	0.1671	0.829202	Present	Present	Absent	Absent	Absent
3.3729e-4	0.00335301	0.167957	0.828352	Present	Present	Absent	Absent	Absent
2.4065e-4	0.00273159	0.151905	0.845122	Present	Present	Absent	Absent	Absent
3.3882e-4	0.00338883	0.166392	0.82988	Present	Present	Absent	Absent	Absent
2.4174e-4	0.00276059	0.150496	0.846501	Present	Present	Absent	Absent	Absent
2.4158e-4	0.00275456	0.151266	0.845738	Present	Present	Absent	Absent	Absent
1.7236e-4	0.00224079	0.136778	0.860809	Present	Present	Absent	Absent	Absent
5.707e-5	0.00449757	0.185796	0.80965	Present	Present	Absent	Absent	Absent
4.072e-5	0.00362768	0.168085	0.828247	Present	Present	Absent	Absent	Absent
4.069e-5	0.00362016	0.168947	0.827393	Present	Present	Absent	Absent	Absent
2.903e-5	0.00291948	0.152795	0.844257	Present	Present	Absent	Absent	Absent
4.087e-5	0.00365703	0.167373	0.828929	Present	Present	Absent	Absent	Absent
2.916e-5	0.0029492	0.151378	0.845643	Present	Present	Absent	Absent	Absent
2.914e-5	0.00294309	0.152152	0.844875	Present	Present	Absent	Absent	Absent
2.079e-5	0.0023731	0.137575	0.860031	Present	Present	Absent	Absent	Absent
4.186e-5	0.0036833	0.169134	0.82714	Present	Present	Absent	Absent	Absent
2.986e-5	0.00297045	0.152971	0.844029	Present	Present	Absent	Absent	Absent
2.984e-5	0.00296429	0.153753	0.843253	Present	Present	Absent	Absent	Absent
2.129e-5	0.00239024	0.139021	0.858567	Present	Present	Absent	Absent	Absent
2.998e-5	0.00299446	0.152327	0.844649	Present	Present	Absent	Absent	Absent
2.139e-5	0.00241455	0.137737	0.859827	Present	Present	Absent	Absent	Absent
2.138e-5	0.00240955	0.13844	0.859129	Present	Present	Absent	Absent	Absent
1.525e-5	0.00194267	0.125149	0.872893	Present	Present	Absent	Absent	Absent
0.00454376	0.0189962	0.188063	0.788398	Present	Present	Absent	Absent	Absent
0.00324181	0.0157177	0.171969	0.809071	Present	Present	Absent	Absent	Absent
0.00323971	0.0156808	0.172958	0.808122	Present	Present	Absent	Absent	Absent
0.00231142	0.0129275	0.157893	0.826868	Present	Present	Absent	Absent	Absent
0.00325442	0.0158576	0.171058	0.80983	Present	Present	Absent	Absent	Absent
0.00232191	0.0130713	0.156197	0.82841	Present	Present	Absent	Absent	Absent
0.0023204	0.0130411	0.157082	0.827556	Present	Present	Absent	Absent	Absent
0.00165552	0.0107169	0.143223	0.844404	Present	Present	Absent	Absent	Absent
0.00333259	0.0159203	0.172906	0.807841	Present	Present	Absent	Absent	Absent
0.00237769	0.0131289	0.157878	0.826615	Present	Present	Absent	Absent	Absent
0.00237614	0.0130986	0.158772	0.825753	Present	Present	Absent	Absent	Absent
0.00169529	0.0107683	0.144759	0.842777	Present	Present	Absent	Absent	Absent
0.00238693	0.0132444	0.157064	0.827304	Present	Present	Absent	Absent	Absent
0.00170299	0.0108868	0.143233	0.844177	Present	Present	Absent	Absent	Absent
0.00170188	0.010862	0.144034	0.843402	Present	Present	Absent	Absent	Absent
0.00121423	0.00890494	0.131179	0.858702	Present	Present	Absent	Absent	Absent
4.0204e-4	0.0186972	0.174134	0.806767	Present	Present	Absent	Absent	Absent
2.8684e-4	0.015096	0.158971	0.825646	Present	Present	Absent	Absent	Absent
2.8665e-4	0.0150645	0.15987	0.824779	Present	Present	Absent	Absent	Absent
2.0452e-4	0.0121596	0.145738	0.841898	Present	Present	Absent	Absent	Absent
2.8795e-4	0.0152186	0.158155	0.826339	Present	Present	Absent	Absent	Absent
2.0544e-4	0.0122838	0.144205	0.843306	Present	Present	Absent	Absent	Absent
2.0531e-4	0.0122583	0.14501	0.842526	Present	Present	Absent	Absent	Absent
1.4648e-4	0.00989192	0.13205	0.857912	Present	Present	Absent	Absent	Absent
2.9487e-4	0.015326	0.159856	0.824523	Present	Present	Absent	Absent	Absent
2.1038e-4	0.0123709	0.145752	0.841667	Present	Present	Absent	Absent	Absent
2.1024e-4	0.0123452	0.146565	0.84088	Present	Present	Absent	Absent	Absent
1.5e-4	0.00996238	0.133462	0.856426	Present	Present	Absent	Absent	Absent
2.112e-4	0.0124713	0.145021	0.842296	Present	Present	Absent	Absent	Absent
1.5068e-4	0.0100641	0.132081	0.857704	Present	Present	Absent	Absent	Absent
1.5058e-4	0.0100431	0.13281	0.856996	Present	Present	Absent	Absent	Absent

1.0744e-4	0.00810278	0.120822	0.870968	Present	Present	Absent	Absent	Absent
4.5981e-4	0.00407937	0.186156	0.809305	Present	Present	Absent	Absent	Absent
3.2806e-4	0.00332788	0.168408	0.827936	Present	Present	Absent	Absent	Absent
3.2784e-4	0.00332057	0.169271	0.82708	Present	Present	Absent	Absent	Absent
2.339e-4	0.0027046	0.153087	0.843975	Present	Present	Absent	Absent	Absent
3.2933e-4	0.00335601	0.167695	0.82862	Present	Present	Absent	Absent	Absent
2.3497e-4	0.00273328	0.151668	0.845364	Present	Present	Absent	Absent	Absent
2.3481e-4	0.00272732	0.152443	0.844595	Present	Present	Absent	Absent	Absent
1.6753e-4	0.00221823	0.137836	0.859778	Present	Present	Absent	Absent	Absent
3.3724e-4	0.00337526	0.16946	0.826827	Present	Present	Absent	Absent	Absent
2.4061e-4	0.00274951	0.153263	0.843746	Present	Present	Absent	Absent	Absent
2.4045e-4	0.00274351	0.154047	0.842969	Present	Present	Absent	Absent	Absent
1.7156e-4	0.00223179	0.139285	0.858311	Present	Present	Absent	Absent	Absent
2.4155e-4	0.00277263	0.152618	0.844367	Present	Present	Absent	Absent	Absent
1.7233e-4	0.00225534	0.138	0.859573	Present	Present	Absent	Absent	Absent
1.7222e-4	0.00225045	0.138703	0.858874	Present	Present	Absent	Absent	Absent
1.2287e-4	0.00182839	0.125386	0.872662	Present	Present	Absent	Absent	Absent
4.068e-5	0.00364219	0.170458	0.825859	Present	Present	Absent	Absent	Absent
2.903e-5	0.00293723	0.154161	0.842873	Present	Present	Absent	Absent	Absent
2.901e-5	0.00293114	0.154948	0.842092	Present	Present	Absent	Absent	Absent
2.07e-5	0.00236346	0.140096	0.857519	Present	Present	Absent	Absent	Absent
2.914e-5	0.00296097	0.153512	0.843497	Present	Present	Absent	Absent	Absent
2.079e-5	0.0023875	0.138804	0.858788	Present	Present	Absent	Absent	Absent
2.078e-5	0.00238256	0.139511	0.858086	Present	Present	Absent	Absent	Absent
1.482e-5	0.00192087	0.126114	0.871951	Present	Present	Absent	Absent	Absent
2.984e-5	0.00298231	0.155127	0.841861	Present	Present	Absent	Absent	Absent
2.129e-5	0.00240475	0.140263	0.857311	Present	Present	Absent	Absent	Absent
2.128e-5	0.00239977	0.140978	0.856601	Present	Present	Absent	Absent	Absent
1.518e-5	0.00193478	0.127438	0.870612	Present	Present	Absent	Absent	Absent
2.137e-5	0.00242418	0.139676	0.857878	Present	Present	Absent	Absent	Absent
1.525e-5	0.00195445	0.126267	0.871764	Present	Present	Absent	Absent	Absent
1.524e-5	0.0019504	0.126909	0.871126	Present	Present	Absent	Absent	Absent
1.087e-5	0.00157229	0.1147	0.883717	Present	Present	Absent	Absent	Absent
0.00629964	0.023089	0.204237	0.766375	Present	Present	Absent	Absent	Present
0.00449457	0.0191756	0.18713	0.7892	Present	Present	Absent	Absent	Present
0.00449165	0.0191298	0.188227	0.788152	Present	Present	Absent	Absent	Present
0.00320463	0.0158205	0.172126	0.808849	Present	Present	Absent	Absent	Present
0.00451204	0.0193485	0.186102	0.790038	Present	Present	Absent	Absent	Present
0.00321918	0.0159986	0.170231	0.810551	Present	Present	Absent	Absent	Present
0.00321709	0.0159611	0.171213	0.809609	Present	Present	Absent	Absent	Present
0.00229528	0.0131512	0.156343	0.82821	Present	Present	Absent	Absent	Present
0.00462043	0.019416	0.188122	0.787842	Present	Present	Absent	Absent	Present
0.00329651	0.0160629	0.172071	0.80857	Present	Present	Absent	Absent	Present
0.00329437	0.0160252	0.173063	0.807618	Present	Present	Absent	Absent	Present
0.00235042	0.0132099	0.158026	0.826414	Present	Present	Absent	Absent	Present
0.00330933	0.0162058	0.171154	0.80933	Present	Present	Absent	Absent	Present
0.00236109	0.0133567	0.156323	0.827959	Present	Present	Absent	Absent	Present
0.00235955	0.0133259	0.157211	0.827103	Present	Present	Absent	Absent	Present
0.00168346	0.0109499	0.143371	0.843996	Present	Present	Absent	Absent	Present
5.574e-4	0.0232871	0.1895	0.786656	Present	Present	Absent	Absent	Present
3.97679e-4	0.0188072	0.173295	0.8075	Present	Present	Absent	Absent	Present
3.9742e-4	0.0187679	0.174292	0.806542	Present	Present	Absent	Absent	Present
2.8355e-4	0.0151526	0.159121	0.825443	Present	Present	Absent	Absent	Present
3.9923e-4	0.0189601	0.172376	0.808265	Present	Present	Absent	Absent	Present
2.8484e-4	0.0153075	0.15741	0.826998	Present	Present	Absent	Absent	Present
2.8465e-4	0.0152756	0.158303	0.826137	Present	Present	Absent	Absent	Present
2.0309e-4	0.0123294	0.144344	0.843124	Present	Present	Absent	Absent	Present
4.0882e-4	0.0190932	0.174239	0.80626	Present	Present	Absent	Absent	Present
2.9168e-4	0.0154156	0.159105	0.825188	Present	Present	Absent	Absent	Present
2.9149e-4	0.0153835	0.160006	0.824319	Present	Present	Absent	Absent	Present
2.0797e-4	0.0124169	0.145892	0.841483	Present	Present	Absent	Absent	Present
2.9281e-4	0.0155408	0.158284	0.825883	Present	Present	Absent	Absent	Present
2.0891e-4	0.0125438	0.144353	0.842894	Present	Present	Absent	Absent	Present
2.0878e-4	0.0125177	0.145161	0.842113	Present	Present	Absent	Absent	Present
1.4895e-4	0.0101012	0.132211	0.857539	Present	Present	Absent	Absent	Present

6.3749e-4	0.00502948	0.204875	0.789458	Present	Present	Absent	Absent	Present
4.5483e-4	0.00410946	0.185408	0.810028	Present	Present	Absent	Absent	Present
4.5453e-4	0.00410036	0.186362	0.809083	Present	Present	Absent	Absent	Present
3.2429e-4	0.0033443	0.168595	0.827736	Present	Present	Absent	Absent	Present
4.566e-4	0.0041444	0.184616	0.810783	Present	Present	Absent	Absent	Present
3.2577e-4	0.00337997	0.167025	0.82927	Present	Present	Absent	Absent	Present
3.2555e-4	0.00337255	0.167882	0.82842	Present	Present	Absent	Absent	Present
2.3227e-4	0.00274625	0.151837	0.845184	Present	Present	Absent	Absent	Present
4.6757e-4	0.00416734	0.186561	0.808804	Present	Present	Absent	Absent	Present
3.3359e-4	0.00339945	0.168783	0.827484	Present	Present	Absent	Absent	Present
3.3337e-4	0.00339199	0.169649	0.826626	Present	Present	Absent	Absent	Present
2.3785e-4	0.00276262	0.153435	0.843565	Present	Present	Absent	Absent	Present
3.3489e-4	0.00342818	0.168067	0.82817	Present	Present	Absent	Absent	Present
2.3893e-4	0.00279192	0.152012	0.844957	Present	Present	Absent	Absent	Present
2.3878e-4	0.00278583	0.152789	0.844186	Present	Present	Absent	Absent	Present
1.7036e-4	0.00226572	0.138154	0.85941	Present	Present	Absent	Absent	Present
5.641e-5	0.00454151	0.187667	0.807735	Present	Present	Absent	Absent	Present
4.024e-5	0.003663	0.169777	0.82652	Present	Present	Absent	Absent	Present
4.022e-5	0.00365541	0.170648	0.825657	Present	Present	Absent	Absent	Present
2.869e-5	0.00294783	0.154333	0.84269	Present	Present	Absent	Absent	Present
4.04e-5	0.00369263	0.169058	0.827209	Present	Present	Absent	Absent	Present
2.882e-5	0.00297783	0.152902	0.844091	Present	Present	Absent	Absent	Present
2.881e-5	0.00297166	0.153684	0.843315	Present	Present	Absent	Absent	Present
2.055e-5	0.00239608	0.13896	0.858624	Present	Present	Absent	Absent	Present
4.137e-5	0.00371917	0.170838	0.825402	Present	Present	Absent	Absent	Present
2.952e-5	0.0029993	0.154511	0.84246	Present	Present	Absent	Absent	Present
2.95e-5	0.00299308	0.155301	0.841677	Present	Present	Absent	Absent	Present
2.105e-5	0.0024134	0.14042	0.857145	Present	Present	Absent	Absent	Present
2.963e-5	0.00302354	0.15386	0.843086	Present	Present	Absent	Absent	Present
2.114e-5	0.00243794	0.139124	0.858417	Present	Present	Absent	Absent	Present
2.113e-5	0.0024329	0.139833	0.857713	Present	Present	Absent	Absent	Present
1.507e-5	0.00196144	0.126409	0.871614	Present	Present	Absent	Absent	Present
0.00449098	0.0192726	0.189967	0.78627	Present	Present	Absent	Absent	Present
0.00320416	0.0159355	0.173709	0.807151	Present	Present	Absent	Absent	Present
0.00320207	0.0158982	0.174708	0.806192	Present	Present	Absent	Absent	Present
0.00228457	0.0130991	0.159489	0.825127	Present	Present	Absent	Absent	Present
0.00321661	0.016077	0.172789	0.807917	Present	Present	Absent	Absent	Present
0.00229494	0.0132445	0.157776	0.826684	Present	Present	Absent	Absent	Present
0.00229345	0.013214	0.15867	0.825822	Present	Present	Absent	Absent	Present
0.00163629	0.0108537	0.14467	0.84284	Present	Present	Absent	Absent	Present
0.00329388	0.0161419	0.174655	0.805909	Present	Present	Absent	Absent	Present
0.00235007	0.0133039	0.159474	0.824872	Present	Present	Absent	Absent	Present
0.00234854	0.0132732	0.160378	0.824001	Present	Present	Absent	Absent	Present
0.0016756	0.0109064	0.146222	0.841196	Present	Present	Absent	Absent	Present
0.0023592	0.0134206	0.158653	0.825567	Present	Present	Absent	Absent	Present
0.00168321	0.0110262	0.144681	0.84261	Present	Present	Absent	Absent	Present
0.00168211	0.0110011	0.14549	0.841827	Present	Present	Absent	Absent	Present
0.00120013	0.00901518	0.132504	0.857281	Present	Present	Absent	Absent	Present
3.9737e-4	0.0188833	0.175895	0.804824	Present	Present	Absent	Absent	Present
2.8351e-4	0.0152455	0.160578	0.823893	Present	Present	Absent	Absent	Present
2.8332e-4	0.0152137	0.161486	0.823017	Present	Present	Absent	Absent	Present
2.0214e-4	0.0122794	0.14721	0.840308	Present	Present	Absent	Absent	Present
2.8461e-4	0.0153693	0.159754	0.824592	Present	Present	Absent	Absent	Present
2.0306e-4	0.0124049	0.145662	0.84173	Present	Present	Absent	Absent	Present
2.0293e-4	0.0123791	0.146475	0.840943	Present	Present	Absent	Absent	Present
1.4478e-4	0.00998899	0.133383	0.856483	Present	Present	Absent	Absent	Present
2.9145e-4	0.0154778	0.161473	0.822758	Present	Present	Absent	Absent	Present
2.0794e-4	0.0124929	0.147224	0.840075	Present	Present	Absent	Absent	Present
2.078e-4	0.0124669	0.148046	0.839279	Present	Present	Absent	Absent	Present
1.4826e-4	0.0100602	0.13481	0.854982	Present	Present	Absent	Absent	Present
2.0874e-4	0.0125943	0.146487	0.84071	Present	Present	Absent	Absent	Present
1.4893e-4	0.0101628	0.133415	0.856273	Present	Present	Absent	Absent	Present
1.4883e-4	0.0101417	0.134151	0.855558	Present	Present	Absent	Absent	Present
1.0619e-4	0.00818203	0.122042	0.86967	Present	Present	Absent	Absent	Present
4.5447e-4	0.00412783	0.18803	0.807387	Present	Present	Absent	Absent	Present

3.2425e-4	0.00336642	0.170104	0.826206	Present	Present	Absent	Absent	Present
3.2403e-4	0.00335904	0.170976	0.825341	Present	Present	Absent	Absent	Present
2.3119e-4	0.00273523	0.154628	0.842406	Present	Present	Absent	Absent	Present
3.2551e-4	0.00339485	0.169383	0.826896	Present	Present	Absent	Absent	Present
2.3224e-4	0.00276421	0.153195	0.843809	Present	Present	Absent	Absent	Present
2.3209e-4	0.00275819	0.153978	0.843032	Present	Present	Absent	Absent	Present
1.6559e-4	0.00224284	0.139224	0.858368	Present	Present	Absent	Absent	Present
3.3333e-4	0.00341445	0.171166	0.825086	Present	Present	Absent	Absent	Present
2.3782e-4	0.00278071	0.154806	0.842175	Present	Present	Absent	Absent	Present
2.3766e-4	0.00277465	0.155597	0.84139	Present	Present	Absent	Absent	Present
1.6956e-4	0.00225661	0.140687	0.856887	Present	Present	Absent	Absent	Present
2.3874e-4	0.00280407	0.154155	0.842802	Present	Present	Absent	Absent	Present
1.7033e-4	0.0022804	0.139389	0.858161	Present	Present	Absent	Absent	Present
1.7022e-4	0.00227547	0.140099	0.857455	Present	Present	Absent	Absent	Present
1.2145e-4	0.00184836	0.126648	0.871382	Present	Present	Absent	Absent	Present
4.021e-5	0.00367765	0.172174	0.824108	Present	Present	Absent	Absent	Present
2.869e-5	0.00296574	0.155713	0.841293	Present	Present	Absent	Absent	Present
2.867e-5	0.0029596	0.156508	0.840504	Present	Present	Absent	Absent	Present
2.046e-5	0.00238635	0.141507	0.856087	Present	Present	Absent	Absent	Present
2.88e-5	0.00298972	0.155058	0.841924	Present	Present	Absent	Absent	Present
2.055e-5	0.00241062	0.140201	0.857368	Present	Present	Absent	Absent	Present
2.054e-5	0.00240563	0.140915	0.856658	Present	Present	Absent	Absent	Present
1.465e-5	0.00193943	0.127383	0.870663	Present	Present	Absent	Absent	Present
2.949e-5	0.00301127	0.156689	0.84027	Present	Present	Absent	Absent	Present
2.104e-5	0.00242805	0.141675	0.855876	Present	Present	Absent	Absent	Present
2.103e-5	0.00242302	0.142397	0.855159	Present	Present	Absent	Absent	Present
1.5e-5	0.00195348	0.128721	0.86931	Present	Present	Absent	Absent	Present
2.112e-5	0.00244766	0.141082	0.856449	Present	Present	Absent	Absent	Present
1.507e-5	0.00197334	0.127538	0.870474	Present	Present	Absent	Absent	Present
1.506e-5	0.00196925	0.128186	0.86983	Present	Present	Absent	Absent	Present
1.075e-5	0.00158746	0.115854	0.882547	Present	Present	Absent	Absent	Present
0.0045106	0.0191091	0.187827	0.788553	Present	Present	Absent	Absent	Present
0.00321815	0.0158056	0.171765	0.809212	Present	Present	Absent	Absent	Present
0.00321606	0.0157685	0.172753	0.808263	Present	Present	Absent	Absent	Present
0.00229455	0.012996	0.157714	0.826996	Present	Present	Absent	Absent	Present
0.00323066	0.0159461	0.170854	0.80997	Present	Present	Absent	Absent	Present
0.00230496	0.0131403	0.156019	0.828536	Present	Present	Absent	Absent	Present
0.00230347	0.0131101	0.156904	0.827683	Present	Present	Absent	Absent	Present
0.00164344	0.0107709	0.143067	0.844519	Present	Present	Absent	Absent	Present
0.00330827	0.0160098	0.1727	0.807982	Present	Present	Absent	Absent	Present
0.00236034	0.0131988	0.157698	0.826743	Present	Present	Absent	Absent	Present
0.0023588	0.0131683	0.158592	0.825881	Present	Present	Absent	Absent	Present
0.00168292	0.0108229	0.144602	0.842893	Present	Present	Absent	Absent	Present
0.00236951	0.0133148	0.156885	0.827431	Present	Present	Absent	Absent	Present
0.00169056	0.0109419	0.143076	0.844291	Present	Present	Absent	Absent	Present
0.00168946	0.010917	0.143877	0.843517	Present	Present	Absent	Absent	Present
0.00120537	0.00894808	0.131041	0.858805	Present	Present	Absent	Absent	Present
3.991e-4	0.0187648	0.173927	0.806909	Present	Present	Absent	Absent	Present
2.8474e-4	0.0151502	0.158791	0.825774	Present	Present	Absent	Absent	Present
2.8456e-4	0.0151186	0.159689	0.824908	Present	Present	Absent	Absent	Present
2.0302e-4	0.012203	0.14558	0.842014	Present	Present	Absent	Absent	Present
2.8585e-4	0.0152732	0.157974	0.826466	Present	Present	Absent	Absent	Present
2.0395e-4	0.0123276	0.144048	0.843421	Present	Present	Absent	Absent	Present
2.0381e-4	0.012302	0.144852	0.842642	Present	Present	Absent	Absent	Present
1.4541e-4	0.00992699	0.131912	0.858016	Present	Present	Absent	Absent	Present
2.9272e-4	0.0153811	0.159675	0.824651	Present	Present	Absent	Absent	Present
2.0884e-4	0.0124151	0.145593	0.841783	Present	Present	Absent	Absent	Present
2.0871e-4	0.0123893	0.146406	0.840996	Present	Present	Absent	Absent	Present
1.4891e-4	0.00999773	0.133322	0.856531	Present	Present	Absent	Absent	Present
2.0966e-4	0.0125158	0.144863	0.842412	Present	Present	Absent	Absent	Present
1.4958e-4	0.0100998	0.131942	0.857808	Present	Present	Absent	Absent	Present
1.4948e-4	0.0100788	0.132671	0.857101	Present	Present	Absent	Absent	Present
1.0665e-4	0.00813137	0.120699	0.871063	Present	Present	Absent	Absent	Present
4.5645e-4	0.0040981	0.186	0.809445	Present	Present	Absent	Absent	Present
3.2566e-4	0.00334266	0.168269	0.828062	Present	Present	Absent	Absent	Present

