GCA[A] -	0.847	0.921	0.918	0.909	0.931	0.977	0.894	0.909	0.959	0.941	0.883	0.888	
GCC[A] -	0.815	0.862	0.958	0.834	0.835	0.998	0.905	0.921	0.986	0.985	0.992	1.021	
GCG[A] -	0.825	0.674	0.674	0.726	0.665	0.719	0.692	0.678	0.717	0.728	0.667	0.709	
GCT[A] -	0.886	0.831	0.859	0.823	0.793	0.860	0.845	0.830	0.854	0.844	0.872	0.858	
TGC[C] -	1.030	0.727	0.732	0.812	0.714	0.764	0.761	0.784	0.774	0.777	0.810	0.791	
TGT[C] -	0.883	0.530	0.576	0.683	0.482	0.557	0.691	0.537	0.565	0.553	0.508	0.580	
GAC[D] -	0.967	1.038	1.028	0.938	1.027	1.038	1.010	1.033	1.070	1.033	1.027	1.006	
GAT[D] - GAA[E] -	0.990 1.003	1.056	1.080	0.979 1.270	0.994	1.052	1.055 1.255	1.027	1.029	1.011	1.022	1.026	
GAG[E] -	0.995	1.348	1.289	1.218	1.355	1.338	1.184	1.214	1.173	1.211	1.280	1.235	
TTC[F] -	1.094	1.013	1.000	1.003	0.976	0.896	0.976	0.984	0.969	0.946	0.970	0.979	
TTT[F] -	1.099	0.906	0.918	0.964	0.928	0.830	0.947	0.931	0.900	0.895	0.914	0.906	
GGA[G] -	0.966	1.129	1.073	0.989	1.045	1.031	0.945	0.978	0.970	0.938	0.985	0.952	
GGC[G] -	0.894	1.124	1.171	0.914	1.100	1.098	1.032	1.130	1.059	1.065	1.147	1.064	
GGG[G] -	0.882	1.160	1.103	1.048	1.135	1.138	1.039	1.049	1.013	1.074	1.070	1.023	
GGT[G] -	0.934	1.073	1.058	0.939	0.985	1.001	0.941	0.980	0.985	0.923	0.989	0.939	
CAC[H] -	0.720	0.298	0.301	0.406	0.270	0.305	0.330	0.310	0.333	0.317	0.307	0.331	
CAT[H] -	0.798 1.026	0.365	0.365 1.005	1.130	0.339 1.036	0.379 1.004	0.408 1.042	0.426 1.028	0.409 1.033	1.007	0.411	0.385	
ATA[I] - ATC[I] -	1.173	1.120	1.005	1.116	1.138	1.004	1.042	1.116	1.033	1.051	1.131	1.111	
ATT[1] -	1.107	1.120	1.203	1.116	1.201	1.140	1.232	1.118	1.145	1.105	1.208	1.111	
AAA[K] -	1.012	1.208	1.147	1.393	1.417	1.439	1.361	1.353	1.293	1.530	1.444	1.485	
AAG[K] -	0.960	1.099	1.088	1.065	1.062	1.050	1.005	1.042	1.003	0.989	0.962	1.000	
CTA[L] -	1.113	1.011	1.062	1.064	0.967	1.057	1.043	1.016	1.059	1.044	0.997	1.006	
CTC[L] -	1.432	1.105	1.181	1.122	1.085	1.152	1.198	1.084	1.265	1.168	1.157	1.101	
CTG[L] -	1.117	0.969	1.004	1.038	0.990	1.020	1.046	1.002	1.061	1.067	1.007	1.007	
CTT[L] -	1.095	0.891	0.983	1.008	0.891	0.935	0.986	0.978	0.974	0.950	0.973	0.963	
TTA[L] -	1.151	1.204	1.223	1.205	1.179 1.246	1.120	1.291	1.225	1.235	1.149	1.148	1.156	
TTG[L] - ATG[M] -	0.976	0.887	0.871	1.250 0.957	0.930	1.114 0.916	0.905	1.164 0.897	1.157 0.899	1.135 0.855	1.171 0.855	1.171 0.861	
AAC[N] -	0.962	0.910	0.896	0.854	0.903	0.874	0.886	0.891	0.938	0.895	0.932	0.919	