3.2545e-4	0.00333532	0.169132	0.827207	Present	Present	Absent	Absent	Present
2.322e-4	0.00271626	0.152962	0.844089	Present	Present	Absent	Absent	Present
3.2693e-4	0.0033709	0.167557	0.828745	Present	Present	Absent	Absent	Present
2.3325e-4	0.00274505	0.151544	0.845477	Present	Present	Absent	Absent	Present
2.331e-4	0.00273907	0.152319	0.844709	Present	Present	Absent	Absent	Present
1.6631e-4	0.00222753	0.137725	0.859881	Present	Present	Absent	Absent	Present
3.3478e-4	0.0033903	0.16932	0.826955	Present	Present	Absent	Absent	Present
2.3885e-4	0.00276139	0.153139	0.843861	Present	Present	Absent	Absent	Present
2.387e-4	0.00275538	0.153921	0.843085	Present	Present	Absent	Absent	Present
1.703e-4	0.00224118	0.139173	0.858415	Present	Present	Absent	Absent	Present
2.3978e-4	0.0027846	0.152494	0.844482	Present	Present	Absent	Absent	Present
1.7108e-4	0.00226482	0.137888	0.859676	Present	Present	Absent	Absent	Present
1.7097e-4	0.00225992	0.138591	0.858978	Present	Present	Absent	Absent	Present
1.2198e-4	0.0018359	0.125286	0.872756	Present	Present	Absent	Absent	Present
4.039e-5	0.00365496	0.170317	0.825987	Present	Present	Absent	Absent	Present
2.881e-5	0.00294749	0.154035	0.842988	Present	Present	Absent	Absent	Present
2.88e-5	0.00294138	0.154822	0.842208	Present	Present	Absent	Absent	Present
2.054e-5	0.00237169	0.139984	0.857624	Present	Present	Absent	Absent	Present
2.893e-5	0.00297131	0.153387	0.843612	Present	Present	Absent	Absent	Present
2.064e-5	0.00239581	0.138692	0.858892	Present	Present	Absent	Absent	Present
2.062e-5	0.00239085	0.139399	0.85819	Present	Present	Absent	Absent	Present
1.472e-5	0.00192753	0.126013	0.872045	Present	Present	Absent	Absent	Present
2.962e-5	0.00299273	0.155001	0.841977	Present	Present	Absent	Absent	Present
2.113e-5	0.00241313	0.14015	0.857416	Present	Present	Absent	Absent	Present
2.112e-5	0.00240813	0.140864	0.856707	Present	Present	Absent	Absent	Present
1.507e-5	0.00194149	0.127337	0.870707	Present	Present	Absent	Absent	Present
2.122e-5	0.00243262	0.139564	0.857982	Present	Present	Absent	Absent	Present
1.514e-5	0.00196123	0.126166	0.871858	Present	Present	Absent	Absent	Present
1.513e-5	0.00195717	0.126807	0.87122	Present	Present	Absent	Absent	Present
1.079e-5	0.00157774	0.114609	0.883802	Present	Present	Absent	Absent	Present
0.00321559	0.0158832	0.174342	0.806559	Present	Present	Absent	Absent	Present
0.00229421	0.0130883	0.159159	0.825459	Present	Present	Absent	Absent	Present
0.00229272	0.0130582	0.160058	0.824591	Present	Present	Absent	Absent	Present
0.00163577	0.0107281	0.145908	0.841728	Present	Present	Absent	Absent	Present
0.00230313	0.0132031	0.158341	0.826152	Present	Present	Absent	Absent	Present
0.0016432	0.0108458	0.144374	0.843137	Present	Present	Absent	Absent	Present
0.00164213	0.0108212	0.145179	0.842357	Present	Present	Absent	Absent	Present
0.0011716	0.0088666	0.132203	0.857759	Present	Present	Absent	Absent	Present
0.00235845	0.0132621	0.160045	0.824334	Present	Present	Absent	Absent	Present
0.00168267	0.0108984	0.145922	0.841497	Present	Present	Absent	Absent	Present
0.00168158	0.0108736	0.146736	0.840709	Present	Present	Absent	Absent	Present
0.00119975	0.00891243	0.133616	0.856272	Present	Present	Absent	Absent	Present
0.00168921	0.0109931	0.145191	0.842127	Present	Present	Absent	Absent	Present
0.00120519	0.00900935	0.132234	0.857551	Present	Present	Absent	Absent	Present
0.00120441	0.00898911	0.132964	0.856843	Present	Present	Absent	Absent	Present
8.593e-4	0.00735075	0.120961	0.870829	Present	Present	Absent	Absent	Present
2.8452e-4	0.0152113	0.161152	0.823352	Present	Present	Absent	Absent	Present
2.0299e-4	0.0122777	0.146908	0.840611	Present	Present	Absent	Absent	Present
2.0286e-4	0.0122521	0.147727	0.839818	Present	Present	Absent	Absent	Present
1.4473e-4	0.00988673	0.1345	0.855468	Present	Present	Absent	Absent	Present
2.0378e-4	0.0123773	0.146175	0.841244	Present	Present	Absent	Absent	Present
1.4539e-4	0.00998761	0.133112	0.856755	Present	Present	Absent	Absent	Present
1.453e-4	0.00996685	0.133845	0.856042	Present	Present	Absent	Absent	Present
1.0366e-4	0.00804085	0.121748	0.870107	Present	Present	Absent	Absent	Present
2.0868e-4	0.0124651	0.147742	0.839584	Present	Present	Absent	Absent	Present
1.4888e-4	0.0100588	0.134536	0.855257	Present	Present	Absent	Absent	Present
1.4879e-4	0.0100379	0.135276	0.854537	Present	Present	Absent	Absent	Present
1.0615e-4	0.00809839	0.123047	0.868749	Present	Present	Absent	Absent	Present
1.4946e-4	0.0101403	0.133878	0.855832	Present	Present	Absent	Absent	Present
1.0664e-4	0.00818095	0.121795	0.869917	Present	Present	Absent	Absent	Present
1.0657e-4	0.00816397	0.122459	0.86927	Present	Present	Absent	Absent	Present
7.603e-5	0.00658521	0.111296	0.882043	Present	Present	Absent	Absent	Present
3.254e-4	0.00335739	0.170645	0.825672	Present	Present	Absent	Absent	Present
2.3216e-4	0.00273403	0.154329	0.842704	Present	Present	Absent	Absent	Present
2.3201e-4	0.00272808	0.155118	0.841922	Present	Present	Absent	Absent	Present

1.6553e-4	0.00221858	0.14025	0.857366	Present	Present	Absent	Absent	Present
2.3307e-4	0.00275699	0.153681	0.843329	Present	Present	Absent	Absent	Present
1.6628e-4	0.00224196	0.138956	0.858636	Present	Present	Absent	Absent	Present
1.6618e-4	0.00223711	0.139664	0.857933	Present	Present	Absent	Absent	Present
1.1856e-4	0.00181709	0.126251	0.871813	Present	Present	Absent	Absent	Present
2.3866e-4	0.00277342	0.155297	0.841691	Present	Present	Absent	Absent	Present
1.7028e-4	0.00225571	0.140416	0.857158	Present	Present	Absent	Absent	Present
1.7017e-4	0.00225083	0.141132	0.856447	Present	Present	Absent	Absent	Present
1.2141e-4	0.00182851	0.127577	0.870473	Present	Present	Absent	Absent	Present
1.7094e-4	0.00227457	0.139829	0.857725	Present	Present	Absent	Absent	Present
1.2196e-4	0.0018477	0.126405	0.871626	Present	Present	Absent	Absent	Present
1.2188e-4	0.00184372	0.127047	0.870987	Present	Present	Absent	Absent	Present
8.696e-5	0.00149618	0.114825	0.883592	Present	Present	Absent	Absent	Present
2.879e-5	0.00295925	0.156206	0.840806	Present	Present	Absent	Absent	Present
2.054e-5	0.00238609	0.141234	0.856359	Present	Present	Absent	Absent	Present
2.053e-5	0.00238115	0.141953	0.855645	Present	Present	Absent	Absent	Present
1.465e-5	0.00191971	0.128317	0.869748	Present	Present	Absent	Absent	Present
2.062e-5	0.00240536	0.140644	0.85693	Present	Present	Absent	Absent	Present
1.471e-5	0.00193922	0.127138	0.870908	Present	Present	Absent	Absent	Present
1.47e-5	0.00193521	0.127784	0.870266	Present	Present	Absent	Absent	Present
1.049e-5	0.00156001	0.115488	0.882941	Present	Present	Absent	Absent	Present
2.112e-5	0.00242275	0.142122	0.855434	Present	Present	Absent	Absent	Present
1.507e-5	0.00195327	0.128474	0.869558	Present	Present	Absent	Absent	Present
1.506e-5	0.00194923	0.129126	0.868909	Present	Present	Absent	Absent	Present
1.074e-5	0.00157133	0.116701	0.881717	Present	Present	Absent	Absent	Present
1.512e-5	0.00196904	0.12794	0.870076	Present	Present	Absent	Absent	Present
1.079e-5	0.00158729	0.115632	0.88277	Present	Present	Absent	Absent	Present
1.078e-5	0.00158401	0.116218	0.882187	Present	Present	Absent	Absent	Present
7.69e-6	0.00127678	0.105018	0.893697	Present	Present	Absent	Absent	Present
0.00631846	0.022712	0.200645	0.770325	Present	Present	Absent	Present	Absent
0.004508	0.0188737	0.183854	0.792764	Present	Present	Absent	Present	Absent
0.00450507	0.0188285	0.184933	0.791733	Present	Present	Absent	Present	Absent
0.00321421	0.0155791	0.169125	0.812081	Present	Present	Absent	Present	Absent
0.00452552	0.0190442	0.182843	0.793587	Present	Present	Absent	Present	Absent
0.0032288	0.0157547	0.167262	0.813754	Present	Present	Absent	Present	Absent
0.0032267	0.0157177	0.168228	0.812828	Present	Present	Absent	Present	Absent
0.00230214	0.0129561	0.153627	0.831115	Present	Present	Absent	Present	Absent
0.00463424	0.0191092	0.184828	0.791429	Present	Present	Absent	Present	Absent
0.00330636	0.015817	0.16907	0.811806	Present	Present	Absent	Present	Absent
0.00330421	0.0157798	0.170045	0.81087	Present	Present	Absent	Present	Absent
0.00235744	0.0130132	0.155281	0.829349	Present	Present	Absent	Present	Absent
0.00331922	0.015958	0.168169	0.812554	Present	Present	Absent	Present	Absent
0.00236814	0.0131581	0.153606	0.830868	Present	Present	Absent	Present	Absent
0.0023666	0.0131277	0.154479	0.830027	Present	Present	Absent	Present	Absent
0.00168849	0.0107909	0.140887	0.846633	Present	Present	Absent	Present	Absent
5.5906e-4	0.0229948	0.186183	0.790263	Present	Present	Absent	Present	Absent
3.9887e-4	0.0185719	0.170275	0.810754	Present	Present	Absent	Present	Absent
3.9861e-4	0.0185331	0.171255	0.809813	Present	Present	Absent	Present	Absent
2.844e-4	0.0149636	0.156357	0.828395	Present	Present	Absent	Present	Absent
4.0042e-4	0.0187229	0.16937	0.811507	Present	Present	Absent	Present	Absent
2.8569e-4	0.0151166	0.154675	0.829922	Present	Present	Absent	Present	Absent
2.855e-4	0.0150851	0.155553	0.829077	Present	Present	Absent	Present	Absent
2.0369e-4	0.0121761	0.141844	0.845776	Present	Present	Absent	Present	Absent
4.1004e-4	0.0188542	0.171201	0.809535	Present	Present	Absent	Present	Absent
2.9255e-4	0.0152233	0.15634	0.828144	Present	Present	Absent	Present	Absent
2.9236e-4	0.0151915	0.157227	0.827289	Present	Present	Absent	Present	Absent
2.0859e-4	0.0122624	0.143366	0.844163	Present	Present	Absent	Present	Absent
2.9369e-4	0.0153469	0.155533	0.828827	Present	Present	Absent	Present	Absent
2.0954e-4	0.0123877	0.141852	0.84555	Present	Present	Absent	Present	Absent
2.094e-4	0.0123619	0.142646	0.844782	Present	Present	Absent	Present	Absent
1.494e-4	0.00997578	0.129928	0.859947	Present	Present	Absent	Present	Absent
6.394e-4	0.0049585	0.201385	0.793018	Present	Present	Absent	Present	Absent
4.5619e-4	0.00405247	0.182251	0.81324	Present	Present	Absent	Present	Absent
4.5589e-4	0.00404349	0.18319	0.812311	Present	Present	Absent	Present	Absent
3.2526e-4	0.00329862	0.165728	0.830648	Present	Present	Absent	Present	Absent

4.5796e-4	0.00408696	0.181473	0.813982	Present	Present	Absent	Present	Absent
3.2674e-4	0.00333382	0.164183	0.832156	Present	Present	Absent	Present	Absent
3.2653e-4	0.0033265	0.165026	0.831321	Present	Present	Absent	Present	Absent
2.3297e-4	0.00270925	0.149256	0.847801	Present	Present	Absent	Present	Absent
4.6896e-4	0.00410945	0.183385	0.812037	Present	Present	Absent	Present	Absent
3.3459e-4	0.00335295	0.165912	0.830401	Present	Present	Absent	Present	Absent
3.3437e-4	0.00334558	0.166763	0.829557	Present	Present	Absent	Present	Absent
2.3856e-4	0.00272534	0.150826	0.84621	Present	Present	Absent	Present	Absent
3.3589e-4	0.00338131	0.165208	0.831075	Present	Present	Absent	Present	Absent
2.3964e-4	0.00275426	0.149427	0.847579	Present	Present	Absent	Present	Absent
2.3949e-4	0.00274825	0.150192	0.846821	Present	Present	Absent	Present	Absent
1.7087e-4	0.00223552	0.135807	0.861787	Present	Present	Absent	Present	Absent
5.657e-5	0.0044853	0.184472	0.810986	Present	Present	Absent	Present	Absent
4.036e-5	0.00361774	0.166889	0.829453	Present	Present	Absent	Present	Absent
4.034e-5	0.00361024	0.167745	0.828605	Present	Present	Absent	Present	Absent
2.878e-5	0.00291147	0.15171	0.84535	Present	Present	Absent	Present	Absent
4.052e-5	0.00364701	0.166182	0.830131	Present	Present	Absent	Present	Absent
2.891e-5	0.0029411	0.150303	0.846727	Present	Present	Absent	Present	Absent
2.889e-5	0.002935	0.151072	0.845965	Present	Present	Absent	Present	Absent
2.061e-5	0.00236656	0.136599	0.861014	Present	Present	Absent	Present	Absent
4.149e-5	0.00367321	0.167931	0.828354	Present	Present	Absent	Present	Absent
2.96e-5	0.00296229	0.151884	0.845124	Present	Present	Absent	Present	Absent
2.959e-5	0.00295615	0.152661	0.844354	Present	Present	Absent	Present	Absent
2.111e-5	0.00238366	0.138035	0.85956	Present	Present	Absent	Present	Absent
2.972e-5	0.00298624	0.151245	0.845739	Present	Present	Absent	Present	Absent
2.12e-5	0.00240791	0.13676	0.860811	Present	Present	Absent	Present	Absent
2.119e-5	0.00240292	0.137457	0.860119	Present	Present	Absent	Present	Absent
1.512e-5	0.00193731	0.124262	0.873785	Present	Present	Absent	Present	Absent
0.0045044	0.0189695	0.186643	0.789883	Present	Present	Absent	Present	Absent
0.00321373	0.0156926	0.170682	0.810412	Present	Present	Absent	Present	Absent
0.00321164	0.0156558	0.171664	0.809469	Present	Present	Absent	Present	Absent
0.00229139	0.0129048	0.15672	0.828084	Present	Present	Absent	Present	Absent
0.00322622	0.0158322	0.169776	0.811165	Present	Present	Absent	Present	Absent
0.0023018	0.0130482	0.155035	0.829615	Present	Present	Absent	Present	Absent
0.0023003	0.0130181	0.155915	0.828767	Present	Present	Absent	Present	Absent
0.00164118	0.0106965	0.142165	0.845497	Present	Present	Absent	Present	Absent
0.00330373	0.0158952	0.171611	0.80919	Present	Present	Absent	Present	Absent
0.00235709	0.013106	0.156704	0.827833	Present	Present	Absent	Present	Absent
0.00235556	0.0130758	0.157592	0.826976	Present	Present	Absent	Present	Absent
0.00168061	0.0107481	0.14369	0.843881	Present	Present	Absent	Present	Absent
0.00236625	0.0132213	0.155896	0.828517	Present	Present	Absent	Present	Absent
0.00168824	0.0108662	0.142175	0.845271	Present	Present	Absent	Present	Absent
0.00168714	0.0108415	0.14297	0.844501	Present	Present	Absent	Present	Absent
0.00120372	0.00888708	0.130216	0.859694	Present	Present	Absent	Present	Absent
3.9855e-4	0.0186471	0.172831	0.808124	Present	Present	Absent	Present	Absent
2.8435e-4	0.0150554	0.15779	0.82687	Present	Present	Absent	Present	Absent
2.8417e-4	0.015024	0.158683	0.826009	Present	Present	Absent	Present	Absent
2.0274e-4	0.0121267	0.144662	0.843008	Present	Present	Absent	Present	Absent
2.8546e-4	0.0151776	0.156979	0.827558	Present	Present	Absent	Present	Absent
2.0366e-4	0.0122506	0.14314	0.844406	Present	Present	Absent	Present	Absent
2.0353e-4	0.0122251	0.143939	0.843632	Present	Present	Absent	Present	Absent
1.4521e-4	0.00986504	0.13108	0.858909	Present	Present	Absent	Present	Absent
2.9232e-4	0.0152847	0.158668	0.825755	Present	Present	Absent	Present	Absent
2.0856e-4	0.0123375	0.144675	0.842779	Present	Present	Absent	Present	Absent
2.0842e-4	0.0123118	0.145483	0.841997	Present	Present	Absent	Present	Absent
1.487e-4	0.00993532	0.132482	0.857434	Present	Present	Absent	Present	Absent
2.0937e-4	0.0124376	0.14395	0.843403	Present	Present	Absent	Present	Absent
1.4938e-4	0.0100367	0.131111	0.858703	Present	Present	Absent	Present	Absent
1.4928e-4	0.0100159	0.131835	0.858	Present	Present	Absent	Present	Absent
1.0651e-4	0.00808069	0.119939	0.871874	Present	Present	Absent	Present	Absent
4.5582e-4	0.00407062	0.18483	0.810644	Present	Present	Absent	Present	Absent
3.2521e-4	0.00332047	0.16721	0.829144	Present	Present	Absent	Present	Absent
3.25e-4	0.00331318	0.168067	0.828294	Present	Present	Absent	Present	Absent
2.3188e-4	0.00269838	0.152	0.84507	Present	Present	Absent	Present	Absent
3.2648e-4	0.00334853	0.166502	0.829823	Present	Present	Absent	Present	Absent

2.3293e-4	0.00272699	0.150591	0.846449	Present	Present	Absent	Present	Absent
2.3278e-4	0.00272105	0.15136	0.845686	Present	Present	Absent	Present	Absent
1.6608e-4	0.00221299	0.136858	0.860762	Present	Present	Absent	Present	Absent
3.3432e-4	0.00336777	0.168255	0.828043	Present	Present	Absent	Present	Absent
2.3853e-4	0.00274321	0.152175	0.844844	Present	Present	Absent	Present	Absent
2.3837e-4	0.00273723	0.152953	0.844072	Present	Present	Absent	Present	Absent
1.7007e-4	0.00222653	0.138297	0.859306	Present	Present	Absent	Present	Absent
2.3945e-4	0.00276627	0.151534	0.84546	Present	Present	Absent	Present	Absent
1.7084e-4	0.00225002	0.13702	0.860559	Present	Present	Absent	Present	Absent
1.7073e-4	0.00224515	0.137719	0.859865	Present	Present	Absent	Present	Absent
1.2181e-4	0.00182399	0.124498	0.873557	Present	Present	Absent	Present	Absent
4.033e-5	0.00363221	0.169245	0.827082	Present	Present	Absent	Present	Absent
2.878e-5	0.00292916	0.153066	0.843976	Present	Present	Absent	Present	Absent
2.876e-5	0.0029231	0.153848	0.8432	Present	Present	Absent	Present	Absent
2.052e-5	0.00235696	0.139103	0.85852	Present	Present	Absent	Present	Absent
2.889e-5	0.00295284	0.152422	0.844596	Present	Present	Absent	Present	Absent
2.061e-5	0.00238093	0.137819	0.859779	Present	Present	Absent	Present	Absent
2.06e-5	0.002376	0.138521	0.859082	Present	Present	Absent	Present	Absent
1.469e-5	0.00191557	0.12522	0.87285	Present	Present	Absent	Present	Absent
2.958e-5	0.00297412	0.154025	0.842971	Present	Present	Absent	Present	Absent
2.111e-5	0.00239813	0.139268	0.858313	Present	Present	Absent	Present	Absent
2.109e-5	0.00239317	0.139977	0.857608	Present	Present	Absent	Present	Absent
1.505e-5	0.00192944	0.126535	0.87152	Present	Present	Absent	Present	Absent
2.119e-5	0.00241751	0.138685	0.858876	Present	Present	Absent	Present	Absent
1.512e-5	0.00194906	0.125372	0.872664	Present	Present	Absent	Present	Absent
1.511e-5	0.00194502	0.126009	0.872031	Present	Present	Absent	Present	Absent
1.078e-5	0.00156795	0.113888	0.884533	Present	Present	Absent	Present	Absent
0.00452408	0.0188077	0.18454	0.792128	Present	Present	Absent	Present	Absent
0.00322777	0.0155641	0.168771	0.812437	Present	Present	Absent	Present	Absent
0.00322567	0.0155275	0.169742	0.811504	Present	Present	Absent	Present	Absent
0.0023014	0.0128028	0.154975	0.829921	Present	Present	Absent	Present	Absent
0.00324032	0.0157027	0.167875	0.813182	Present	Present	Absent	Present	Absent
0.00231185	0.0129452	0.153308	0.831435	Present	Present	Absent	Present	Absent
0.00231035	0.0129153	0.154178	0.830596	Present	Present	Absent	Present	Absent
0.00164835	0.0106147	0.14059	0.847147	Present	Present	Absent	Present	Absent
0.00331816	0.0157645	0.169689	0.811229	Present	Present	Absent	Present	Absent
0.00236739	0.0130021	0.154959	0.829672	Present	Present	Absent	Present	Absent
0.00236585	0.012972	0.155837	0.828825	Present	Present	Absent	Present	Absent
0.00168795	0.0106655	0.142098	0.845549	Present	Present	Absent	Present	Absent
0.00237659	0.0131165	0.154158	0.830349	Present	Present	Absent	Present	Absent
0.00169561	0.0107828	0.140598	0.846924	Present	Present	Absent	Present	Absent
0.00169451	0.0107583	0.141385	0.846162	Present	Present	Absent	Present	Absent
0.00120897	0.00882072	0.128778	0.861193	Present	Present	Absent	Present	Absent
4.0029e-4	0.01853	0.170896	0.810174	Present	Present	Absent	Present	Absent
2.856e-4	0.0149612	0.156033	0.82872	Present	Present	Absent	Present	Absent
2.8541e-4	0.01493	0.156917	0.827868	Present	Present	Absent	Present	Absent
2.0363e-4	0.0120512	0.14306	0.844685	Present	Present	Absent	Present	Absent
2.8671e-4	0.0150827	0.15523	0.8294	Present	Present	Absent	Present	Absent
2.0455e-4	0.0121743	0.141553	0.846068	Present	Present	Absent	Present	Absent
2.0442e-4	0.012149	0.142344	0.845303	Present	Present	Absent	Present	Absent
1.4585e-4	0.00980379	0.129634	0.860417	Present	Present	Absent	Present	Absent
2.9359e-4	0.0151891	0.156901	0.827616	Present	Present	Absent	Present	Absent
2.0947e-4	0.0122606	0.143072	0.844458	Present	Present	Absent	Present	Absent
2.0933e-4	0.0122351	0.143871	0.843685	Present	Present	Absent	Present	Absent
1.4935e-4	0.00987361	0.13102	0.858957	Present	Present	Absent	Present	Absent
2.1028e-4	0.0123601	0.142353	0.845076	Present	Present	Absent	Present	Absent
1.5003e-4	0.00997439	0.129663	0.860213	Present	Present	Absent	Present	Absent
1.4993e-4	0.00995365	0.130379	0.859517	Present	Present	Absent	Present	Absent
1.0697e-4	0.00803065	0.11862	0.873243	Present	Present	Absent	Present	Absent
4.5782e-4	0.00404122	0.182834	0.812667	Present	Present	Absent	Present	Absent
3.2664e-4	0.00329697	0.165407	0.830969	Present	Present	Absent	Present	Absent
3.2642e-4	0.00328973	0.166255	0.830129	Present	Present	Absent	Present	Absent
2.3289e-4	0.00267963	0.150362	0.846725	Present	Present	Absent	Present	Absent
3.279e-4	0.00332485	0.164706	0.831641	Present	Present	Absent	Present	Absent
2.3395e-4	0.00270805	0.148968	0.84809	Present	Present	Absent	Present	Absent

2.338e-4	0.00270215	0.14973	0.847334	Present	Present	Absent	Present	Absent
1.6681e-4	0.00219786	0.135385	0.86225	Present	Present	Absent	Present	Absent
3.3578e-4	0.00334389	0.16644	0.82988	Present	Present	Absent	Present	Absent
2.3957e-4	0.00272411	0.150535	0.846501	Present	Present	Absent	Present	Absent
2.3941e-4	0.00271817	0.151305	0.845738	Present	Present	Absent	Present	Absent
1.7081e-4	0.00221128	0.136809	0.860809	Present	Present	Absent	Present	Absent
2.405e-4	0.00274702	0.149901	0.847111	Present	Present	Absent	Present	Absent
1.7159e-4	0.00223462	0.135545	0.862049	Present	Present	Absent	Present	Absent
1.7148e-4	0.00222978	0.136236	0.861362	Present	Present	Absent	Present	Absent
1.2234e-4	0.00181167	0.123159	0.874907	Present	Present	Absent	Present	Absent
4.051e-5	0.0036098	0.16742	0.828929	Present	Present	Absent	Present	Absent
2.89e-5	0.00291112	0.151417	0.845643	Present	Present	Absent	Present	Absent
2.888e-5	0.00290509	0.152191	0.844875	Present	Present	Absent	Present	Absent
2.061e-5	0.00234247	0.137606	0.860031	Present	Present	Absent	Present	Absent
2.901e-5	0.00293466	0.15078	0.846256	Present	Present	Absent	Present	Absent
2.07e-5	0.0023663	0.136336	0.861277	Present	Present	Absent	Present	Absent
2.069e-5	0.0023614	0.13703	0.860587	Present	Present	Absent	Present	Absent
1.476e-5	0.00190382	0.123873	0.874208	Present	Present	Absent	Present	Absent
2.971e-5	0.0029558	0.152366	0.844649	Present	Present	Absent	Present	Absent
2.12e-5	0.00238339	0.137769	0.859827	Present	Present	Absent	Present	Absent
2.118e-5	0.00237846	0.138471	0.859129	Present	Present	Absent	Present	Absent
1.511e-5	0.0019176	0.125175	0.872893	Present	Present	Absent	Present	Absent
2.128e-5	0.00240265	0.137193	0.860384	Present	Present	Absent	Present	Absent
1.518e-5	0.0019371	0.124023	0.874024	Present	Present	Absent	Present	Absent
1.517e-5	0.00193309	0.124654	0.873398	Present	Present	Absent	Present	Absent
1.082e-5	0.00155834	0.112664	0.885767	Present	Present	Absent	Present	Absent
0.0032252	0.0156408	0.171304	0.80983	Present	Present	Absent	Present	Absent
0.00230106	0.012894	0.156395	0.82841	Present	Present	Absent	Present	Absent
0.00229957	0.0128642	0.15728	0.827556	Present	Present	Absent	Present	Absent
0.00164066	0.0105725	0.143383	0.844404	Present	Present	Absent	Present	Absent
0.00231001	0.0130072	0.155591	0.829091	Present	Present	Absent	Present	Absent
0.00164811	0.0106887	0.141874	0.845789	Present	Present	Absent	Present	Absent
0.00164704	0.0106644	0.142666	0.845022	Present	Present	Absent	Present	Absent
0.0011751	0.00874074	0.12992	0.860164	Present	Present	Absent	Present	Absent
0.0023655	0.0130646	0.157266	0.827304	Present	Present	Absent	Present	Absent
0.0016877	0.01074	0.143395	0.844177	Present	Present	Absent	Present	Absent
0.0016866	0.0107155	0.144196	0.843402	Present	Present	Absent	Present	Absent
0.00120333	0.0087856	0.131309	0.858702	Present	Present	Absent	Present	Absent
0.00169426	0.0108334	0.142676	0.844796	Present	Present	Absent	Present	Absent
0.00120879	0.00888124	0.12995	0.859959	Present	Present	Absent	Present	Absent
0.00120801	0.00886126	0.130668	0.859263	Present	Present	Absent	Present	Absent
8.6187e-4	0.00724811	0.118877	0.873013	Present	Present	Absent	Present	Absent
2.8537e-4	0.0150216	0.158354	0.826339	Present	Present	Absent	Present	Absent
2.036e-4	0.0121249	0.144366	0.843306	Present	Present	Absent	Present	Absent
2.0347e-4	0.0120997	0.14517	0.842526	Present	Present	Absent	Present	Absent
1.4517e-4	0.00976403	0.132179	0.857912	Present	Present	Absent	Present	Absent
2.0439e-4	0.0122233	0.143644	0.843928	Present	Present	Absent	Present	Absent
1.4583e-4	0.00986367	0.130814	0.859177	Present	Present	Absent	Present	Absent
1.4573e-4	0.00984317	0.131535	0.858476	Present	Present	Absent	Present	Absent
1.0397e-4	0.00794127	0.119651	0.872303	Present	Present	Absent	Present	Absent
2.093e-4	0.01231	0.145185	0.842296	Present	Present	Absent	Present	Absent
1.4933e-4	0.00993394	0.132213	0.857704	Present	Present	Absent	Present	Absent
1.4923e-4	0.00991328	0.132941	0.856996	Present	Present	Absent	Present	Absent
1.0647e-4	0.00799807	0.120928	0.870968	Present	Present	Absent	Present	Absent
1.4991e-4	0.0100145	0.131566	0.858269	Present	Present	Absent	Present	Absent
1.0696e-4	0.00807962	0.119697	0.872117	Present	Present	Absent	Present	Absent
1.0689e-4	0.00806284	0.12035	0.871481	Present	Present	Absent	Present	Absent
7.626e-5	0.00650379	0.109383	0.884037	Present	Present	Absent	Present	Absent
3.2637e-4	0.00331153	0.167742	0.82862	Present	Present	Absent	Present	Absent
2.3286e-4	0.00269718	0.151706	0.845364	Present	Present	Absent	Present	Absent
2.3271e-4	0.0026913	0.152481	0.844595	Present	Present	Absent	Present	Absent
1.6603e-4	0.00218903	0.137867	0.859778	Present	Present	Absent	Present	Absent
2.3376e-4	0.00271985	0.151068	0.845978	Present	Present	Absent	Present	Absent
1.6678e-4	0.00221211	0.136595	0.861026	Present	Present	Absent	Present	Absent
1.6667e-4	0.00220732	0.137291	0.860335	Present	Present	Absent	Present	Absent

1.1891e-4	0.00179315	0.124108	0.873981	Present	Present	Absent	Present	Absent
2.3938e-4	0.002736	0.152657	0.844367	Present	Present	Absent	Present	Absent
1.7079e-4	0.00222564	0.138031	0.859573	Present	Present	Absent	Present	Absent
1.7068e-4	0.00222082	0.138734	0.858874	Present	Present	Absent	Present	Absent
1.2177e-4	0.00180438	0.125411	0.872662	Present	Present	Absent	Present	Absent
1.7145e-4	0.00224425	0.137453	0.860131	Present	Present	Absent	Present	Absent
1.2232e-4	0.00182332	0.124258	0.873796	Present	Present	Absent	Present	Absent
1.2224e-4	0.0018194	0.12489	0.873169	Present	Present	Absent	Present	Absent
8.722e-5	0.00147662	0.112876	0.88556	Present	Present	Absent	Present	Absent
2.888e-5	0.00292275	0.153551	0.843497	Present	Present	Absent	Present	Absent
2.06e-5	0.00235669	0.138835	0.858788	Present	Present	Absent	Present	Absent
2.059e-5	0.00235181	0.139542	0.858086	Present	Present	Absent	Present	Absent
1.469e-5	0.00189609	0.126138	0.871951	Present	Present	Absent	Present	Absent
2.068e-5	0.00237573	0.138255	0.859349	Present	Present	Absent	Present	Absent
1.476e-5	0.00191536	0.124979	0.873091	Present	Present	Absent	Present	Absent
1.475e-5	0.0019114	0.125614	0.87246	Present	Present	Absent	Present	Absent
1.052e-5	0.00154083	0.113528	0.88492	Present	Present	Absent	Present	Absent
2.118e-5	0.0023929	0.139708	0.857878	Present	Present	Absent	Present	Absent
1.511e-5	0.00192923	0.126292	0.871764	Present	Present	Absent	Present	Absent
1.51e-5	0.00192524	0.126934	0.871126	Present	Present	Absent	Present	Absent
1.077e-5	0.00155201	0.11472	0.883717	Present	Present	Absent	Present	Absent
1.517e-5	0.00194481	0.125767	0.872273	Present	Present	Absent	Present	Absent
1.082e-5	0.00156778	0.113669	0.884752	Present	Present	Absent	Present	Absent
1.082e-5	0.00156454	0.114246	0.884179	Present	Present	Absent	Present	Absent
7.72e-6	0.00126111	0.103236	0.895495	Present	Present	Absent	Present	Absent
0.00447153	0.0190819	0.186409	0.790038	Present	Present	Absent	Present	Present
0.00319028	0.0157801	0.170478	0.810551	Present	Present	Absent	Present	Present
0.0031882	0.0157431	0.17146	0.809609	Present	Present	Absent	Present	Present
0.00227467	0.012973	0.156542	0.82821	Present	Present	Absent	Present	Present
0.00320268	0.0159203	0.169573	0.811304	Present	Present	Absent	Present	Present
0.002285	0.013117	0.154858	0.82974	Present	Present	Absent	Present	Present
0.00228351	0.0130868	0.155737	0.828893	Present	Present	Absent	Present	Present
0.0016292	0.0107503	0.14201	0.84561	Present	Present	Absent	Present	Present
0.00327961	0.0159843	0.171406	0.80933	Present	Present	Absent	Present	Present
0.00233989	0.0131756	0.156525	0.827959	Present	Present	Absent	Present	Present
0.00233837	0.0131452	0.157413	0.827103	Present	Present	Absent	Present	Present
0.00166834	0.0108024	0.143534	0.843996	Present	Present	Absent	Present	Present
0.00234898	0.0132913	0.155717	0.828643	Present	Present	Absent	Present	Present
0.00167592	0.0109211	0.142019	0.845384	Present	Present	Absent	Present	Present
0.00167483	0.0108962	0.142814	0.844615	Present	Present	Absent	Present	Present
0.00119493	0.00893005	0.130078	0.859797	Present	Present	Absent	Present	Present
3.9564e-4	0.0187145	0.172625	0.808265	Present	Present	Absent	Present	Present
2.8228e-4	0.0151094	0.157611	0.826998	Present	Present	Absent	Present	Present
2.8209e-4	0.0150779	0.158503	0.826137	Present	Present	Absent	Present	Present
2.0126e-4	0.01217	0.144505	0.843124	Present	Present	Absent	Present	Present
2.8338e-4	0.0152321	0.1568	0.827685	Present	Present	Absent	Present	Present
2.0218e-4	0.0122943	0.142983	0.84452	Present	Present	Absent	Present	Present
2.0205e-4	0.0122687	0.143782	0.843747	Present	Present	Absent	Present	Present
1.4415e-4	0.00990001	0.130943	0.859013	Present	Present	Absent	Present	Present
2.9018e-4	0.0153396	0.158487	0.825883	Present	Present	Absent	Present	Present
2.0704e-4	0.0123815	0.144517	0.842894	Present	Present	Absent	Present	Present
2.069e-4	0.0123557	0.145325	0.842113	Present	Present	Absent	Present	Present
1.4762e-4	0.00997057	0.132343	0.857539	Present	Present	Absent	Present	Present
2.0784e-4	0.012482	0.143792	0.843518	Present	Present	Absent	Present	Present
1.4829e-4	0.0100723	0.130973	0.858807	Present	Present	Absent	Present	Present
1.4819e-4	0.0100514	0.131696	0.858105	Present	Present	Absent	Present	Present
1.0573e-4	0.0081092	0.119817	0.871968	Present	Present	Absent	Present	Present
4.525e-4	0.00408928	0.184675	0.810783	Present	Present	Absent	Present	Present
3.2284e-4	0.00333519	0.167072	0.82927	Present	Present	Absent	Present	Present
3.2263e-4	0.00332788	0.167929	0.82842	Present	Present	Absent	Present	Present
2.3019e-4	0.00271	0.151876	0.845184	Present	Present	Absent	Present	Present
3.241e-4	0.00336336	0.166365	0.829948	Present	Present	Absent	Present	Present
2.3123e-4	0.00273872	0.150468	0.846562	Present	Present	Absent	Present	Present
2.3108e-4	0.00273276	0.151237	0.845799	Present	Present	Absent	Present	Present
1.6487e-4	0.00222226	0.136748	0.860865	Present	Present	Absent	Present	Present

3.3188e-4	0.00338275	0.168116	0.82817	Present	Present	Absent	Present	Present
2.3679e-4	0.00275505	0.152051	0.844957	Present	Present	Absent	Present	Present
2.3663e-4	0.00274905	0.152828	0.844186	Present	Present	Absent	Present	Present
1.6883e-4	0.00223589	0.138186	0.85941	Present	Present	Absent	Present	Present
2.3771e-4	0.00277819	0.151411	0.845574	Present	Present	Absent	Present	Present
1.6959e-4	0.00225947	0.13691	0.860661	Present	Present	Absent	Present	Present
1.6948e-4	0.00225458	0.137608	0.859968	Present	Present	Absent	Present	Present
1.2092e-4	0.00183147	0.124398	0.873649	Present	Present	Absent	Present	Present
4.004e-5	0.00364495	0.169106	0.827209	Present	Present	Absent	Present	Present
2.857e-5	0.00293939	0.152941	0.844091	Present	Present	Absent	Present	Present
2.855e-5	0.0029333	0.153723	0.843315	Present	Present	Absent	Present	Present
2.037e-5	0.00236516	0.138991	0.858624	Present	Present	Absent	Present	Present
2.868e-5	0.00296315	0.152298	0.84471	Present	Present	Absent	Present	Present
2.046e-5	0.00238921	0.137708	0.859882	Present	Present	Absent	Present	Present
2.045e-5	0.00238427	0.13841	0.859185	Present	Present	Absent	Present	Present
1.459e-5	0.00192221	0.12512	0.872943	Present	Present	Absent	Present	Present
2.937e-5	0.00298451	0.1539	0.843086	Present	Present	Absent	Present	Present
2.095e-5	0.00240648	0.139156	0.858417	Present	Present	Absent	Present	Present
2.094e-5	0.0024015	0.139865	0.857713	Present	Present	Absent	Present	Present
1.494e-5	0.00193614	0.126435	0.871615	Present	Present	Absent	Present	Present
2.103e-5	0.00242593	0.138573	0.85898	Present	Present	Absent	Present	Present
1.501e-5	0.00195582	0.125272	0.872757	Present	Present	Absent	Present	Present
1.5e-5	0.00195177	0.125909	0.872125	Present	Present	Absent	Present	Present
1.07e-5	0.00157337	0.113798	0.884618	Present	Present	Absent	Present	Present
0.00318773	0.0158575	0.173037	0.807917	Present	Present	Absent	Present	Present
0.00227433	0.0130651	0.157976	0.826684	Present	Present	Absent	Present	Present
0.00227285	0.013035	0.15887	0.825822	Present	Present	Absent	Present	Present
0.0016216	0.0107076	0.144831	0.84284	Present	Present	Absent	Present	Present
0.00228317	0.0131796	0.157164	0.827373	Present	Present	Absent	Present	Present
0.00162896	0.0108251	0.143307	0.844239	Present	Present	Absent	Present	Present
0.0016279	0.0108005	0.144108	0.843464	Present	Present	Absent	Present	Present
0.00116145	0.0088486	0.131232	0.858758	Present	Present	Absent	Present	Present
0.00233802	0.0132387	0.158856	0.825567	Present	Present	Absent	Present	Present
0.0016681	0.0108777	0.144844	0.84261	Present	Present	Absent	Present	Present
0.00166701	0.010853	0.145653	0.841827	Present	Present	Absent	Present	Present
0.00118935	0.00889447	0.132636	0.857281	Present	Present	Absent	Present	Present
0.00167458	0.0109721	0.144118	0.843235	Present	Present	Absent	Present	Present
0.00119475	0.00899114	0.131263	0.858551	Present	Present	Absent	Present	Present
0.00119398	0.00897096	0.131987	0.857848	Present	Present	Absent	Present	Present
8.5186e-4	0.00733517	0.120077	0.871736	Present	Present	Absent	Present	Present
2.8205e-4	0.0151703	0.159955	0.824592	Present	Present	Absent	Present	Present
2.0123e-4	0.0122444	0.145824	0.84173	Present	Present	Absent	Present	Present
2.011e-4	0.0122189	0.146637	0.840943	Present	Present	Absent	Present	Present
1.4348e-4	0.00985985	0.133514	0.856483	Present	Present	Absent	Present	Present
2.0202e-4	0.0123437	0.145095	0.842359	Present	Present	Absent	Present	Present
1.4413e-4	0.00996046	0.132135	0.85776	Present	Present	Absent	Present	Present
1.4404e-4	0.00993976	0.132863	0.857053	Present	Present	Absent	Present	Present
1.0277e-4	0.00801891	0.120859	0.871019	Present	Present	Absent	Present	Present
2.0687e-4	0.0124313	0.146652	0.84071	Present	Present	Absent	Present	Present
1.4759e-4	0.0100315	0.133548	0.856273	Present	Present	Absent	Present	Present
1.475e-4	0.0100106	0.134284	0.855558	Present	Present	Absent	Present	Present
1.0523e-4	0.0080763	0.122148	0.86967	Present	Present	Absent	Present	Present
1.4817e-4	0.0101128	0.132895	0.856844	Present	Present	Absent	Present	Present
1.0571e-4	0.00815864	0.120905	0.870831	Present	Present	Absent	Present	Present
1.0564e-4	0.0081417	0.121565	0.870188	Present	Present	Absent	Present	Present
7.537e-5	0.00656719	0.110486	0.882871	Present	Present	Absent	Present	Present
3.2258e-4	0.00334989	0.169431	0.826896	Present	Present	Absent	Present	Present
2.3015e-4	0.00272772	0.153233	0.843809	Present	Present	Absent	Present	Present
2.3e-4	0.00272179	0.154016	0.843032	Present	Present	Absent	Present	Present
1.641e-4	0.00221333	0.139255	0.858368	Present	Present	Absent	Present	Present
2.3105e-4	0.00275062	0.152589	0.844429	Present	Present	Absent	Present	Present
1.6484e-4	0.00223665	0.13797	0.859629	Present	Present	Absent	Present	Present
1.6474e-4	0.00223181	0.138673	0.858931	Present	Present	Absent	Present	Present
1.1753e-4	0.00181269	0.125357	0.872713	Present	Present	Absent	Present	Present
2.366e-4	0.00276705	0.154194	0.842802	Present	Present	Absent	Present	Present