AAT[N] -	0.928	0.903	0.899	0.902	0.919	0.869	0.910	0.961	0.891	0.895	0.891	0.886	
CCA[P] -	1.199	1.240	1.215	1.103	1.099	1.177	1.181	1.181	1.251	1.229	1.212	1.229	
CCC[P] -	0.998	0.715	0.816	0.711	0.649	0.841	0.790	0.777	0.870	0.829	0.768	0.807	
CCG[P] -	1.033	1.118	1.111	0.978	1.041	1.179	1.175	1.056	1.201	1.239	1.217	1.194	
CCT[P] -	1.008	0.738	0.783	0.776	0.689	0.775	0.785	0.800	0.849	0.862	0.844	0.802	
CAA[Q] -	0.875	0.602	0.581	0.807	0.724	0.761	0.725	0.688	0.776	0.823	0.773	0.790	
CAG[Q] -	1.033	0.867	0.870	0.993 1.107	0.934	1.047 1.092	0.911	0.903 1.027	0.991 0.968	1.007 0.998	0.945 1.013	0.981	
AGA[R] - AGG[R] -	0.992	1.175	1.146	1.136	1.201	1.133	1.093	1.190	1.098	1.096	1.124	1.014	
CGA[R] -	0.798	0.635	0.444	0.686	0.514	0.546	0.522	0.408	0.483	0.442	0.483	0.456	
CGC[R] -	0.942	0.966	0.896	0.904	0.872	1.010	0.911	0.876	0.992	0.903	1.015	0.944	
CGG[R] -	0.869	0.312	0.320	0.547	0.337	0.325	0.344	0.365	0.320	0.367	0.320	0.362	
CGT[R] -	0.979	0.727	0.700	0.849	0.698	0.727	0.711	0.708	0.705	0.708	0.686	0.684	
AGC[S] -	1.075	1.116	1.148	1.021	1.159	1.175	1.099	1.123	1.140	1.146	1.187	1.127	
AGT[S] -	1.009	1.070	1.159	1.071	1.083	1.131	1.107	1.104	1.119	1.077	1.110	1.069	
TCA[S] -	1.102	1.125	1.104	1.025	1.084	1.029	1.120	1.104	1.168	1.106	1.064	1.077	
TCC[S] -	1.217	1.104	1.205	0.975	1.023 1.043	1.091	1.149	1.127 1.067	1.199	1.128	1.133	1.165	
TCG[S] - TCT[S] -	1.138	1.108	1.109	1.041	1.043	1.080	1.103	1.132	1.126	1.089	1.115 1.125	1.079	
ACA[T] -	0.892	0.686	0.760	0.736	0.645	0.720	0.696	0.703	0.710	0.710	0.639	0.705	
ACC[T] -	0.914	0.720	0.784	0.708	0.680	0.759	0.786	0.796	0.830	0.810	0.767	0.777	
ACG[T] -	0.911	0.834	0.929	0.877	0.885	0.968	0.928	0.895	0.976	0.957	0.858	0.882	
ACT[T] -	0.893	0.669	0.709	0.713	0.629	0.707	0.728	0.754	0.762	0.733	0.687	0.720	
GTA[V] -	0.947	1.080	1.109	1.084	1.094	1.050	1.038	1.015	0.982	1.013	0.999	1.004	
GTC[V] -	0.903	0.906	0.868	0.898	0.883	0.893	0.896	0.907	0.869	0.903	0.874	0.922	
GTG[V] -	0.884	0.955	0.922	0.976	0.954	0.977	0.926	0.891	0.886	0.889	0.915	0.903	
GTT[V] - TGG[W] -	0.896	0.946	0.966	0.950 0.777	0.975	0.938	0.936	0.926	0.948	0.907	0.911	0.968	
TAC[Y] -	1.307	1.405	1.468	1.285	1.434	1.362	1.393	1.460	1.417	1.386	1.432	1.410	
TAT[Y] -	1.235	1.458	1.504	1.344	1.488	1.329	1.413	1.448	1.411	1.330	1.404	1.317	
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