1.688e-4	0.00225039	0.13942	0.858161	Present	Present	Absent	Present	Present
1.6869e-4	0.00224552	0.140131	0.857455	Present	Present	Absent	Present	Present
1.2036e-4	0.00182409	0.126674	0.871382	Present	Present	Absent	Present	Present
1.6946e-4	0.00226919	0.138837	0.858724	Present	Present	Absent	Present	Present
1.209e-4	0.00184323	0.125509	0.872527	Present	Present	Absent	Present	Present
1.2082e-4	0.00183927	0.126147	0.871893	Present	Present	Absent	Present	Present
8.62e-5	0.00149249	0.114012	0.884409	Present	Present	Absent	Present	Present
2.854e-5	0.00295112	0.155097	0.841924	Present	Present	Absent	Present	Present
2.036e-5	0.00237951	0.140232	0.857368	Present	Present	Absent	Present	Present
2.035e-5	0.00237459	0.140947	0.856658	Present	Present	Absent	Present	Present
1.452e-5	0.00191441	0.127408	0.870663	Present	Present	Absent	Present	Present
2.044e-5	0.00239874	0.139646	0.857935	Present	Present	Absent	Present	Present
1.459e-5	0.00193387	0.126237	0.871814	Present	Present	Absent	Present	Present
1.458e-5	0.00192987	0.126879	0.871177	Present	Present	Absent	Present	Present
1.04e-5	0.00155569	0.114671	0.883763	Present	Present	Absent	Present	Present
2.093e-5	0.00241608	0.141114	0.856449	Present	Present	Absent	Present	Present
1.494e-5	0.00194788	0.127563	0.870474	Present	Present	Absent	Present	Present
1.493e-5	0.00194385	0.128211	0.86983	Present	Present	Absent	Present	Present
1.065e-5	0.00156699	0.115875	0.882547	Present	Present	Absent	Present	Present
1.499e-5	0.00196361	0.127033	0.870988	Present	Present	Absent	Present	Present
1.07e-5	0.00158291	0.114813	0.883593	Present	Present	Absent	Present	Present
1.069e-5	0.00157963	0.115396	0.883014	Present	Present	Absent	Present	Present
7.63e-6	0.00127325	0.104275	0.894444	Present	Present	Absent	Present	Present
0.00320166	0.0157283	0.1711	0.80997	Present	Present	Absent	Present	Present
0.00228427	0.0129622	0.156218	0.828536	Present	Present	Absent	Present	Present
0.00228278	0.0129323	0.157102	0.827683	Present	Present	Absent	Present	Present
0.00162869	0.0106259	0.143227	0.844519	Present	Present	Absent	Present	Present
0.00229315	0.013076	0.155414	0.829217	Present	Present	Absent	Present	Present
0.00163608	0.0107425	0.141719	0.845903	Present	Present	Absent	Present	Present
0.00163502	0.0107181	0.142511	0.845136	Present	Present	Absent	Present	Present
0.00116653	0.00878291	0.129784	0.860267	Present	Present	Absent	Present	Present
0.00234823	0.0131342	0.157087	0.827431	Present	Present	Absent	Present	Present
0.00167538	0.0107944	0.143239	0.844291	Present	Present	Absent	Present	Present
0.00167429	0.0107699	0.144039	0.843517	Present	Present	Absent	Present	Present
0.00119455	0.00882822	0.131172	0.858805	Present	Present	Absent	Present	Present
0.00168189	0.0108882	0.14252	0.84491	Present	Present	Absent	Present	Present
0.00119997	0.00892425	0.129813	0.860062	Present	Present	Absent	Present	Present
0.00119919	0.00890419	0.13053	0.859366	Present	Present	Absent	Present	Present
8.5558e-4	0.00728187	0.118756	0.873106	Present	Present	Absent	Present	Present
2.8329e-4	0.0150756	0.158175	0.826466	Present	Present	Absent	Present	Present
2.0211e-4	0.0121682	0.144209	0.843421	Present	Present	Absent	Present	Present
2.0198e-4	0.0121429	0.145013	0.842642	Present	Present	Absent	Present	Present
1.4411e-4	0.00979865	0.132041	0.858016	Present	Present	Absent	Present	Present
2.029e-4	0.0122669	0.143487	0.844043	Present	Present	Absent	Present	Present
1.4476e-4	0.00989864	0.130676	0.85928	Present	Present	Absent	Present	Present
1.4467e-4	0.00987807	0.131397	0.85858	Present	Present	Absent	Present	Present
1.0322e-4	0.00796928	0.11953	0.872397	Present	Present	Absent	Present	Present
2.0777e-4	0.0123539	0.145026	0.842412	Present	Present	Absent	Present	Present
1.4824e-4	0.00996918	0.132074	0.857808	Present	Present	Absent	Present	Present
1.4814e-4	0.00994846	0.132802	0.857101	Present	Present	Absent	Present	Present
1.0569e-4	0.0080263	0.120805	0.871063	Present	Present	Absent	Present	Present
1.4882e-4	0.01005	0.131428	0.858373	Present	Present	Absent	Present	Present
1.0617e-4	0.00810813	0.119575	0.872211	Present	Present	Absent	Present	Present
1.0611e-4	0.0080913	0.120228	0.871575	Present	Present	Absent	Present	Present
7.57e-5	0.00652664	0.109275	0.884122	Present	Present	Absent	Present	Present
3.2399e-4	0.00332624	0.167604	0.828745	Present	Present	Absent	Present	Present
2.3116e-4	0.00270881	0.151583	0.845477	Present	Present	Absent	Present	Present
2.3101e-4	0.00270291	0.152357	0.844709	Present	Present	Absent	Present	Present
1.6482e-4	0.00219821	0.137756	0.859881	Present	Present	Absent	Present	Present
2.3206e-4	0.00273156	0.150945	0.846091	Present	Present	Absent	Present	Present
1.6556e-4	0.00222139	0.136485	0.861128	Present	Present	Absent	Present	Present
1.6546e-4	0.00221658	0.13718	0.860438	Present	Present	Absent	Present	Present
1.1805e-4	0.00180049	0.124008	0.874073	Present	Present	Absent	Present	Present
2.3763e-4	0.00274782	0.152533	0.844482	Present	Present	Absent	Present	Present
1.6954e-4	0.002235	0.13792	0.859676	Present	Present	Absent	Present	Present

1.6943e-4	0.00223016	0.138622	0.858978	Present	Present	Absent	Present	Present
1.2088e-4	0.00181179	0.125311	0.872756	Present	Present	Absent	Present	Present
1.702e-4	0.00225368	0.137343	0.860233	Present	Present	Absent	Present	Present
1.2143e-4	0.00183081	0.124159	0.873889	Present	Present	Absent	Present	Present
1.2135e-4	0.00182687	0.12479	0.873262	Present	Present	Absent	Present	Present
8.658e-5	0.00148255	0.112787	0.885644	Present	Present	Absent	Present	Present
2.867e-5	0.00293296	0.153426	0.843612	Present	Present	Absent	Present	Present
2.045e-5	0.00236489	0.138723	0.858892	Present	Present	Absent	Present	Present
2.044e-5	0.00236	0.13943	0.85819	Present	Present	Absent	Present	Present
1.458e-5	0.00190267	0.126038	0.872045	Present	Present	Absent	Present	Present
2.053e-5	0.002384	0.138143	0.859452	Present	Present	Absent	Present	Present
1.465e-5	0.00192201	0.124879	0.873184	Present	Present	Absent	Present	Present
1.464e-5	0.00191803	0.125514	0.872553	Present	Present	Absent	Present	Present
1.044e-5	0.00154616	0.113439	0.885005	Present	Present	Absent	Present	Present
2.103e-5	0.00240123	0.139595	0.857982	Present	Present	Absent	Present	Present
1.5e-5	0.00193593	0.126191	0.871858	Present	Present	Absent	Present	Present
1.499e-5	0.00193192	0.126833	0.87122	Present	Present	Absent	Present	Present
1.07e-5	0.00155739	0.11463	0.883802	Present	Present	Absent	Present	Present
1.506e-5	0.00195156	0.125667	0.872367	Present	Present	Absent	Present	Present
1.074e-5	0.00157321	0.113579	0.884837	Present	Present	Absent	Present	Present
1.074e-5	0.00156996	0.114155	0.884264	Present	Present	Absent	Present	Present
7.66e-6	0.00126546	0.103155	0.895571	Present	Present	Absent	Present	Present
0.00228245	0.0130242	0.158541	0.826152	Present	Present	Absent	Present	Present
0.00162844	0.0106998	0.144534	0.843137	Present	Present	Absent	Present	Present
0.00162739	0.0106755	0.14534	0.842357	Present	Present	Absent	Present	Present
0.00116108	0.00874791	0.132332	0.857759	Present	Present	Absent	Present	Present
0.00163477	0.0107927	0.143812	0.843761	Present	Present	Absent	Present	Present
0.00116635	0.00884294	0.130965	0.859025	Present	Present	Absent	Present	Present
0.0011656	0.0088231	0.131687	0.858324	Present	Present	Absent	Present	Present
8.3161e-4	0.00721347	0.119789	0.872166	Present	Present	Absent	Present	Present
0.00167405	0.010845	0.145354	0.842127	Present	Present	Absent	Present	Present
0.00119437	0.00888869	0.132366	0.857551	Present	Present	Absent	Present	Present
0.0011936	0.00886872	0.133095	0.856843	Present	Present	Absent	Present	Present
8.5159e-4	0.00725279	0.121066	0.870829	Present	Present	Absent	Present	Present
0.00119902	0.00896515	0.131719	0.858117	Present	Present	Absent	Present	Present
8.5545e-4	0.00733096	0.119834	0.871979	Present	Present	Absent	Present	Present
8.549e-4	0.00731467	0.120488	0.871342	Present	Present	Absent	Present	Present
6.0994e-4	0.00596998	0.109508	0.883912	Present	Present	Absent	Present	Present
2.0195e-4	0.0122172	0.146337	0.841244	Present	Present	Absent	Present	Present
1.4409e-4	0.00985849	0.133243	0.856755	Present	Present	Absent	Present	Present
1.4399e-4	0.009838	0.133976	0.856042	Present	Present	Absent	Present	Present
1.0273e-4	0.00793695	0.121853	0.870107	Present	Present	Absent	Present	Present
1.4465e-4	0.00993839	0.132593	0.857324	Present	Present	Absent	Present	Present
1.032e-4	0.00801787	0.120615	0.871264	Present	Present	Absent	Present	Present
1.0313e-4	0.00800122	0.121272	0.870623	Present	Present	Absent	Present	Present
7.358e-5	0.00645382	0.110209	0.883264	Present	Present	Absent	Present	Present
1.4812e-4	0.0100092	0.134011	0.855832	Present	Present	Absent	Present	Present
1.0568e-4	0.00807524	0.121902	0.869917	Present	Present	Absent	Present	Present
1.0561e-4	0.00805847	0.122566	0.86927	Present	Present	Absent	Present	Present
7.535e-5	0.00650016	0.111382	0.882043	Present	Present	Absent	Present	Present
1.0609e-4	0.00814063	0.121319	0.870434	Present	Present	Absent	Present	Present
7.569e-5	0.00656637	0.110265	0.883093	Present	Present	Absent	Present	Present
7.564e-5	0.00655275	0.11086	0.882511	Present	Present	Absent	Present	Present
5.397e-5	0.00528467	0.100671	0.89399	Present	Present	Absent	Present	Present
2.3097e-4	0.00272059	0.153719	0.843329	Present	Present	Absent	Present	Present
1.6479e-4	0.00221246	0.138987	0.858636	Present	Present	Absent	Present	Present
1.6468e-4	0.00220767	0.139695	0.857933	Present	Present	Absent	Present	Present
1.175e-4	0.00179324	0.126276	0.871813	Present	Present	Absent	Present	Present
1.6543e-4	0.00223094	0.138406	0.859198	Present	Present	Absent	Present	Present
1.1803e-4	0.00181205	0.125116	0.872954	Present	Present	Absent	Present	Present
1.1795e-4	0.00180815	0.125751	0.872322	Present	Present	Absent	Present	Present
8.416e-5	0.00146717	0.113652	0.884797	Present	Present	Absent	Present	Present
1.6941e-4	0.00224462	0.139861	0.857725	Present	Present	Absent	Present	Present
1.2086e-4	0.00182344	0.12643	0.871626	Present	Present	Absent	Present	Present
1.2079e-4	0.00181952	0.127072	0.870987	Present	Present	Absent	Present	Present

8.618e-5	0.00147658	0.114845	0.883592	Present	Present	Absent	Present	Present
1.2133e-4	0.00183861	0.125904	0.872136	Present	Present	Absent	Present	Present
8.657e-5	0.00149201	0.113793	0.884628	Present	Present	Absent	Present	Present
8.651e-5	0.00148881	0.11437	0.884054	Present	Present	Absent	Present	Present
6.172e-5	0.00120707	0.103349	0.895383	Present	Present	Absent	Present	Present
2.044e-5	0.00237432	0.140675	0.85693	Present	Present	Absent	Present	Present
1.458e-5	0.0019142	0.127163	0.870908	Present	Present	Absent	Present	Present
1.457e-5	0.00191024	0.127809	0.870266	Present	Present	Absent	Present	Present
1.04e-5	0.00153989	0.115508	0.882941	Present	Present	Absent	Present	Present
1.464e-5	0.00192966	0.126635	0.871421	Present	Present	Absent	Present	Present
1.044e-5	0.00155553	0.114451	0.883983	Present	Present	Absent	Present	Present
1.044e-5	0.00155232	0.115031	0.883406	Present	Present	Absent	Present	Present
7.45e-6	0.00125122	0.103944	0.894798	Present	Present	Absent	Present	Present
1.499e-5	0.00194364	0.127965	0.870076	Present	Present	Absent	Present	Present
1.069e-5	0.00156682	0.115652	0.88277	Present	Present	Absent	Present	Present
1.069e-5	0.00156358	0.116239	0.882187	Present	Present	Absent	Present	Present
7.62e-6	0.00126032	0.105035	0.893697	Present	Present	Absent	Present	Present
1.074e-5	0.00157947	0.115174	0.883236	Present	Present	Absent	Present	Present
7.66e-6	0.00127312	0.104075	0.894644	Present	Present	Absent	Present	Present
7.65e-6	0.00127049	0.104602	0.89412	Present	Present	Absent	Present	Present
5.46e-6	0.00102398	0.0945061	0.904464	Present	Present	Absent	Present	Present
8.0388e-4	0.0286663	0.200471	0.770059	Present	Present	Present	Absent	Absent
5.7354e-4	0.0231623	0.183739	0.792525	Present	Present	Present	Absent	Absent
5.7317e-4	0.0231138	0.18482	0.791493	Present	Present	Present	Absent	Absent
4.0893e-4	0.018669	0.169058	0.811864	Present	Present	Present	Absent	Absent
5.7577e-4	0.023351	0.182724	0.793349	Present	Present	Present	Absent	Absent
4.1079e-4	0.0188603	0.16719	0.813539	Present	Present	Present	Absent	Absent
4.1052e-4	0.0188209	0.168157	0.812612	Present	Present	Present	Absent	Absent
2.9289e-4	0.0151964	0.153591	0.83092	Present	Present	Present	Absent	Absent
5.896e-4	0.0235135	0.184709	0.791188	Present	Present	Present	Absent	Absent
4.2066e-4	0.0189924	0.168998	0.811589	Present	Present	Present	Absent	Absent
4.2038e-4	0.0189528	0.169975	0.810652	Present	Present	Present	Absent	Absent
2.9993e-4	0.0153036	0.155245	0.829152	Present	Present	Present	Absent	Absent
4.2229e-4	0.019147	0.168093	0.812338	Present	Present	Present	Absent	Absent
3.0129e-4	0.0154601	0.153566	0.830673	Present	Present	Present	Absent	Absent
3.011e-4	0.0154279	0.154441	0.82983	Present	Present	Present	Absent	Absent
2.1482e-4	0.0124536	0.140875	0.846456	Present	Present	Present	Absent	Absent
7.113e-5	0.0238396	0.186069	0.790021	Present	Present	Present	Absent	Absent
5.075e-5	0.0192074	0.170206	0.810536	Present	Present	Present	Absent	Absent
5.071e-5	0.0191678	0.171188	0.809594	Present	Present	Present	Absent	Absent
3.618e-5	0.0154428	0.156325	0.828197	Present	Present	Present	Absent	Absent
5.094e-5	0.0193621	0.169298	0.811289	Present	Present	Present	Absent	Absent
3.635e-5	0.0155993	0.154638	0.829726	Present	Present	Present	Absent	Absent
3.632e-5	0.0155671	0.155517	0.828879	Present	Present	Present	Absent	Absent
2.592e-5	0.0125414	0.141835	0.845598	Present	Present	Present	Absent	Absent
5.217e-5	0.0195039	0.171129	0.809315	Present	Present	Present	Absent	Absent
3.722e-5	0.0157136	0.156304	0.827945	Present	Present	Present	Absent	Absent
3.72e-5	0.0156813	0.157192	0.82709	Present	Present	Present	Absent	Absent
2.654e-5	0.0126334	0.143357	0.843983	Present	Present	Present	Absent	Absent
3.736e-5	0.0158402	0.155493	0.828629	Present	Present	Present	Absent	Absent
2.666e-5	0.0127614	0.14184	0.845372	Present	Present	Present	Absent	Absent
2.664e-5	0.0127351	0.142635	0.844603	Present	Present	Present	Absent	Absent
1.901e-5	0.0102596	0.129936	0.859786	Present	Present	Present	Absent	Absent
8.135e-5	0.00560135	0.201539	0.792779	Present	Present	Present	Absent	Absent
5.804e-5	0.00451891	0.182399	0.813024	Present	Present	Present	Absent	Absent
5.8e-5	0.00450953	0.183338	0.812094	Present	Present	Present	Absent	Absent
4.138e-5	0.0036374	0.165868	0.830453	Present	Present	Present	Absent	Absent
5.826e-5	0.0045555	0.181619	0.813767	Present	Present	Present	Absent	Absent
4.157e-5	0.00367444	0.164322	0.831962	Present	Present	Present	Absent	Absent
4.154e-5	0.00366682	0.165165	0.831127	Present	Present	Present	Absent	Absent
2.964e-5	0.00295715	0.149387	0.847626	Present	Present	Present	Absent	Absent
5.966e-5	0.00458811	0.183533	0.81182	Present	Present	Present	Absent	Absent
4.257e-5	0.00370083	0.166052	0.830205	Present	Present	Present	Absent	Absent
4.254e-5	0.00369316	0.166904	0.82936	Present	Present	Present	Absent	Absent
3.035e-5	0.00297845	0.150959	0.846032	Present	Present	Present	Absent	Absent

4.273e-5	0.00373078	0.165347	0.83088	Present	Present	Present	Absent	Absent
3.049e-5	0.00300877	0.149558	0.847403	Present	Present	Present	Absent	Absent
3.047e-5	0.00300253	0.150323	0.846644	Present	Present	Present	Absent	Absent
2.174e-5	0.0024211	0.13593	0.861627	Present	Present	Present	Absent	Absent
7.2e-6	0.00460347	0.184622	0.810768	Present	Present	Present	Absent	Absent
5.14e-6	0.00370839	0.16703	0.829256	Present	Present	Present	Absent	Absent
5.13e-6	0.00370075	0.167887	0.828407	Present	Present	Present	Absent	Absent
3.66e-6	0.00298112	0.151844	0.845172	Present	Present	Present	Absent	Absent
5.16e-6	0.00373824	0.166322	0.829934	Present	Present	Present	Absent	Absent
3.68e-6	0.00301132	0.150435	0.84655	Present	Present	Present	Absent	Absent
3.68e-6	0.00300512	0.151204	0.845787	Present	Present	Present	Absent	Absent
2.62e-6	0.00242072	0.136723	0.860854	Present	Present	Present	Absent	Absent
5.28e-6	0.0037657	0.168073	0.828156	Present	Present	Present	Absent	Absent
3.77e-6	0.00303345	0.152018	0.844945	Present	Present	Present	Absent	Absent
3.76e-6	0.0030272	0.152795	0.844174	Present	Present	Present	Absent	Absent
2.69e-6	0.00243851	0.13816	0.859398	Present	Present	Present	Absent	Absent
3.78e-6	0.00305787	0.151377	0.845561	Present	Present	Present	Absent	Absent
2.7e-6	0.00246321	0.136884	0.86065	Present	Present	Present	Absent	Absent
2.7e-6	0.00245814	0.137582	0.859957	Present	Present	Present	Absent	Absent
1.92e-6	0.00198008	0.124379	0.873639	Present	Present	Present	Absent	Absent
5.7308e-4	0.0232564	0.18653	0.789641	Present	Present	Present	Absent	Absent
4.0887e-4	0.0187839	0.170614	0.810193	Present	Present	Present	Absent	Absent
4.0861e-4	0.0187446	0.171598	0.809249	Present	Present	Present	Absent	Absent
2.9153e-4	0.0151348	0.156688	0.827886	Present	Present	Present	Absent	Absent
4.1046e-4	0.0189367	0.169706	0.810947	Present	Present	Present	Absent	Absent
2.9285e-4	0.0152897	0.155	0.829418	Present	Present	Present	Absent	Absent
2.9266e-4	0.0152578	0.15588	0.828569	Present	Present	Present	Absent	Absent
2.088e-4	0.0123158	0.142157	0.845318	Present	Present	Present	Absent	Absent
4.2032e-4	0.0190694	0.17154	0.80897	Present	Present	Present	Absent	Absent
2.9989e-4	0.0153975	0.156669	0.827634	Present	Present	Present	Absent	Absent
2.9969e-4	0.0153654	0.157558	0.826777	Present	Present	Present	Absent	Absent
2.1382e-4	0.0124031	0.143682	0.843701	Present	Present	Present	Absent	Absent
3.0105e-4	0.0155226	0.155858	0.828319	Present	Present	Present	Absent	Absent
2.1479e-4	0.0125299	0.142163	0.845092	Present	Present	Present	Absent	Absent
2.1465e-4	0.0125038	0.14296	0.844322	Present	Present	Present	Absent	Absent
1.5314e-4	0.0100905	0.130225	0.859532	Present	Present	Present	Absent	Absent
5.071e-5	0.0192834	0.172764	0.807902	Present	Present	Present	Absent	Absent
3.618e-5	0.0155359	0.157758	0.82667	Present	Present	Present	Absent	Absent
3.615e-5	0.0155039	0.158652	0.825808	Present	Present	Present	Absent	Absent
2.579e-5	0.0124904	0.144657	0.842827	Present	Present	Present	Absent	Absent
3.632e-5	0.015661	0.156944	0.827359	Present	Present	Present	Absent	Absent
2.591e-5	0.012617	0.143131	0.844226	Present	Present	Present	Absent	Absent
2.589e-5	0.012591	0.143932	0.843452	Present	Present	Present	Absent	Absent
1.848e-5	0.0101434	0.131092	0.858747	Present	Present	Present	Absent	Absent
3.719e-5	0.0157758	0.158633	0.825554	Present	Present	Present	Absent	Absent
2.653e-5	0.0127096	0.144667	0.842597	Present	Present	Present	Absent	Absent
2.652e-5	0.0126834	0.145476	0.841814	Present	Present	Present	Absent	Absent
1.892e-5	0.0102179	0.132494	0.857269	Present	Present	Present	Absent	Absent
2.664e-5	0.0128119	0.143939	0.843223	Present	Present	Present	Absent	Absent
1.9e-5	0.0103214	0.13112	0.85854	Present	Present	Present	Absent	Absent
1.899e-5	0.0103001	0.131845	0.857836	Present	Present	Present	Absent	Absent
1.355e-5	0.00829766	0.119963	0.871726	Present	Present	Present	Absent	Absent
5.799e-5	0.00453702	0.18498	0.810425	Present	Present	Present	Absent	Absent
4.138e-5	0.00365953	0.167352	0.828947	Present	Present	Present	Absent	Absent
4.135e-5	0.00365194	0.168211	0.828096	Present	Present	Present	Absent	Absent
2.95e-5	0.00294515	0.152134	0.844891	Present	Present	Present	Absent	Absent
4.154e-5	0.00368914	0.166643	0.829626	Present	Present	Present	Absent	Absent
2.964e-5	0.00297512	0.150723	0.846272	Present	Present	Present	Absent	Absent
2.962e-5	0.00296896	0.151494	0.845508	Present	Present	Present	Absent	Absent
2.113e-5	0.00239398	0.136983	0.860602	Present	Present	Present	Absent	Absent
4.253e-5	0.00371564	0.168397	0.827845	Present	Present	Present	Absent	Absent
3.035e-5	0.00299656	0.152309	0.844665	Present	Present	Present	Absent	Absent
3.033e-5	0.00299035	0.153087	0.843892	Present	Present	Present	Absent	Absent
2.164e-5	0.00241127	0.138423	0.859144	Present	Present	Present	Absent	Absent
3.046e-5	0.00302079	0.151667	0.845282	Present	Present	Present	Absent	Absent

2.174e-5	0.0024358	0.137145	0.860398	Present	Present	Present	Absent	Absent
2.172e-5	0.00243076	0.137844	0.859703	Present	Present	Present	Absent	Absent
1.55e-5	0.00195977	0.124614	0.873411	Present	Present	Present	Absent	Absent
5.13e-6	0.00372304	0.169389	0.826882	Present	Present	Present	Absent	Absent
3.66e-6	0.00299908	0.153201	0.843796	Present	Present	Present	Absent	Absent
3.66e-6	0.0029929	0.153984	0.843019	Present	Present	Present	Absent	Absent
2.61e-6	0.00241088	0.13923	0.858356	Present	Present	Present	Absent	Absent
3.68e-6	0.00302322	0.152556	0.844417	Present	Present	Present	Absent	Absent
2.62e-6	0.0024353	0.137945	0.859617	Present	Present	Present	Absent	Absent
2.62e-6	0.00243028	0.138648	0.858919	Present	Present	Present	Absent	Absent
1.87e-6	0.00195763	0.125337	0.872703	Present	Present	Present	Absent	Absent
3.76e-6	0.00304544	0.154161	0.84279	Present	Present	Present	Absent	Absent
2.69e-6	0.0024532	0.139395	0.858149	Present	Present	Present	Absent	Absent
2.68e-6	0.00244815	0.140105	0.857444	Present	Present	Present	Absent	Absent
1.91e-6	0.00197203	0.126654	0.871372	Present	Present	Present	Absent	Absent
2.7e-6	0.00247294	0.138811	0.858713	Present	Present	Present	Absent	Absent
1.92e-6	0.001992	0.125489	0.872517	Present	Present	Present	Absent	Absent
1.92e-6	0.0019879	0.126127	0.871883	Present	Present	Present	Absent	Absent
1.37e-6	0.00160127	0.113997	0.8844	Present	Present	Present	Absent	Absent
5.7558e-4	0.0231096	0.184427	0.791888	Present	Present	Present	Absent	Absent
4.1066e-4	0.0186659	0.168703	0.812221	Present	Present	Present	Absent	Absent
4.1039e-4	0.0186269	0.169676	0.811287	Present	Present	Present	Absent	Absent
2.928e-4	0.0150402	0.154943	0.829724	Present	Present	Present	Absent	Absent
4.1226e-4	0.0188177	0.167803	0.812967	Present	Present	Present	Absent	Absent
2.9413e-4	0.015194	0.153272	0.83124	Present	Present	Present	Absent	Absent
2.9394e-4	0.0151624	0.154143	0.830401	Present	Present	Present	Absent	Absent
2.0971e-4	0.0122391	0.14058	0.846971	Present	Present	Present	Absent	Absent
4.2216e-4	0.0189495	0.169618	0.811011	Present	Present	Present	Absent	Absent
3.012e-4	0.0153011	0.154922	0.829475	Present	Present	Present	Absent	Absent
3.01e-4	0.0152692	0.155803	0.828627	Present	Present	Present	Absent	Absent
2.1475e-4	0.0123258	0.142089	0.84537	Present	Present	Present	Absent	Absent
3.0237e-4	0.0154255	0.154119	0.830153	Present	Present	Present	Absent	Absent
2.1573e-4	0.0124518	0.140585	0.846747	Present	Present	Present	Absent	Absent
2.1559e-4	0.0124258	0.141374	0.845985	Present	Present	Present	Absent	Absent
1.5381e-4	0.0100278	0.128786	0.861032	Present	Present	Present	Absent	Absent
5.093e-5	0.0191661	0.170829	0.809955	Present	Present	Present	Absent	Absent
3.634e-5	0.0154414	0.156	0.828522	Present	Present	Present	Absent	Absent
3.631e-5	0.0154096	0.156885	0.827669	Present	Present	Present	Absent	Absent
2.591e-5	0.0124145	0.143053	0.844506	Present	Present	Present	Absent	Absent
3.648e-5	0.0155658	0.155194	0.829203	Present	Present	Present	Absent	Absent
2.602e-5	0.0125403	0.141543	0.84589	Present	Present	Present	Absent	Absent
2.601e-5	0.0125145	0.142336	0.845124	Present	Present	Present	Absent	Absent
1.856e-5	0.0100818	0.129644	0.860255	Present	Present	Present	Absent	Absent
3.735e-5	0.0156799	0.156866	0.827417	Present	Present	Present	Absent	Absent
2.665e-5	0.0126323	0.143062	0.844279	Present	Present	Present	Absent	Absent
2.663e-5	0.0126063	0.143863	0.843504	Present	Present	Present	Absent	Absent
1.9e-5	0.0101558	0.131031	0.858794	Present	Present	Present	Absent	Absent
2.675e-5	0.012734	0.142342	0.844897	Present	Present	Present	Absent	Absent
1.909e-5	0.0102587	0.129671	0.860051	Present	Present	Present	Absent	Absent
1.908e-5	0.0102376	0.130388	0.859355	Present	Present	Present	Absent	Absent
1.361e-5	0.00824728	0.118643	0.873096	Present	Present	Present	Absent	Absent
5.825e-5	0.00450894	0.182982	0.81245	Present	Present	Present	Absent	Absent
4.156e-5	0.00363694	0.165547	0.830774	Present	Present	Present	Absent	Absent
4.153e-5	0.0036294	0.166396	0.829933	Present	Present	Present	Absent	Absent
2.963e-5	0.00292701	0.150495	0.846548	Present	Present	Present	Absent	Absent
4.172e-5	0.00366637	0.164845	0.831447	Present	Present	Present	Absent	Absent
2.976e-5	0.0029568	0.149099	0.847915	Present	Present	Present	Absent	Absent
2.975e-5	0.00295067	0.149861	0.847158	Present	Present	Present	Absent	Absent
2.122e-5	0.00237926	0.135509	0.862091	Present	Present	Present	Absent	Absent
4.272e-5	0.0036927	0.166581	0.829684	Present	Present	Present	Absent	Absent
3.048e-5	0.0029781	0.150668	0.846324	Present	Present	Present	Absent	Absent
3.046e-5	0.00297192	0.151438	0.84556	Present	Present	Present	Absent	Absent
2.173e-5	0.00239644	0.136933	0.860649	Present	Present	Present	Absent	Absent
3.06e-5	0.00300218	0.150033	0.846934	Present	Present	Present	Absent	Absent
2.183e-5	0.00242082	0.135668	0.861889	Present	Present	Present	Absent	Absent

2.182e-5	0.00241581	0.13636	0.861202	Present	Present	Present	Absent	Absent
1.557e-5	0.00194774	0.123274	0.874763	Present	Present	Present	Absent	Absent
5.15e-6	0.00370045	0.167562	0.828732	Present	Present	Present	Absent	Absent
3.68e-6	0.00298088	0.151551	0.845465	Present	Present	Present	Absent	Absent
3.67e-6	0.00297474	0.152325	0.844696	Present	Present	Present	Absent	Absent
2.62e-6	0.00239625	0.137731	0.85987	Present	Present	Present	Absent	Absent
3.69e-6	0.00300487	0.150912	0.846079	Present	Present	Present	Absent	Absent
2.63e-6	0.00242052	0.13646	0.861117	Present	Present	Present	Absent	Absent
2.63e-6	0.00241554	0.137155	0.860426	Present	Present	Present	Absent	Absent
1.88e-6	0.00194576	0.123989	0.874063	Present	Present	Present	Absent	Absent
3.78e-6	0.00302696	0.1525	0.844469	Present	Present	Present	Absent	Absent
2.7e-6	0.00243832	0.137894	0.859665	Present	Present	Present	Absent	Absent
2.7e-6	0.0024333	0.138597	0.858967	Present	Present	Present	Absent	Absent
1.92e-6	0.00196007	0.125292	0.872746	Present	Present	Present	Absent	Absent
2.71e-6	0.00245794	0.137317	0.860222	Present	Present	Present	Absent	Absent
1.93e-6	0.00197992	0.124139	0.873879	Present	Present	Present	Absent	Absent
1.93e-6	0.00197584	0.124771	0.873251	Present	Present	Present	Absent	Absent
1.38e-6	0.00159156	0.112772	0.885635	Present	Present	Present	Absent	Absent
4.1033e-4	0.0187415	0.171238	0.80961	Present	Present	Present	Absent	Absent
2.9276e-4	0.0151325	0.156363	0.828212	Present	Present	Present	Absent	Absent
2.9257e-4	0.0151009	0.157249	0.827357	Present	Present	Present	Absent	Absent
2.0874e-4	0.0121894	0.143377	0.844225	Present	Present	Present	Absent	Absent
2.939e-4	0.0152554	0.155556	0.828894	Present	Present	Present	Absent	Absent
2.0968e-4	0.012314	0.141865	0.845612	Present	Present	Present	Absent	Absent
2.0955e-4	0.0122884	0.142659	0.844844	Present	Present	Present	Absent	Absent
1.495e-4	0.00991655	0.129931	0.860003	Present	Present	Present	Absent	Absent
3.0096e-4	0.0153629	0.157231	0.827105	Present	Present	Present	Absent	Absent
2.1472e-4	0.0124013	0.143387	0.843997	Present	Present	Present	Absent	Absent
2.1458e-4	0.0123754	0.144189	0.843221	Present	Present	Present	Absent	Absent
1.531e-4	0.00998715	0.131321	0.858538	Present	Present	Present	Absent	Absent
2.1556e-4	0.0125019	0.142666	0.844617	Present	Present	Present	Absent	Absent
1.5379e-4	0.0100891	0.129959	0.859798	Present	Present	Present	Absent	Absent
1.5369e-4	0.0100681	0.130678	0.859101	Present	Present	Present	Absent	Absent
1.0965e-4	0.00812318	0.118901	0.872867	Present	Present	Present	Absent	Absent
3.631e-5	0.0155025	0.158323	0.826138	Present	Present	Present	Absent	Absent
2.59e-5	0.0124894	0.14436	0.843125	Present	Present	Present	Absent	Absent
2.589e-5	0.0124636	0.145166	0.842345	Present	Present	Present	Absent	Absent
1.847e-5	0.0100408	0.132193	0.857748	Present	Present	Present	Absent	Absent
2.6e-5	0.01259	0.143636	0.843748	Present	Present	Present	Absent	Absent
1.855e-5	0.0101426	0.130825	0.859014	Present	Present	Present	Absent	Absent
1.854e-5	0.0101217	0.131547	0.858313	Present	Present	Present	Absent	Absent
1.323e-5	0.00815389	0.119677	0.872156	Present	Present	Present	Absent	Absent
2.663e-5	0.0126823	0.145177	0.842114	Present	Present	Present	Absent	Absent
1.9e-5	0.010217	0.132224	0.85754	Present	Present	Present	Absent	Absent
1.899e-5	0.010196	0.132954	0.856831	Present	Present	Present	Absent	Absent
1.355e-5	0.00821376	0.120954	0.870819	Present	Present	Present	Absent	Absent
1.907e-5	0.0102993	0.131576	0.858106	Present	Present	Present	Absent	Absent
1.361e-5	0.00829698	0.119721	0.871969	Present	Present	Present	Absent	Absent
1.36e-5	0.00827989	0.120374	0.871332	Present	Present	Present	Absent	Absent
9.7e-6	0.00667003	0.109417	0.883903	Present	Present	Present	Absent	Absent
4.152e-5	0.00365149	0.167885	0.828422	Present	Present	Present	Absent	Absent
2.963e-5	0.0029448	0.15184	0.845185	Present	Present	Present	Absent	Absent
2.961e-5	0.0029387	0.152617	0.844415	Present	Present	Present	Absent	Absent
2.112e-5	0.0023696	0.137993	0.859616	Present	Present	Present	Absent	Absent
2.974e-5	0.00296862	0.151201	0.8458	Present	Present	Present	Absent	Absent
2.122e-5	0.00239371	0.136719	0.860866	Present	Present	Present	Absent	Absent
2.121e-5	0.00238875	0.137416	0.860174	Present	Present	Present	Absent	Absent
1.513e-5	0.00192589	0.124224	0.873835	Present	Present	Present	Absent	Absent
3.046e-5	0.00298999	0.152792	0.844188	Present	Present	Present	Absent	Absent
2.173e-5	0.002411	0.138157	0.859411	Present	Present	Present	Absent	Absent
2.171e-5	0.002406	0.138861	0.858711	Present	Present	Present	Absent	Absent
1.549e-5	0.00193984	0.125529	0.872515	Present	Present	Present	Absent	Absent
2.181e-5	0.00243048	0.137578	0.859969	Present	Present	Present	Absent	Absent
1.556e-5	0.00195956	0.124374	0.87365	Present	Present	Present	Absent	Absent
1.555e-5	0.0019555	0.125007	0.873022	Present	Present	Present	Absent	Absent

1.11e-5	0.00157643	0.112985	0.885428	Present	Present	Present	Absent	Absent
3.67e-6	0.00299266	0.153687	0.843317	Present	Present	Present	Absent	Absent
2.62e-6	0.00241068	0.138962	0.858625	Present	Present	Present	Absent	Absent
2.62e-6	0.00240572	0.13967	0.857922	Present	Present	Present	Absent	Absent
1.87e-6	0.00193785	0.126257	0.871803	Present	Present	Present	Absent	Absent
2.63e-6	0.00243009	0.138381	0.859186	Present	Present	Present	Absent	Absent
1.88e-6	0.00195748	0.125096	0.872944	Present	Present	Present	Absent	Absent
1.88e-6	0.00195345	0.125732	0.872312	Present	Present	Present	Absent	Absent
1.34e-6	0.00157352	0.113638	0.884787	Present	Present	Present	Absent	Absent
2.69e-6	0.00244795	0.139835	0.857714	Present	Present	Present	Absent	Absent
1.92e-6	0.00197187	0.126411	0.871616	Present	Present	Present	Absent	Absent
1.92e-6	0.00196781	0.127053	0.870977	Present	Present	Present	Absent	Absent
1.37e-6	0.00158509	0.114831	0.883583	Present	Present	Present	Absent	Absent
1.93e-6	0.00198774	0.125885	0.872126	Present	Present	Present	Absent	Absent
1.38e-6	0.00160114	0.113778	0.884619	Present	Present	Present	Absent	Absent
1.38e-6	0.00159785	0.114356	0.884045	Present	Present	Present	Absent	Absent
9.8e-7	0.00128706	0.103338	0.895374	Present	Present	Present	Absent	Absent
5.689e-4	0.0233413	0.186295	0.789795	Present	Present	Present	Absent	Present
4.0589e-4	0.0188519	0.17041	0.810332	Present	Present	Present	Absent	Present
4.0563e-4	0.0188125	0.171393	0.809389	Present	Present	Present	Absent	Present
2.894e-4	0.0151892	0.156509	0.828012	Present	Present	Present	Absent	Present
4.0747e-4	0.0190052	0.169501	0.811086	Present	Present	Present	Absent	Present
2.9071e-4	0.0153446	0.154822	0.829543	Present	Present	Present	Absent	Present
2.9052e-4	0.0153126	0.155702	0.828695	Present	Present	Present	Absent	Present
2.0728e-4	0.0123598	0.142001	0.845432	Present	Present	Present	Absent	Present
4.1725e-4	0.0191385	0.171334	0.80911	Present	Present	Present	Absent	Present
2.977e-4	0.0154528	0.156489	0.827761	Present	Present	Present	Absent	Present
2.975e-4	0.0154206	0.157378	0.826904	Present	Present	Present	Absent	Present
2.1226e-4	0.0124474	0.143525	0.843816	Present	Present	Present	Absent	Present
2.9885e-4	0.0155784	0.155678	0.828445	Present	Present	Present	Absent	Present
2.1322e-4	0.0125746	0.142006	0.845206	Present	Present	Present	Absent	Present
2.1308e-4	0.0125484	0.142803	0.844436	Present	Present	Present	Absent	Present
1.5203e-4	0.0101263	0.130087	0.859635	Present	Present	Present	Absent	Present
5.034e-5	0.0193493	0.172557	0.808043	Present	Present	Present	Absent	Present
3.591e-5	0.0155889	0.157577	0.826798	Present	Present	Present	Absent	Present
3.589e-5	0.0155568	0.158471	0.825936	Present	Present	Present	Absent	Present
2.561e-5	0.012533	0.144499	0.842942	Present	Present	Present	Absent	Present
3.605e-5	0.0157144	0.156764	0.827486	Present	Present	Present	Absent	Present
2.572e-5	0.01266	0.142974	0.844341	Present	Present	Present	Absent	Present
2.571e-5	0.0126339	0.143774	0.843566	Present	Present	Present	Absent	Present
1.834e-5	0.010178	0.130954	0.85885	Present	Present	Present	Absent	Present
3.692e-5	0.0158297	0.158452	0.825682	Present	Present	Present	Absent	Present
2.634e-5	0.0127529	0.144508	0.842713	Present	Present	Present	Absent	Present
2.632e-5	0.0127266	0.145317	0.84193	Present	Present	Present	Absent	Present
1.878e-5	0.0102527	0.132354	0.857374	Present	Present	Present	Absent	Present
2.644e-5	0.0128556	0.14378	0.843338	Present	Present	Present	Absent	Present
1.887e-5	0.0103566	0.130981	0.858644	Present	Present	Present	Absent	Present
1.885e-5	0.0103352	0.131705	0.857941	Present	Present	Present	Absent	Present
1.345e-5	0.00832592	0.119841	0.87182	Present	Present	Present	Absent	Present
5.757e-5	0.00455301	0.184825	0.810564	Present	Present	Present	Absent	Present
4.107e-5	0.00367237	0.167214	0.829072	Present	Present	Present	Absent	Present
4.105e-5	0.00366476	0.168072	0.828222	Present	Present	Present	Absent	Present
2.929e-5	0.00295544	0.15201	0.845005	Present	Present	Present	Absent	Present
4.123e-5	0.00370208	0.166505	0.829752	Present	Present	Present	Absent	Present
2.942e-5	0.00298552	0.1506	0.846385	Present	Present	Present	Absent	Present
2.94e-5	0.00297933	0.15137	0.845621	Present	Present	Present	Absent	Present
2.098e-5	0.00240231	0.136873	0.860704	Present	Present	Present	Absent	Present
4.222e-5	0.00372868	0.168258	0.827971	Present	Present	Present	Absent	Present
3.013e-5	0.00300703	0.152184	0.844778	Present	Present	Present	Absent	Present
3.011e-5	0.0030008	0.152963	0.844006	Present	Present	Present	Absent	Present
2.148e-5	0.00241967	0.138312	0.859247	Present	Present	Present	Absent	Present
3.024e-5	0.00303134	0.151543	0.845395	Present	Present	Present	Absent	Present
2.158e-5	0.00244429	0.137034	0.8605	Present	Present	Present	Absent	Present
2.156e-5	0.00243922	0.137733	0.859806	Present	Present	Present	Absent	Present
1.538e-5	0.00196658	0.124514	0.873504	Present	Present	Present	Absent	Present

5.09e-6	0.00373571	0.16925	0.827009	Present	Present	Present	Absent	Present
3.63e-6	0.00300928	0.153076	0.843911	Present	Present	Present	Absent	Present
3.63e-6	0.00300308	0.153859	0.843135	Present	Present	Present	Absent	Present
2.59e-6	0.00241907	0.139118	0.85846	Present	Present	Present	Absent	Present
3.65e-6	0.0030335	0.152432	0.844531	Present	Present	Present	Absent	Present
2.6e-6	0.00244357	0.137833	0.859721	Present	Present	Present	Absent	Present
2.6e-6	0.00243854	0.138536	0.859023	Present	Present	Present	Absent	Present
1.86e-6	0.00196429	0.125237	0.872796	Present	Present	Present	Absent	Present
3.74e-6	0.0030558	0.154035	0.842905	Present	Present	Present	Absent	Present
2.67e-6	0.00246154	0.139282	0.858253	Present	Present	Present	Absent	Present
2.66e-6	0.00245647	0.139992	0.857548	Present	Present	Present	Absent	Present
1.9e-6	0.00197873	0.126553	0.871466	Present	Present	Present	Absent	Present
2.68e-6	0.00248135	0.138699	0.858817	Present	Present	Present	Absent	Present
1.91e-6	0.00199877	0.125389	0.872611	Present	Present	Present	Absent	Present
1.91e-6	0.00199465	0.126027	0.871977	Present	Present	Present	Absent	Present
1.36e-6	0.00160671	0.113907	0.884485	Present	Present	Present	Absent	Present
4.0557e-4	0.0189282	0.172971	0.807696	Present	Present	Present	Absent	Present
2.8936e-4	0.0152824	0.157944	0.826484	Present	Present	Present	Absent	Present
2.8917e-4	0.0152505	0.158839	0.825621	Present	Present	Present	Absent	Present
2.0631e-4	0.0123097	0.144826	0.842658	Present	Present	Present	Absent	Present
2.9048e-4	0.0154065	0.157129	0.827173	Present	Present	Present	Absent	Present
2.0725e-4	0.0124354	0.143299	0.844059	Present	Present	Present	Absent	Present
2.0711e-4	0.0124095	0.1441	0.843283	Present	Present	Present	Absent	Present
1.4777e-4	0.0100139	0.131244	0.858595	Present	Present	Present	Absent	Present
2.9746e-4	0.0155152	0.158821	0.825366	Present	Present	Present	Absent	Present
2.1223e-4	0.0125236	0.144836	0.842428	Present	Present	Present	Absent	Present
2.1209e-4	0.0124975	0.145646	0.841644	Present	Present	Present	Absent	Present
1.5132e-4	0.0100853	0.132648	0.857116	Present	Present	Present	Absent	Present
2.1305e-4	0.0126252	0.144108	0.843054	Present	Present	Present	Absent	Present
1.52e-4	0.0101882	0.131272	0.858388	Present	Present	Present	Absent	Present
1.5191e-4	0.010167	0.131997	0.857683	Present	Present	Present	Absent	Present
1.0838e-4	0.00820267	0.120101	0.871588	Present	Present	Present	Absent	Present
3.588e-5	0.0156506	0.159924	0.82439	Present	Present	Present	Absent	Present
2.56e-5	0.0126086	0.145819	0.841547	Present	Present	Present	Absent	Present
2.559e-5	0.0125826	0.146633	0.840759	Present	Present	Present	Absent	Present
1.825e-5	0.0101366	0.133528	0.856317	Present	Present	Present	Absent	Present
2.57e-5	0.0127101	0.145087	0.842177	Present	Present	Present	Absent	Present
1.834e-5	0.0102393	0.132146	0.857596	Present	Present	Present	Absent	Present
1.833e-5	0.0102182	0.132875	0.856888	Present	Present	Present	Absent	Present
1.307e-5	0.00823163	0.120885	0.87087	Present	Present	Present	Absent	Present
2.632e-5	0.0128033	0.146644	0.840526	Present	Present	Present	Absent	Present
1.878e-5	0.0103145	0.13356	0.856107	Present	Present	Present	Absent	Present
1.877e-5	0.0102932	0.134297	0.855391	Present	Present	Present	Absent	Present
1.339e-5	0.00829208	0.122175	0.86952	Present	Present	Present	Absent	Present
1.885e-5	0.0103975	0.132905	0.856679	Present	Present	Present	Absent	Present
1.345e-5	0.00837609	0.120929	0.870682	Present	Present	Present	Absent	Present
1.344e-5	0.00835883	0.121589	0.870038	Present	Present	Present	Absent	Present
9.59e-6	0.0067336	0.110521	0.882736	Present	Present	Present	Absent	Present
4.104e-5	0.00368706	0.169576	0.826696	Present	Present	Present	Absent	Present
2.928e-5	0.0029734	0.153369	0.843628	Present	Present	Present	Absent	Present
2.926e-5	0.00296724	0.154153	0.842851	Present	Present	Present	Absent	Present
2.088e-5	0.00239256	0.139382	0.858204	Present	Present	Present	Absent	Present
2.94e-5	0.00299744	0.152724	0.844249	Present	Present	Present	Absent	Present
2.097e-5	0.0024169	0.138095	0.859467	Present	Present	Present	Absent	Present
2.096e-5	0.00241189	0.1388	0.858768	Present	Present	Present	Absent	Present
1.495e-5	0.00194451	0.125474	0.872566	Present	Present	Present	Absent	Present
3.01e-5	0.00301904	0.15433	0.842621	Present	Present	Present	Absent	Present
2.148e-5	0.00243436	0.139547	0.857997	Present	Present	Present	Absent	Present
2.146e-5	0.00242932	0.140259	0.857291	Present	Present	Present	Absent	Present
1.531e-5	0.00195859	0.126793	0.871234	Present	Present	Present	Absent	Present
2.156e-5	0.00245403	0.138963	0.858561	Present	Present	Present	Absent	Present
1.538e-5	0.0019785	0.125626	0.87238	Present	Present	Present	Absent	Present
1.537e-5	0.00197441	0.126265	0.871745	Present	Present	Present	Absent	Present
1.097e-5	0.00159164	0.114122	0.884276	Present	Present	Present	Absent	Present
3.63e-6	0.00302117	0.155234	0.841741	Present	Present	Present	Absent	Present

2.59e-6	0.00243364	0.140361	0.857203	Present	Present	Present	Absent	Present
2.59e-6	0.00242863	0.141076	0.856493	Present	Present	Present	Absent	Present
1.85e-6	0.0019563	0.127528	0.870514	Present	Present	Present	Absent	Present
2.6e-6	0.00245323	0.139774	0.857771	Present	Present	Present	Absent	Present
1.86e-6	0.00197611	0.126355	0.871666	Present	Present	Present	Absent	Present
1.85e-6	0.00197205	0.126998	0.871028	Present	Present	Present	Absent	Present
1.32e-6	0.00158849	0.114781	0.883629	Present	Present	Present	Absent	Present
2.66e-6	0.00247126	0.141243	0.856283	Present	Present	Present	Absent	Present
1.9e-6	0.00199065	0.127683	0.870324	Present	Present	Present	Absent	Present
1.9e-6	0.00198655	0.128332	0.869679	Present	Present	Present	Absent	Present
1.35e-6	0.00160018	0.115987	0.882412	Present	Present	Present	Absent	Present
1.91e-6	0.00200667	0.127152	0.87084	Present	Present	Present	Absent	Present
1.36e-6	0.00161638	0.114923	0.883459	Present	Present	Present	Absent	Present
1.36e-6	0.00161305	0.115507	0.882879	Present	Present	Present	Absent	Present
9.7e-7	0.00129931	0.104378	0.894322	Present	Present	Present	Absent	Present
4.0734e-4	0.0188093	0.171033	0.80975	Present	Present	Present	Absent	Present
2.9062e-4	0.0151868	0.156185	0.828338	Present	Present	Present	Absent	Present
2.9043e-4	0.0151552	0.15707	0.827484	Present	Present	Present	Absent	Present
2.0721e-4	0.012233	0.143221	0.844339	Present	Present	Present	Absent	Present
2.9175e-4	0.0153102	0.155378	0.82902	Present	Present	Present	Absent	Present
2.0815e-4	0.012358	0.141709	0.845725	Present	Present	Present	Absent	Present
2.0802e-4	0.0123322	0.142502	0.844957	Present	Present	Present	Absent	Present
1.4841e-4	0.00995174	0.129794	0.860105	Present	Present	Present	Absent	Present
2.9876e-4	0.0154182	0.157051	0.827232	Present	Present	Present	Absent	Present
2.1315e-4	0.0124456	0.14323	0.844111	Present	Present	Present	Absent	Present
2.1302e-4	0.0124197	0.144031	0.843336	Present	Present	Present	Absent	Present
1.5198e-4	0.0100226	0.131183	0.858642	Present	Present	Present	Absent	Present
2.1398e-4	0.0125466	0.142509	0.844731	Present	Present	Present	Absent	Present
1.5267e-4	0.0101249	0.129822	0.859901	Present	Present	Present	Absent	Present
1.5257e-4	0.0101039	0.13054	0.859204	Present	Present	Present	Absent	Present
1.0885e-4	0.00815187	0.118779	0.87296	Present	Present	Present	Absent	Present
3.604e-5	0.0155554	0.158143	0.826266	Present	Present	Present	Absent	Present
2.571e-5	0.012532	0.144202	0.84324	Present	Present	Present	Absent	Present
2.57e-5	0.0125061	0.145008	0.84246	Present	Present	Present	Absent	Present
1.833e-5	0.010075	0.132054	0.857852	Present	Present	Present	Absent	Present
2.581e-5	0.0126329	0.143478	0.843863	Present	Present	Present	Absent	Present
1.842e-5	0.0101771	0.130687	0.859118	Present	Present	Present	Absent	Present
1.841e-5	0.0101562	0.131408	0.858417	Present	Present	Present	Absent	Present
1.313e-5	0.00818165	0.119555	0.87225	Present	Present	Present	Absent	Present
2.643e-5	0.0127255	0.145018	0.84223	Present	Present	Present	Absent	Present
1.886e-5	0.0102518	0.132085	0.857644	Present	Present	Present	Absent	Present
1.885e-5	0.0102307	0.132814	0.856936	Present	Present	Present	Absent	Present
1.345e-5	0.00824173	0.120831	0.870914	Present	Present	Present	Absent	Present
1.893e-5	0.0103344	0.131437	0.85821	Present	Present	Present	Absent	Present
1.351e-5	0.00832523	0.119598	0.872063	Present	Present	Present	Absent	Present
1.35e-5	0.00830808	0.120252	0.871427	Present	Present	Present	Absent	Present
9.63e-6	0.00669272	0.109309	0.883988	Present	Present	Present	Absent	Present
4.122e-5	0.00366431	0.167747	0.828548	Present	Present	Present	Absent	Present
2.941e-5	0.00295509	0.151717	0.845299	Present	Present	Present	Absent	Present
2.939e-5	0.00294897	0.152492	0.844529	Present	Present	Present	Absent	Present
2.097e-5	0.00237786	0.137882	0.859719	Present	Present	Present	Absent	Present
2.952e-5	0.00297898	0.151078	0.845914	Present	Present	Present	Absent	Present
2.106e-5	0.00240204	0.136609	0.860968	Present	Present	Present	Absent	Present
2.105e-5	0.00239707	0.137305	0.860277	Present	Present	Present	Absent	Present
1.502e-5	0.00193258	0.124125	0.873928	Present	Present	Present	Absent	Present
3.023e-5	0.00300045	0.152667	0.844302	Present	Present	Present	Absent	Present
2.157e-5	0.00241939	0.138045	0.859514	Present	Present	Present	Absent	Present
2.156e-5	0.00241439	0.138749	0.858815	Present	Present	Present	Absent	Present
1.538e-5	0.00194657	0.125429	0.872609	Present	Present	Present	Absent	Present
2.165e-5	0.00243895	0.137467	0.860072	Present	Present	Present	Absent	Present
1.545e-5	0.00196636	0.124275	0.873743	Present	Present	Present	Absent	Present
1.544e-5	0.00196229	0.124907	0.873115	Present	Present	Present	Absent	Present
1.102e-5	0.00158189	0.112895	0.885512	Present	Present	Present	Absent	Present
3.65e-6	0.00300284	0.153562	0.843432	Present	Present	Present	Absent	Present
2.6e-6	0.00241888	0.13885	0.858729	Present	Present	Present	Absent	Present

2.6e-6	0.0024139	0.139557	0.858026	Present	Present	Present	Absent	Present
1.86e-6	0.00194444	0.126157	0.871897	Present	Present	Present	Absent	Present
2.61e-6	0.00243835	0.138269	0.85929	Present	Present	Present	Absent	Present
1.86e-6	0.00196413	0.124996	0.873038	Present	Present	Present	Absent	Present
1.86e-6	0.00196008	0.125632	0.872406	Present	Present	Present	Absent	Present
1.33e-6	0.00157886	0.113548	0.884872	Present	Present	Present	Absent	Present
2.68e-6	0.00245627	0.139723	0.857818	Present	Present	Present	Absent	Present
1.91e-6	0.00197857	0.12631	0.87171	Present	Present	Present	Absent	Present
1.91e-6	0.0019745	0.126952	0.871072	Present	Present	Present	Absent	Present
1.36e-6	0.00159047	0.11474	0.883668	Present	Present	Present	Absent	Present
1.92e-6	0.0019945	0.125784	0.872219	Present	Present	Present	Absent	Present
1.37e-6	0.00160658	0.113688	0.884704	Present	Present	Present	Absent	Present
1.37e-6	0.00160327	0.114265	0.88413	Present	Present	Present	Absent	Present
9.7e-7	0.00129143	0.103257	0.895451	Present	Present	Present	Absent	Present
2.9039e-4	0.0152481	0.15851	0.825952	Present	Present	Present	Absent	Present
2.0718e-4	0.0123078	0.144529	0.842956	Present	Present	Present	Absent	Present
2.0705e-4	0.0122822	0.145336	0.842175	Present	Present	Present	Absent	Present
1.4772e-4	0.00991138	0.132346	0.857595	Present	Present	Present	Absent	Present
2.0799e-4	0.0124077	0.143804	0.84358	Present	Present	Present	Absent	Present
1.4839e-4	0.0100125	0.130976	0.858863	Present	Present	Present	Absent	Present
1.483e-4	0.00999171	0.131699	0.858161	Present	Present	Present	Absent	Present
1.058e-4	0.00806115	0.119815	0.872019	Present	Present	Present	Absent	Present
2.1298e-4	0.0124957	0.145347	0.841945	Present	Present	Present	Absent	Present
1.5196e-4	0.0100838	0.132378	0.857387	Present	Present	Present	Absent	Present
1.5186e-4	0.0100629	0.133108	0.856677	Present	Present	Present	Absent	Present
1.0834e-4	0.0081188	0.121093	0.87068	Present	Present	Present	Absent	Present
1.5255e-4	0.0101656	0.131729	0.857953	Present	Present	Present	Absent	Present
1.0884e-4	0.00820158	0.119858	0.871831	Present	Present	Present	Absent	Present
1.0877e-4	0.00818455	0.120513	0.871194	Present	Present	Present	Absent	Present
7.76e-5	0.00660199	0.109542	0.883778	Present	Present	Present	Absent	Present
2.569e-5	0.0125815	0.146332	0.841061	Present	Present	Present	Absent	Present
1.833e-5	0.0101358	0.133256	0.856589	Present	Present	Present	Absent	Present
1.832e-5	0.0101149	0.133991	0.855876	Present	Present	Present	Absent	Present
1.307e-5	0.0081484	0.121881	0.869957	Present	Present	Present	Absent	Present
1.84e-5	0.0102174	0.132605	0.857159	Present	Present	Present	Absent	Present
1.313e-5	0.00823095	0.120641	0.871115	Present	Present	Present	Absent	Present
1.312e-5	0.008214	0.121299	0.870474	Present	Present	Present	Absent	Present
9.36e-6	0.00661691	0.110245	0.883129	Present	Present	Present	Absent	Present
1.884e-5	0.0102924	0.134023	0.855665	Present	Present	Present	Absent	Present
1.345e-5	0.0082914	0.121928	0.869767	Present	Present	Present	Absent	Present
1.344e-5	0.00827432	0.122593	0.869119	Present	Present	Present	Absent	Present
9.59e-6	0.00666552	0.111418	0.881907	Present	Present	Present	Absent	Present
1.35e-5	0.00835815	0.121344	0.870284	Present	Present	Present	Absent	Present
9.63e-6	0.00673305	0.110299	0.882958	Present	Present	Present	Absent	Present
9.62e-6	0.00671918	0.110895	0.882376	Present	Present	Present	Absent	Present
6.87e-6	0.00541264	0.100713	0.893868	Present	Present	Present	Absent	Present
2.939e-5	0.00296689	0.153855	0.843148	Present	Present	Present	Absent	Present
2.097e-5	0.00239229	0.139114	0.858473	Present	Present	Present	Absent	Present
2.095e-5	0.00238734	0.139823	0.857769	Present	Present	Present	Absent	Present
1.495e-5	0.00192473	0.126395	0.871665	Present	Present	Present	Absent	Present
2.105e-5	0.00241162	0.138532	0.859035	Present	Present	Present	Absent	Present
1.502e-5	0.0019443	0.125233	0.872808	Present	Present	Present	Absent	Present
1.501e-5	0.00194028	0.12587	0.872175	Present	Present	Present	Absent	Present
1.071e-5	0.00156412	0.113761	0.884664	Present	Present	Present	Absent	Present
2.155e-5	0.00242904	0.139988	0.857561	Present	Present	Present	Absent	Present
1.538e-5	0.00195838	0.126549	0.871477	Present	Present	Present	Absent	Present
1.537e-5	0.00195433	0.127192	0.870838	Present	Present	Present	Absent	Present
1.096e-5	0.00157547	0.114956	0.883457	Present	Present	Present	Absent	Present
1.544e-5	0.0019742	0.126022	0.871988	Present	Present	Present	Absent	Present
1.101e-5	0.00159147	0.113903	0.884495	Present	Present	Present	Absent	Present
1.101e-5	0.00158818	0.11448	0.883921	Present	Present	Present	Absent	Present
7.85e-6	0.00128016	0.10345	0.895262	Present	Present	Present	Absent	Present
2.6e-6	0.00242844	0.140804	0.856765	Present	Present	Present	Absent	Present
1.86e-6	0.00195615	0.127283	0.870759	Present	Present	Present	Absent	Present
1.85e-6	0.00195212	0.12793	0.870116	Present	Present	Present	Absent	Present

1.32e-6	0.00157244	0.11562	0.882806	Present	Present	Present	Absent	Present
1.86e-6	0.00197189	0.126754	0.871273	Present	Present	Present	Absent	Present
1.33e-6	0.00158837	0.114561	0.883849	Present	Present	Present	Absent	Present
1.33e-6	0.0015851	0.115142	0.883272	Present	Present	Present	Absent	Present
9.5e-7	0.00127679	0.104046	0.894676	Present	Present	Present	Absent	Present
1.91e-6	0.00198639	0.128085	0.869926	Present	Present	Present	Absent	Present
1.36e-6	0.00160005	0.115764	0.882635	Present	Present	Present	Absent	Present
1.36e-6	0.00159676	0.116351	0.882051	Present	Present	Present	Absent	Present
9.7e-7	0.00128618	0.105138	0.893575	Present	Present	Present	Absent	Present
1.37e-6	0.00161293	0.115285	0.883101	Present	Present	Present	Absent	Present
9.7e-7	0.00129921	0.104178	0.894522	Present	Present	Present	Absent	Present
9.7e-7	0.00129653	0.104705	0.893998	Present	Present	Present	Absent	Present
6.9e-7	0.00104434	0.0946008	0.904354	Present	Present	Present	Absent	Present
5.706e-4	0.0230482	0.183032	0.793349	Present	Present	Present	Present	Absent
4.071e-4	0.0186159	0.167438	0.813539	Present	Present	Present	Present	Absent
4.0684e-4	0.018577	0.168404	0.812612	Present	Present	Present	Present	Absent
2.9026e-4	0.0149997	0.15379	0.83092	Present	Present	Present	Present	Absent
4.0868e-4	0.0187673	0.166544	0.81428	Present	Present	Present	Present	Absent
2.9158e-4	0.0151532	0.15213	0.832425	Present	Present	Present	Present	Absent
2.9139e-4	0.0151216	0.152995	0.831591	Present	Present	Present	Present	Absent
2.079e-4	0.012206	0.139541	0.848045	Present	Present	Present	Present	Absent
4.185e-4	0.0188989	0.168345	0.812338	Present	Present	Present	Present	Absent
2.9859e-4	0.01526	0.153769	0.830673	Present	Present	Present	Present	Absent
2.9839e-4	0.0152282	0.154643	0.82983	Present	Present	Present	Present	Absent
2.1289e-4	0.0122925	0.141039	0.846456	Present	Present	Present	Present	Absent
2.9975e-4	0.015384	0.152971	0.831345	Present	Present	Present	Present	Absent
2.1386e-4	0.0124181	0.139545	0.847823	Present	Present	Present	Present	Absent
2.1372e-4	0.0123922	0.140328	0.847066	Present	Present	Present	Present	Absent
1.5248e-4	0.0100006	0.127839	0.862008	Present	Present	Present	Present	Absent
5.049e-5	0.0191127	0.169548	0.811289	Present	Present	Present	Present	Absent
3.602e-5	0.0153983	0.15484	0.829726	Present	Present	Present	Present	Absent
3.6e-5	0.0153666	0.155718	0.828879	Present	Present	Present	Present	Absent
2.568e-5	0.0123799	0.141997	0.845598	Present	Present	Present	Present	Absent
3.616e-5	0.0155224	0.154039	0.830403	Present	Present	Present	Present	Absent
2.58e-5	0.0125053	0.140496	0.846973	Present	Present	Present	Present	Absent
2.578e-5	0.0124796	0.141283	0.846211	Present	Present	Present	Present	Absent
1.839e-5	0.0100536	0.128691	0.861237	Present	Present	Present	Present	Absent
3.703e-5	0.0156362	0.155698	0.828629	Present	Present	Present	Present	Absent
2.642e-5	0.0125971	0.142004	0.845372	Present	Present	Present	Present	Absent
2.64e-5	0.0125711	0.142799	0.844603	Present	Present	Present	Present	Absent
1.884e-5	0.0101274	0.130068	0.859786	Present	Present	Present	Present	Absent
2.652e-5	0.0126985	0.141289	0.845986	Present	Present	Present	Present	Absent
1.892e-5	0.01023	0.128717	0.861034	Present	Present	Present	Present	Absent
1.891e-5	0.010209	0.12943	0.860343	Present	Present	Present	Present	Absent
1.349e-5	0.00822423	0.117775	0.873987	Present	Present	Present	Present	Absent
5.774e-5	0.00449664	0.181678	0.813767	Present	Present	Present	Present	Absent
4.12e-5	0.00362699	0.164369	0.831962	Present	Present	Present	Present	Absent
4.117e-5	0.00361947	0.165213	0.831127	Present	Present	Present	Present	Absent
2.937e-5	0.00291897	0.149426	0.847626	Present	Present	Present	Present	Absent
4.136e-5	0.00365633	0.163672	0.83263	Present	Present	Present	Present	Absent
2.951e-5	0.00294868	0.14804	0.848982	Present	Present	Present	Present	Absent
2.949e-5	0.00294257	0.148797	0.848231	Present	Present	Present	Present	Absent
2.104e-5	0.00237271	0.134547	0.863059	Present	Present	Present	Present	Absent
4.235e-5	0.00368259	0.165395	0.83088	Present	Present	Present	Present	Absent
3.022e-5	0.00296992	0.149597	0.847403	Present	Present	Present	Present	Absent
3.02e-5	0.00296377	0.150362	0.846644	Present	Present	Present	Present	Absent
2.154e-5	0.00238985	0.135962	0.861627	Present	Present	Present	Present	Absent
3.033e-5	0.00299394	0.148967	0.848009	Present	Present	Present	Present	Absent
2.164e-5	0.00241416	0.134705	0.862859	Present	Present	Present	Present	Absent
2.163e-5	0.00240916	0.135392	0.862177	Present	Present	Present	Present	Absent
1.543e-5	0.00194237	0.1224	0.875642	Present	Present	Present	Present	Absent
5.11e-6	0.0036901	0.16637	0.829934	Present	Present	Present	Present	Absent
3.65e-6	0.00297254	0.150474	0.84655	Present	Present	Present	Present	Absent
3.64e-6	0.00296642	0.151243	0.845787	Present	Present	Present	Present	Absent
2.6e-6	0.00238955	0.136754	0.860854	Present	Present	Present	Present	Absent

3.66e-6	0.00299647	0.14984	0.84716	Present	Present	Present	Present	Absent
2.61e-6	0.00241375	0.135491	0.862092	Present	Present	Present	Present	Absent
2.61e-6	0.00240878	0.136182	0.861406	Present	Present	Present	Present	Absent
1.86e-6	0.00194032	0.123111	0.874947	Present	Present	Present	Present	Absent
3.75e-6	0.00301849	0.151416	0.845561	Present	Present	Present	Present	Absent
2.67e-6	0.0024315	0.136916	0.86065	Present	Present	Present	Present	Absent
2.67e-6	0.00242649	0.137614	0.859957	Present	Present	Present	Present	Absent
1.91e-6	0.00195458	0.124404	0.873639	Present	Present	Present	Present	Absent
2.68e-6	0.00245106	0.136342	0.861204	Present	Present	Present	Present	Absent
1.91e-6	0.00197438	0.123259	0.874764	Present	Present	Present	Present	Absent
1.91e-6	0.00197031	0.123886	0.874141	Present	Present	Present	Present	Absent
1.37e-6	0.0015871	0.111974	0.886438	Present	Present	Present	Present	Absent
4.0678e-4	0.0186913	0.169955	0.810947	Present	Present	Present	Present	Absent
2.9022e-4	0.0150917	0.1552	0.829418	Present	Present	Present	Present	Absent
2.9003e-4	0.0150603	0.15608	0.828569	Present	Present	Present	Present	Absent
2.0693e-4	0.0121565	0.142318	0.845318	Present	Present	Present	Present	Absent
2.9135e-4	0.0152143	0.154399	0.830096	Present	Present	Present	Present	Absent
2.0787e-4	0.0122807	0.140816	0.846695	Present	Present	Present	Present	Absent
2.0773e-4	0.0122551	0.141604	0.845933	Present	Present	Present	Present	Absent
1.4821e-4	0.00988962	0.128977	0.860986	Present	Present	Present	Present	Absent
2.9835e-4	0.0153216	0.156061	0.828319	Present	Present	Present	Present	Absent
2.1286e-4	0.0123677	0.142327	0.845092	Present	Present	Present	Present	Absent
2.1272e-4	0.012342	0.143124	0.844322	Present	Present	Present	Present	Absent
1.5177e-4	0.00996004	0.130357	0.859532	Present	Present	Present	Present	Absent
2.1369e-4	0.0124681	0.141611	0.845708	Present	Present	Present	Present	Absent
1.5246e-4	0.0100617	0.129004	0.860782	Present	Present	Present	Present	Absent
1.5236e-4	0.0100408	0.129717	0.86009	Present	Present	Present	Present	Absent
1.087e-4	0.00810104	0.118031	0.873759	Present	Present	Present	Present	Absent
3.599e-5	0.0154593	0.157146	0.827359	Present	Present	Present	Present	Absent
2.568e-5	0.0124545	0.143293	0.844226	Present	Present	Present	Present	Absent
2.566e-5	0.0124288	0.144094	0.843451	Present	Present	Present	Present	Absent
1.831e-5	0.0100128	0.131222	0.858747	Present	Present	Present	Present	Absent
2.578e-5	0.0125548	0.142574	0.844845	Present	Present	Present	Present	Absent
1.839e-5	0.0101142	0.129863	0.860004	Present	Present	Present	Present	Absent
1.838e-5	0.0100934	0.13058	0.859308	Present	Present	Present	Present	Absent
1.311e-5	0.0081311	0.118802	0.873053	Present	Present	Present	Present	Absent
2.64e-5	0.0126469	0.144104	0.843223	Present	Present	Present	Present	Absent
1.883e-5	0.0101885	0.131253	0.85854	Present	Present	Present	Present	Absent
1.882e-5	0.0101675	0.131977	0.857836	Present	Present	Present	Present	Absent
1.343e-5	0.00819081	0.12007	0.871726	Present	Present	Present	Present	Absent
1.891e-5	0.0102705	0.130609	0.859102	Present	Present	Present	Present	Absent
1.349e-5	0.00827379	0.118845	0.872868	Present	Present	Present	Present	Absent
1.348e-5	0.00825675	0.119494	0.872235	Present	Present	Present	Present	Absent
9.62e-6	0.00665138	0.108621	0.884718	Present	Present	Present	Present	Absent
4.116e-5	0.0036415	0.166691	0.829626	Present	Present	Present	Present	Absent
2.937e-5	0.00293671	0.150762	0.846272	Present	Present	Present	Present	Absent
2.935e-5	0.00293063	0.151533	0.845508	Present	Present	Present	Present	Absent
2.094e-5	0.00236308	0.137014	0.860602	Present	Present	Present	Present	Absent
2.948e-5	0.00296046	0.150127	0.846883	Present	Present	Present	Present	Absent
2.104e-5	0.00238712	0.135749	0.861843	Present	Present	Present	Present	Absent
2.102e-5	0.00238218	0.136441	0.861156	Present	Present	Present	Present	Absent
1.5e-5	0.00192058	0.123344	0.874721	Present	Present	Present	Present	Absent
3.019e-5	0.00298179	0.151706	0.845282	Present	Present	Present	Present	Absent
2.154e-5	0.00240436	0.137176	0.860398	Present	Present	Present	Present	Absent
2.153e-5	0.00239938	0.137876	0.859703	Present	Present	Present	Present	Absent
1.536e-5	0.00193449	0.12464	0.873411	Present	Present	Present	Present	Absent
2.162e-5	0.00242379	0.136602	0.860952	Present	Present	Present	Present	Absent
1.543e-5	0.00195415	0.123493	0.874538	Present	Present	Present	Present	Absent
1.542e-5	0.00195011	0.124121	0.873914	Present	Present	Present	Present	Absent
1.1e-5	0.00157207	0.112185	0.886232	Present	Present	Present	Present	Absent
3.64e-6	0.00298429	0.152595	0.844417	Present	Present	Present	Present	Absent
2.6e-6	0.00240394	0.137976	0.859617	Present	Present	Present	Present	Absent
2.6e-6	0.00239899	0.138679	0.858919	Present	Present	Present	Present	Absent
1.85e-6	0.00193243	0.125363	0.872703	Present	Present	Present	Present	Absent
2.61e-6	0.00242329	0.137399	0.860175	Present	Present	Present	Present	Absent

1.86e-6	0.001952	0.12421	0.873836	Present	Present	Present	Present	Absent
1.86e-6	0.00194798	0.124841	0.873209	Present	Present	Present	Present	Absent
1.33e-6	0.00156911	0.112833	0.885597	Present	Present	Present	Present	Absent
2.67e-6	0.0024411	0.138843	0.858713	Present	Present	Present	Present	Absent
1.91e-6	0.00196636	0.125515	0.872517	Present	Present	Present	Present	Absent
1.9e-6	0.00196231	0.126153	0.871883	Present	Present	Present	Present	Absent
1.36e-6	0.00158065	0.114018	0.8844	Present	Present	Present	Present	Absent
1.91e-6	0.00198218	0.124992	0.873023	Present	Present	Present	Present	Absent
1.37e-6	0.00159666	0.112973	0.885429	Present	Present	Present	Present	Absent
1.36e-6	0.00159337	0.113546	0.884859	Present	Present	Present	Present	Absent
9.7e-7	0.00128346	0.102607	0.896109	Present	Present	Present	Present	Absent
4.0855e-4	0.0185739	0.168051	0.812967	Present	Present	Present	Present	Absent
2.9149e-4	0.0149973	0.153471	0.83124	Present	Present	Present	Present	Absent
2.913e-4	0.0149661	0.154342	0.830401	Present	Present	Present	Present	Absent
2.0783e-4	0.0120807	0.140741	0.846971	Present	Present	Present	Present	Absent
2.9262e-4	0.0151192	0.152678	0.831911	Present	Present	Present	Present	Absent
2.0878e-4	0.0122042	0.139254	0.848333	Present	Present	Present	Present	Absent
2.0864e-4	0.0121788	0.140034	0.847579	Present	Present	Present	Present	Absent
1.4886e-4	0.00982819	0.127552	0.862471	Present	Present	Present	Present	Absent
2.9965e-4	0.0152257	0.154322	0.830153	Present	Present	Present	Present	Absent
2.1379e-4	0.0122906	0.140749	0.846747	Present	Present	Present	Present	Absent
2.1365e-4	0.012265	0.141536	0.845985	Present	Present	Present	Present	Absent
1.5243e-4	0.00989814	0.128917	0.861032	Present	Present	Present	Present	Absent
2.1462e-4	0.0123904	0.140039	0.847356	Present	Present	Present	Present	Absent
1.5312e-4	0.00999919	0.127578	0.86227	Present	Present	Present	Present	Absent
1.5303e-4	0.00997839	0.128284	0.861584	Present	Present	Present	Present	Absent
1.0918e-4	0.00805086	0.116732	0.875108	Present	Present	Present	Present	Absent
3.615e-5	0.0153653	0.155395	0.829203	Present	Present	Present	Present	Absent
2.579e-5	0.0123788	0.141705	0.84589	Present	Present	Present	Present	Absent
2.577e-5	0.0123533	0.142497	0.845124	Present	Present	Present	Present	Absent
1.839e-5	0.00995196	0.129774	0.860255	Present	Present	Present	Present	Absent
2.589e-5	0.0124785	0.140993	0.846503	Present	Present	Present	Present	Absent
1.847e-5	0.0100528	0.128429	0.8615	Present	Present	Present	Present	Absent
1.846e-5	0.0100321	0.129139	0.860811	Present	Present	Present	Present	Absent
1.317e-5	0.00808173	0.117495	0.87441	Present	Present	Present	Present	Absent
2.651e-5	0.01257	0.142506	0.844897	Present	Present	Present	Present	Absent
1.892e-5	0.0101266	0.129803	0.860051	Present	Present	Present	Present	Absent
1.89e-5	0.0101057	0.13052	0.859355	Present	Present	Present	Present	Absent
1.349e-5	0.00814107	0.118749	0.873096	Present	Present	Present	Present	Absent
1.899e-5	0.0102081	0.129166	0.860607	Present	Present	Present	Present	Absent
1.355e-5	0.00822355	0.117537	0.874226	Present	Present	Present	Present	Absent
1.354e-5	0.00820661	0.118179	0.8736	Present	Present	Present	Present	Absent
9.66e-6	0.006611	0.107429	0.88595	Present	Present	Present	Present	Absent
4.134e-5	0.00361902	0.164893	0.831447	Present	Present	Present	Present	Absent
2.95e-5	0.00291863	0.149137	0.847915	Present	Present	Present	Present	Absent
2.948e-5	0.00291258	0.1499	0.847158	Present	Present	Present	Present	Absent
2.103e-5	0.00234856	0.13554	0.862091	Present	Present	Present	Present	Absent
2.961e-5	0.00294222	0.148509	0.848519	Present	Present	Present	Present	Absent
2.113e-5	0.00237245	0.134288	0.863319	Present	Present	Present	Present	Absent
2.111e-5	0.00236753	0.134972	0.862639	Present	Present	Present	Present	Absent
1.506e-5	0.0019088	0.122017	0.876059	Present	Present	Present	Present	Absent
3.032e-5	0.00296342	0.150072	0.846934	Present	Present	Present	Present	Absent
2.163e-5	0.00238958	0.1357	0.861889	Present	Present	Present	Present	Absent
2.162e-5	0.00238463	0.136392	0.861202	Present	Present	Present	Present	Absent
1.543e-5	0.00192261	0.123299	0.874763	Present	Present	Present	Present	Absent
2.172e-5	0.00240889	0.135131	0.862438	Present	Present	Present	Present	Absent
1.55e-5	0.00194216	0.122164	0.875878	Present	Present	Present	Present	Absent
1.549e-5	0.00193814	0.122786	0.87526	Present	Present	Present	Present	Absent
1.105e-5	0.00156244	0.110979	0.887448	Present	Present	Present	Present	Absent
3.66e-6	0.00296618	0.150951	0.846079	Present	Present	Present	Present	Absent
2.61e-6	0.00238936	0.136491	0.861117	Present	Present	Present	Present	Absent
2.61e-6	0.00238444	0.137186	0.860426	Present	Present	Present	Present	Absent
1.86e-6	0.00192071	0.124014	0.874063	Present	Present	Present	Present	Absent
2.62e-6	0.00240859	0.13592	0.861669	Present	Present	Present	Present	Absent
1.87e-6	0.00194016	0.122874	0.875184	Present	Present	Present	Present	Absent

1.87e-6	0.00193617	0.123499	0.874563	Present	Present	Present	Present	Absent
1.33e-6	0.0015596	0.11162	0.886819	Present	Present	Present	Present	Absent
2.68e-6	0.00242629	0.137349	0.860222	Present	Present	Present	Present	Absent
1.91e-6	0.00195443	0.124165	0.873879	Present	Present	Present	Present	Absent
1.91e-6	0.0019504	0.124796	0.873251	Present	Present	Present	Present	Absent
1.36e-6	0.00157107	0.112793	0.885635	Present	Present	Present	Present	Absent
1.92e-6	0.00197016	0.123648	0.87438	Present	Present	Present	Present	Absent
1.37e-6	0.00158698	0.111759	0.886653	Present	Present	Present	Present	Absent
1.37e-6	0.00158371	0.112325	0.886089	Present	Present	Present	Present	Absent
9.8e-7	0.00127568	0.101505	0.897219	Present	Present	Present	Present	Absent
2.9126e-4	0.0150579	0.155757	0.828894	Present	Present	Present	Present	Absent
2.078e-4	0.0121547	0.142026	0.845612	Present	Present	Present	Present	Absent
2.0767e-4	0.0121294	0.142819	0.844844	Present	Present	Present	Present	Absent
1.4816e-4	0.00978833	0.130061	0.860003	Present	Present	Present	Present	Absent
2.0861e-4	0.0122533	0.141313	0.846225	Present	Present	Present	Present	Absent
1.4884e-4	0.00988824	0.128714	0.861249	Present	Present	Present	Present	Absent
1.4874e-4	0.00986768	0.129425	0.860559	Present	Present	Present	Present	Absent
1.0612e-4	0.00796129	0.11775	0.874182	Present	Present	Present	Present	Absent
2.1362e-4	0.0123401	0.142829	0.844617	Present	Present	Present	Present	Absent
1.5241e-4	0.00995863	0.130091	0.859798	Present	Present	Present	Present	Absent
1.5231e-4	0.00993793	0.130809	0.859101	Present	Present	Present	Present	Absent
1.0867e-4	0.0080182	0.119007	0.872867	Present	Present	Present	Present	Absent
1.53e-4	0.0100394	0.129453	0.860355	Present	Present	Present	Present	Absent
1.0916e-4	0.00809997	0.117793	0.873998	Present	Present	Present	Present	Absent
1.0909e-4	0.00808314	0.118436	0.873372	Present	Present	Present	Present	Absent
7.783e-5	0.00652035	0.107658	0.885743	Present	Present	Present	Present	Absent
2.577e-5	0.0124278	0.143798	0.843748	Present	Present	Present	Present	Absent
1.839e-5	0.0100119	0.130956	0.859014	Present	Present	Present	Present	Absent
1.837e-5	0.00999132	0.131677	0.858313	Present	Present	Present	Present	Absent
1.311e-5	0.00804889	0.119782	0.872156	Present	Present	Present	Present	Absent
1.846e-5	0.0100926	0.130315	0.859574	Present	Present	Present	Present	Absent
1.317e-5	0.00813043	0.118562	0.873294	Present	Present	Present	Present	Absent
1.316e-5	0.00811368	0.119209	0.872664	Present	Present	Present	Present	Absent
9.39e-6	0.00653612	0.10835	0.885105	Present	Present	Present	Present	Absent
1.89e-5	0.0101666	0.131709	0.858106	Present	Present	Present	Present	Absent
1.349e-5	0.00819013	0.119827	0.871969	Present	Present	Present	Present	Absent
1.348e-5	0.00817326	0.120481	0.871332	Present	Present	Present	Present	Absent
9.62e-6	0.00658414	0.109503	0.883903	Present	Present	Present	Present	Absent
1.354e-5	0.00825607	0.119253	0.872478	Present	Present	Present	Present	Absent
9.66e-6	0.00665084	0.108403	0.884937	Present	Present	Present	Present	Absent
9.65e-6	0.00663714	0.108989	0.884364	Present	Present	Present	Present	Absent
6.89e-6	0.00534656	0.0989844	0.895662	Present	Present	Present	Present	Absent
2.947e-5	0.00293028	0.15124	0.8458	Present	Present	Present	Present	Absent
2.103e-5	0.00236281	0.13675	0.860866	Present	Present	Present	Present	Absent
2.101e-5	0.00235792	0.137447	0.860174	Present	Present	Present	Present	Absent
1.499e-5	0.00190105	0.124249	0.873835	Present	Present	Present	Present	Absent
2.111e-5	0.00238191	0.136178	0.861419	Present	Present	Present	Present	Absent
1.506e-5	0.00192037	0.123106	0.874958	Present	Present	Present	Present	Absent
1.505e-5	0.0019164	0.123732	0.874336	Present	Present	Present	Present	Absent
1.074e-5	0.00154489	0.111831	0.886614	Present	Present	Present	Present	Absent
2.162e-5	0.00239911	0.13761	0.859969	Present	Present	Present	Present	Absent
1.542e-5	0.00193428	0.1244	0.87365	Present	Present	Present	Present	Absent
1.541e-5	0.00193027	0.125032	0.873022	Present	Present	Present	Present	Absent
1.1e-5	0.0015561	0.113005	0.885428	Present	Present	Present	Present	Absent
1.548e-5	0.0019499	0.123882	0.874152	Present	Present	Present	Present	Absent
1.105e-5	0.00157191	0.111969	0.886448	Present	Present	Present	Present	Absent
1.104e-5	0.00156866	0.112537	0.885883	Present	Present	Present	Present	Absent
7.88e-6	0.00126444	0.101695	0.897032	Present	Present	Present	Present	Absent
2.61e-6	0.0023988	0.138412	0.859187	Present	Present	Present	Present	Absent
1.86e-6	0.00193228	0.125122	0.872944	Present	Present	Present	Present	Absent
1.86e-6	0.0019283	0.125758	0.872312	Present	Present	Present	Present	Absent
1.33e-6	0.00155326	0.113658	0.884787	Present	Present	Present	Present	Absent
1.87e-6	0.00194783	0.124601	0.873449	Present	Present	Present	Present	Absent
1.33e-6	0.00156899	0.112617	0.885813	Present	Present	Present	Present	Absent
1.33e-6	0.00156576	0.113188	0.885245	Present	Present	Present	Present	Absent

9.5e-7	0.00126121	0.102281	0.896457	Present	Present	Present	Present	Absent
1.91e-6	0.00196215	0.12591	0.872126	Present	Present	Present	Present	Absent
1.36e-6	0.00158053	0.113799	0.884619	Present	Present	Present	Present	Absent
1.36e-6	0.00157727	0.114376	0.884045	Present	Present	Present	Present	Absent
9.7e-7	0.00127049	0.103354	0.895374	Present	Present	Present	Present	Absent
1.37e-6	0.00159325	0.113328	0.885077	Present	Present	Present	Present	Absent
9.8e-7	0.00128336	0.10241	0.896306	Present	Present	Present	Present	Absent
9.8e-7	0.00128071	0.102928	0.89579	Present	Present	Present	Present	Absent
7e-7	0.0010316	0.0929965	0.905971	Present	Present	Present	Present	Absent
4.0381e-4	0.018759	0.169751	0.811086	Present	Present	Present	Present	Present
2.881e-4	0.015146	0.155023	0.829543	Present	Present	Present	Present	Present
2.8792e-4	0.0151144	0.155902	0.828695	Present	Present	Present	Present	Present
2.0542e-4	0.0121999	0.142163	0.845432	Present	Present	Present	Present	Present
2.8922e-4	0.015269	0.154221	0.83022	Present	Present	Present	Present	Present
2.0635e-4	0.0123245	0.140661	0.846808	Present	Present	Present	Present	Present
2.0622e-4	0.0122989	0.141449	0.846046	Present	Present	Present	Present	Present
1.4713e-4	0.0099247	0.128841	0.861088	Present	Present	Present	Present	Present
2.9617e-4	0.0153767	0.155882	0.828445	Present	Present	Present	Present	Present
2.1131e-4	0.0124119	0.142171	0.845206	Present	Present	Present	Present	Present
2.1117e-4	0.0123861	0.142967	0.844436	Present	Present	Present	Present	Present
1.5066e-4	0.0099954	0.130219	0.859635	Present	Present	Present	Present	Present
2.1213e-4	0.0125126	0.141454	0.845821	Present	Present	Present	Present	Present
1.5135e-4	0.0100974	0.128867	0.860884	Present	Present	Present	Present	Present
1.5125e-4	0.0100764	0.12958	0.860192	Present	Present	Present	Present	Present
1.0791e-4	0.00812965	0.117911	0.873852	Present	Present	Present	Present	Present
3.573e-5	0.015512	0.156966	0.827486	Present	Present	Present	Present	Present
2.549e-5	0.012497	0.143137	0.844341	Present	Present	Present	Present	Present
2.547e-5	0.0124712	0.143937	0.843566	Present	Present	Present	Present	Present
1.818e-5	0.0100469	0.131085	0.85885	Present	Present	Present	Present	Present
2.559e-5	0.0125976	0.142418	0.844959	Present	Present	Present	Present	Present
1.826e-5	0.0101487	0.129726	0.860107	Present	Present	Present	Present	Present
1.825e-5	0.0101278	0.130443	0.859411	Present	Present	Present	Present	Present
1.302e-5	0.00815878	0.118681	0.873147	Present	Present	Present	Present	Present
2.621e-5	0.01269	0.143946	0.843338	Present	Present	Present	Present	Present
1.87e-5	0.0102232	0.131114	0.858644	Present	Present	Present	Present	Present
1.868e-5	0.0102021	0.131838	0.857941	Present	Present	Present	Present	Present
1.333e-5	0.0082187	0.119948	0.87182	Present	Present	Present	Present	Present
1.877e-5	0.0103055	0.13047	0.859205	Present	Present	Present	Present	Present
1.339e-5	0.00830196	0.118723	0.872961	Present	Present	Present	Present	Present
1.338e-5	0.00828486	0.119372	0.872329	Present	Present	Present	Present	Present
9.55e-6	0.00667401	0.108513	0.884803	Present	Present	Present	Present	Present
4.086e-5	0.00365427	0.166553	0.829752	Present	Present	Present	Present	Present
2.915e-5	0.00294698	0.150639	0.846385	Present	Present	Present	Present	Present
2.914e-5	0.00294087	0.151409	0.845621	Present	Present	Present	Present	Present
2.079e-5	0.00237131	0.136904	0.860704	Present	Present	Present	Present	Present
2.927e-5	0.0029708	0.150005	0.846995	Present	Present	Present	Present	Present
2.088e-5	0.00239543	0.13564	0.861944	Present	Present	Present	Present	Present
2.087e-5	0.00239047	0.136331	0.861257	Present	Present	Present	Present	Present
1.489e-5	0.00192725	0.123245	0.874813	Present	Present	Present	Present	Present
2.997e-5	0.00299221	0.151583	0.845395	Present	Present	Present	Present	Present
2.138e-5	0.00241275	0.137066	0.8605	Present	Present	Present	Present	Present
2.137e-5	0.00240774	0.137764	0.859806	Present	Present	Present	Present	Present
1.525e-5	0.00194121	0.12454	0.873504	Present	Present	Present	Present	Present
2.147e-5	0.00243223	0.136492	0.861055	Present	Present	Present	Present	Present
1.532e-5	0.00196094	0.123394	0.87463	Present	Present	Present	Present	Present
1.531e-5	0.00195688	0.124022	0.874006	Present	Present	Present	Present	Present
1.092e-5	0.00157752	0.112096	0.886316	Present	Present	Present	Present	Present
3.62e-6	0.00299444	0.152471	0.844531	Present	Present	Present	Present	Present
2.58e-6	0.00241211	0.137865	0.859721	Present	Present	Present	Present	Present
2.58e-6	0.00240714	0.138567	0.859023	Present	Present	Present	Present	Present
1.84e-6	0.001939	0.125263	0.872796	Present	Present	Present	Present	Present
2.59e-6	0.00243152	0.137288	0.860278	Present	Present	Present	Present	Present
1.85e-6	0.00195863	0.124111	0.873929	Present	Present	Present	Present	Present
1.85e-6	0.0019546	0.124742	0.873302	Present	Present	Present	Present	Present
1.32e-6	0.00157444	0.112744	0.88568	Present	Present	Present	Present	Present

2.65e-6	0.0024494	0.138731	0.858817	Present	Present	Present	Present	Present
1.89e-6	0.00197304	0.125415	0.87261	Present	Present	Present	Present	Present
1.89e-6	0.00196897	0.126052	0.871977	Present	Present	Present	Present	Present
1.35e-6	0.00158602	0.113928	0.884485	Present	Present	Present	Present	Present
1.9e-6	0.00198891	0.124893	0.873117	Present	Present	Present	Present	Present
1.36e-6	0.00160208	0.112883	0.885513	Present	Present	Present	Present	Present
1.35e-6	0.00159878	0.113456	0.884944	Present	Present	Present	Present	Present
9.7e-7	0.00128782	0.102526	0.896185	Present	Present	Present	Present	Present
2.8787e-4	0.0152071	0.157331	0.827173	Present	Present	Present	Present	Present
2.0539e-4	0.0122746	0.143461	0.844059	Present	Present	Present	Present	Present
2.0525e-4	0.012249	0.144262	0.843283	Present	Present	Present	Present	Present
1.4644e-4	0.00988445	0.131374	0.858595	Present	Present	Present	Present	Present
2.0619e-4	0.0123741	0.142741	0.844679	Present	Present	Present	Present	Present
1.4711e-4	0.00998532	0.130014	0.859854	Present	Present	Present	Present	Present
1.4701e-4	0.00996456	0.130732	0.859156	Present	Present	Present	Present	Present
1.0489e-4	0.00803916	0.118939	0.872917	Present	Present	Present	Present	Present
2.1114e-4	0.0124619	0.144273	0.843054	Present	Present	Present	Present	Present
1.5064e-4	0.0100565	0.131405	0.858388	Present	Present	Present	Present	Present
1.5054e-4	0.0100356	0.13213	0.857684	Present	Present	Present	Present	Present
1.0741e-4	0.00809667	0.120208	0.871588	Present	Present	Present	Present	Present
1.5123e-4	0.010138	0.13076	0.858951	Present	Present	Present	Present	Present
1.0789e-4	0.00817922	0.118982	0.872731	Present	Present	Present	Present	Present
1.0782e-4	0.00816224	0.119632	0.872098	Present	Present	Present	Present	Present
7.693e-5	0.00658393	0.108745	0.884594	Present	Present	Present	Present	Present
2.547e-5	0.0125464	0.145251	0.842177	Present	Present	Present	Present	Present
1.817e-5	0.0101075	0.132278	0.857596	Present	Present	Present	Present	Present
1.816e-5	0.0100866	0.133007	0.856888	Present	Present	Present	Present	Present
1.296e-5	0.00812563	0.120991	0.87087	Present	Present	Present	Present	Present
1.824e-5	0.0101888	0.131631	0.858162	Present	Present	Present	Present	Present
1.302e-5	0.00820795	0.119759	0.87202	Present	Present	Present	Present	Present
1.301e-5	0.00819104	0.120413	0.871383	Present	Present	Present	Present	Present
9.28e-6	0.00659841	0.109443	0.883949	Present	Present	Present	Present	Present
1.868e-5	0.0102636	0.133039	0.856679	Present	Present	Present	Present	Present
1.333e-5	0.00826823	0.121037	0.870682	Present	Present	Present	Present	Present
1.332e-5	0.00825119	0.121697	0.870038	Present	Present	Present	Present	Present
9.5e-6	0.00664689	0.110608	0.882736	Present	Present	Present	Present	Present
1.338e-5	0.00833479	0.120457	0.871195	Present	Present	Present	Present	Present
9.55e-6	0.00671422	0.109497	0.88378	Present	Present	Present	Present	Present
9.54e-6	0.00670039	0.110088	0.883202	Present	Present	Present	Present	Present
6.81e-6	0.0053975	0.0999828	0.894613	Present	Present	Present	Present	Present
2.913e-5	0.00295874	0.152763	0.84425	Present	Present	Present	Present	Present
2.078e-5	0.00238571	0.138127	0.859467	Present	Present	Present	Present	Present
2.077e-5	0.00238077	0.138831	0.858768	Present	Present	Present	Present	Present
1.482e-5	0.00191942	0.1255	0.872566	Present	Present	Present	Present	Present
2.086e-5	0.00240498	0.137549	0.860025	Present	Present	Present	Present	Present
1.489e-5	0.00193894	0.124345	0.873701	Present	Present	Present	Present	Present
1.488e-5	0.00193492	0.124978	0.873073	Present	Present	Present	Present	Present
1.061e-5	0.00155979	0.112956	0.885473	Present	Present	Present	Present	Present
2.137e-5	0.00242236	0.138995	0.858561	Present	Present	Present	Present	Present
1.524e-5	0.00195298	0.125652	0.87238	Present	Present	Present	Present	Present
1.523e-5	0.00194894	0.126291	0.871745	Present	Present	Present	Present	Present
1.087e-5	0.00157111	0.114142	0.884276	Present	Present	Present	Present	Present
1.53e-5	0.00196875	0.125129	0.872887	Present	Present	Present	Present	Present
1.092e-5	0.00158708	0.113096	0.885306	Present	Present	Present	Present	Present
1.091e-5	0.00158379	0.11367	0.884736	Present	Present	Present	Present	Present
7.78e-6	0.00127662	0.102719	0.895997	Present	Present	Present	Present	Present
2.58e-6	0.00242164	0.139805	0.857771	Present	Present	Present	Present	Present
1.84e-6	0.00195067	0.126381	0.871666	Present	Present	Present	Present	Present
1.84e-6	0.00194666	0.127023	0.871028	Present	Present	Present	Present	Present
1.31e-6	0.00156804	0.114802	0.883629	Present	Present	Present	Present	Present
1.85e-6	0.00196637	0.125855	0.872176	Present	Present	Present	Present	Present
1.32e-6	0.00158392	0.11375	0.884665	Present	Present	Present	Present	Present
1.32e-6	0.00158066	0.114327	0.884091	Present	Present	Present	Present	Present
9.4e-7	0.00127321	0.10331	0.895416	Present	Present	Present	Present	Present
1.89e-6	0.00198083	0.127178	0.87084	Present	Present	Present	Present	Present

1.35e-6	0.00159557	0.114944	0.883459	Present	Present	Present	Present	Present
1.35e-6	0.00159229	0.115527	0.882879	Present	Present	Present	Present	Present
9.6e-7	0.00128258	0.104395	0.894322	Present	Present	Present	Present	Present
1.35e-6	0.00160841	0.114469	0.883922	Present	Present	Present	Present	Present
9.7e-7	0.00129557	0.103441	0.895263	Present	Present	Present	Present	Present
9.7e-7	0.0012929	0.103964	0.894742	Present	Present	Present	Present	Present
6.9e-7	0.00104142	0.0939322	0.905026	Present	Present	Present	Present	Present
2.8913e-4	0.015112	0.155579	0.82902	Present	Present	Present	Present	Present
2.0628e-4	0.0121981	0.141871	0.845725	Present	Present	Present	Present	Present
2.0615e-4	0.0121727	0.142664	0.844957	Present	Present	Present	Present	Present
1.4708e-4	0.00982307	0.129925	0.860105	Present	Present	Present	Present	Present
2.0709e-4	0.0122971	0.141158	0.846338	Present	Present	Present	Present	Present
1.4775e-4	0.00992332	0.128578	0.861351	Present	Present	Present	Present	Present
1.4765e-4	0.00990269	0.129288	0.860661	Present	Present	Present	Present	Present
1.0534e-4	0.00798939	0.11763	0.874275	Present	Present	Present	Present	Present
2.1206e-4	0.0123842	0.142673	0.844731	Present	Present	Present	Present	Present
1.513e-4	0.009994	0.129954	0.859901	Present	Present	Present	Present	Present
1.512e-4	0.00997322	0.130672	0.859204	Present	Present	Present	Present	Present
1.0788e-4	0.00804652	0.118886	0.87296	Present	Present	Present	Present	Present
1.5189e-4	0.010075	0.129316	0.860457	Present	Present	Present	Present	Present
1.0837e-4	0.00812857	0.117672	0.874091	Present	Present	Present	Present	Present
1.0829e-4	0.00811169	0.118315	0.873465	Present	Present	Present	Present	Present
7.726e-5	0.00654327	0.107552	0.885827	Present	Present	Present	Present	Present
2.558e-5	0.0124702	0.143641	0.843863	Present	Present	Present	Present	Present
1.825e-5	0.0100461	0.130818	0.859118	Present	Present	Present	Present	Present
1.824e-5	0.0100254	0.131539	0.858417	Present	Present	Present	Present	Present
1.301e-5	0.00807629	0.119661	0.87225	Present	Present	Present	Present	Present
1.832e-5	0.0101269	0.130177	0.859677	Present	Present	Present	Present	Present
1.307e-5	0.00815811	0.118442	0.873387	Present	Present	Present	Present	Present
1.306e-5	0.00814131	0.119088	0.872757	Present	Present	Present	Present	Present
9.32e-6	0.00655836	0.108243	0.885189	Present	Present	Present	Present	Present
1.876e-5	0.0102013	0.13157	0.85821	Present	Present	Present	Present	Present
1.339e-5	0.00821802	0.119706	0.872063	Present	Present	Present	Present	Present
1.338e-5	0.00820109	0.120359	0.871427	Present	Present	Present	Present	Present
9.54e-6	0.00660654	0.109395	0.883988	Present	Present	Present	Present	Present
1.344e-5	0.00828418	0.119131	0.872571	Present	Present	Present	Present	Present
9.59e-6	0.00667347	0.108296	0.885021	Present	Present	Present	Present	Present
9.58e-6	0.00665972	0.108881	0.884449	Present	Present	Present	Present	Present
6.84e-6	0.00536475	0.0988896	0.895739	Present	Present	Present	Present	Present
2.926e-5	0.00294052	0.151117	0.845914	Present	Present	Present	Present	Present
2.087e-5	0.00237104	0.13664	0.860968	Present	Present	Present	Present	Present
2.086e-5	0.00236613	0.137337	0.860277	Present	Present	Present	Present	Present
1.488e-5	0.00190765	0.12415	0.873928	Present	Present	Present	Present	Present
2.096e-5	0.0023902	0.136068	0.86152	Present	Present	Present	Present	Present
1.495e-5	0.00192704	0.123008	0.87505	Present	Present	Present	Present	Present
1.494e-5	0.00192305	0.123633	0.874429	Present	Present	Present	Present	Present
1.066e-5	0.00155024	0.111742	0.886697	Present	Present	Present	Present	Present
2.146e-5	0.00240747	0.137499	0.860072	Present	Present	Present	Present	Present
1.531e-5	0.00194099	0.124301	0.873743	Present	Present	Present	Present	Present
1.53e-5	0.00193698	0.124932	0.873115	Present	Present	Present	Present	Present
1.092e-5	0.00156148	0.112916	0.885512	Present	Present	Present	Present	Present
1.537e-5	0.00195667	0.123783	0.874245	Present	Present	Present	Present	Present
1.097e-5	0.00157735	0.11188	0.886531	Present	Present	Present	Present	Present
1.096e-5	0.00157409	0.112448	0.885967	Present	Present	Present	Present	Present
7.82e-6	0.00126881	0.101615	0.897108	Present	Present	Present	Present	Present
2.59e-6	0.00240695	0.1383	0.85929	Present	Present	Present	Present	Present
1.85e-6	0.00193884	0.125022	0.873038	Present	Present	Present	Present	Present
1.85e-6	0.00193485	0.125657	0.872406	Present	Present	Present	Present	Present
1.32e-6	0.00155853	0.113568	0.884872	Present	Present	Present	Present	Present
1.85e-6	0.00195444	0.124502	0.873542	Present	Present	Present	Present	Present
1.32e-6	0.00157432	0.112527	0.885897	Present	Present	Present	Present	Present
1.32e-6	0.00157107	0.113098	0.88533	Present	Present	Present	Present	Present
9.4e-7	0.00126549	0.102201	0.896533	Present	Present	Present	Present	Present
1.9e-6	0.00196882	0.12581	0.872219	Present	Present	Present	Present	Present
1.35e-6	0.0015859	0.113709	0.884704	Present	Present	Present	Present	Present

1.35e-6	0.00158263	0.114286	0.88413	Present	Present	Present	Present	Present
9.7e-7	0.00127481	0.103273	0.895451	Present	Present	Present	Present	Present
1.36e-6	0.00159866	0.113238	0.885162	Present	Present	Present	Present	Present
9.7e-7	0.00128771	0.10233	0.896382	Present	Present	Present	Present	Present
9.7e-7	0.00128506	0.102848	0.895866	Present	Present	Present	Present	Present
6.9e-7	0.0010351	0.0929239	0.90604	Present	Present	Present	Present	Present
2.0612e-4	0.0122472	0.143966	0.84358	Present	Present	Present	Present	Present
1.4706e-4	0.00988308	0.131107	0.858863	Present	Present	Present	Present	Present
1.4696e-4	0.00986253	0.13183	0.858161	Present	Present	Present	Present	Present
1.0485e-4	0.00795698	0.11992	0.872019	Present	Present	Present	Present	Present
1.4763e-4	0.00996318	0.130466	0.859423	Present	Present	Present	Present	Present
1.0533e-4	0.00803811	0.118699	0.873158	Present	Present	Present	Present	Present
1.0526e-4	0.00802142	0.119346	0.872527	Present	Present	Present	Present	Present
7.51e-5	0.00647028	0.108473	0.884981	Present	Present	Present	Present	Present
1.5118e-4	0.0100342	0.131861	0.857953	Present	Present	Present	Present	Present
1.0786e-4	0.0080956	0.119965	0.871831	Present	Present	Present	Present	Present
1.0779e-4	0.00807878	0.120619	0.871194	Present	Present	Present	Present	Present
7.69e-5	0.00651671	0.109628	0.883778	Present	Present	Present	Present	Present
1.0828e-4	0.00816116	0.11939	0.872341	Present	Present	Present	Present	Present
7.725e-5	0.00658311	0.108527	0.884813	Present	Present	Present	Present	Present
7.72e-5	0.00656945	0.109113	0.88424	Present	Present	Present	Present	Present
5.508e-5	0.00529826	0.0990966	0.89555	Present	Present	Present	Present	Present
1.824e-5	0.0100858	0.132737	0.857159	Present	Present	Present	Present	Present
1.301e-5	0.00812496	0.120747	0.871115	Present	Present	Present	Present	Present
1.3e-5	0.00810822	0.121405	0.870474	Present	Present	Present	Present	Present
9.28e-6	0.00653171	0.11033	0.883129	Present	Present	Present	Present	Present
1.306e-5	0.00819037	0.120169	0.871627	Present	Present	Present	Present	Present
9.32e-6	0.00659788	0.109224	0.884169	Present	Present	Present	Present	Present
9.31e-6	0.00658429	0.109813	0.883593	Present	Present	Present	Present	Present
6.64e-6	0.00530396	0.0997232	0.894966	Present	Present	Present	Present	Present
1.338e-5	0.00825051	0.121452	0.870284	Present	Present	Present	Present	Present
9.54e-6	0.00664635	0.110386	0.882958	Present	Present	Present	Present	Present
9.54e-6	0.00663266	0.110982	0.882376	Present	Present	Present	Present	Present
6.8e-6	0.00534294	0.100782	0.893868	Present	Present	Present	Present	Present
9.58e-6	0.00669985	0.109868	0.883423	Present	Present	Present	Present	Present
6.84e-6	0.00539706	0.0997835	0.894813	Present	Present	Present	Present	Present
6.83e-6	0.00538595	0.100318	0.894289	Present	Present	Present	Present	Present
4.87e-6	0.00433857	0.0910391	0.904617	Present	Present	Present	Present	Present
2.086e-5	0.0023805	0.138563	0.859035	Present	Present	Present	Present	Present
1.488e-5	0.00191922	0.125258	0.872808	Present	Present	Present	Present	Present
1.487e-5	0.00191525	0.125895	0.872175	Present	Present	Present	Present	Present
1.061e-5	0.00154394	0.113782	0.884664	Present	Present	Present	Present	Present
1.494e-5	0.00193472	0.124737	0.873313	Present	Present	Present	Present	Present
1.066e-5	0.00155963	0.112739	0.885691	Present	Present	Present	Present	Present
1.065e-5	0.0015564	0.113311	0.885122	Present	Present	Present	Present	Present
7.6e-6	0.00125454	0.102392	0.896346	Present	Present	Present	Present	Present
1.53e-5	0.00194873	0.126048	0.871988	Present	Present	Present	Present	Present
1.091e-5	0.00157095	0.113923	0.884495	Present	Present	Present	Present	Present
1.091e-5	0.0015677	0.114501	0.883921	Present	Present	Present	Present	Present
7.78e-6	0.00126366	0.103467	0.895262	Present	Present	Present	Present	Present
1.096e-5	0.00158363	0.113452	0.884954	Present	Present	Present	Present	Present
7.82e-6	0.00127649	0.102522	0.896194	Present	Present	Present	Present	Present
7.81e-6	0.00127385	0.103041	0.895678	Present	Present	Present	Present	Present
5.57e-6	0.0010267	0.0930975	0.90587	Present	Present	Present	Present	Present
1.85e-6	0.0019465	0.126779	0.871273	Present	Present	Present	Present	Present
1.32e-6	0.00156792	0.114581	0.883849	Present	Present	Present	Present	Present
1.32e-6	0.00156469	0.115162	0.883272	Present	Present	Present	Present	Present
9.4e-7	0.00126035	0.104062	0.894676	Present	Present	Present	Present	Present
1.32e-6	0.00158053	0.114107	0.884311	Present	Present	Present	Present	Present
9.4e-7	0.00127311	0.103112	0.895614	Present	Present	Present	Present	Present
9.4e-7	0.00127049	0.103634	0.895095	Present	Present	Present	Present	Present
6.7e-7	0.00102337	0.0936319	0.905344	Present	Present	Present	Present	Present
1.35e-6	0.00159216	0.115305	0.883101	Present	Present	Present	Present	Present
9.7e-7	0.00128248	0.104194	0.894522	Present	Present	Present	Present	Present
9.7e-7	0.00127984	0.104722	0.893998	Present	Present	Present	Present	Present

6.9e-7	0.0010309	0.0946143	0.904354	Present	Present	Present	Present	Present
9.7e-7	0.0012928	0.103765	0.894941	Present	Present	Present	Present	Present
6.9e-7	0.00104134	0.0937523	0.905206	Present	Present	Present	Present	Present
6.9e-7	0.00103919	0.094226	0.904734	Present	Present	Present	Present	Present
4.9e-7	8.3705e-4	0.0851207	0.914042	Present	Present	Present	Present	Present