

GCA[A]	0.828	0.644	0.660	0.704	0.634	0.696	0.670	0.733	0.707	0.700	0.708	0.701
GCC[A]	0.951	0.889	1.059	0.833	0.885	1.022	1.000	1.021	1.011	1.054	1.150	1.099
GCG[A]	0.646	0.447	0.461	0.574	0.508	0.505	0.562	0.551	0.580	0.583	0.610	0.560
GCT[A]	0.940	1.008	1.010	0.914	1.021	1.051	1.019	1.023	1.039	1.045	1.065	1.076
TGC[C]	0.971	1.184	1.261	0.982	1.273	1.126	1.138	1.161	1.153	1.159	1.211	1.143
TGT[C]	0.911	1.589	1.427	1.276	1.576	1.340	1.374	1.474	1.279	1.276	1.355	1.269
GAC[D]	1.182	1.254	1.280	1.160	1.247	1.245	1.198	1.192	1.188	1.180	1.173	1.147
GAT[D]	1.264	1.557	1.512	1.359	1.479	1.465	1.447	1.434	1.412	1.350	1.401	1.370
GAA[E]	1.117	0.854	0.813	1.069	0.897	0.870	0.797	0.791	0.758	0.818	0.847	0.836
GAG[E]	1.250	1.052	0.989	1.178	1.084	1.022	0.929	0.940	0.889	0.948	1.006	0.940
TTC[F]	0.950	0.904	0.871	0.879	0.891	0.824	0.972	0.905	0.914	0.861	0.872	0.877
TTT[F]	0.906	0.962	0.928	0.942	0.911	0.849	0.955	0.898	0.899	0.875	0.896	0.905
GGA[G]	1.241	1.182	1.159	1.165	1.192	1.149	1.068	1.056	1.074	1.102	1.086	1.072
GGC[G]	1.153	0.989	1.042	1.119	1.007	1.081	0.935	0.999	1.030	1.014	1.031	0.976
GGG[G]	1.071	0.873	0.918	0.979	0.874	0.886	0.723	0.797	0.754	0.807	0.806	0.762
GGT[G]	1.179	1.280	1.262	1.196	1.236	1.302	1.156	1.153	1.153	1.153	1.170	1.181
CAC[H]	0.674	1.113	1.168	0.885	1.074	1.199	1.198	1.174	1.303	1.203	1.095	1.173
CAT[H]	0.820	1.407	1.441	1.162	1.438	1.397	1.424	1.421	1.594	1.434	1.303	1.335
ATA[I]	0.653	0.381	0.433	0.550	0.353	0.448	0.453	0.447	0.444	0.419	0.368	0.445
ATC[I]	0.991	0.817	0.861	0.927	0.760	0.888	0.967	0.974	0.978	0.906	0.808	0.930
ATT[I]	1.032	0.882	0.887	0.972	0.844	0.885	0.962	0.911	0.983	0.899	0.859	0.926
AAA[K]	1.041	0.956	0.910	1.135	0.996	0.915	0.956	0.965	0.918	1.043	1.041	1.032
AAG[K]	1.048	0.999	0.953	1.015	0.950	0.931	0.914	0.938	0.864	0.929	0.926	0.920
CTA[L]	0.889	0.811	0.822	0.845	0.820	0.854	0.858	0.855	0.861	0.867	0.877	0.869
CTC[L]	0.912	0.558	0.618	0.723	0.610	0.687	0.697	0.718	0.767	0.755	0.725	0.732
CTG[L]	0.897	0.760	0.774	0.830	0.799	0.899	0.843	0.796	0.802	0.855	0.882	0.894
CTT[L]	0.920	0.952	0.946	0.930	0.951	0.994	0.999	1.019	1.047	0.986	1.018	0.995
TTA[L]	0.950	0.838	0.809	0.931	0.884	0.809	0.861	0.840	0.839	0.836	0.844	0.831
TTG[L]	1.141	1.007	0.984	1.099	1.020	0.952	1.004	0.966	0.956	0.963	0.945	0.975
ATG[M]	0.858	0.813	0.830	0.916	0.923	0.892	0.894	0.923	0.905	0.914	0.933	0.895
AAC[N]	1.148	1.440	1.403	1.219	1.348	1.283	1.320	1.440	1.351	1.277	1.305	1.308
AAT[N]	1.128	1.503	1.453	1.314	1.411	1.363	1.419	1.390	1.376	1.312	1.328	1.318
CCA[P]	1.395	1.604	1.673	1.228	1.427	1.471	1.489	1.476	1.585	1.493	1.481	1.515
CCC[P]	1.166	1.455	1.570	1.060	1.275	1.514	1.489	1.571	1.678	1.562	1.644	1.566
CCG[P]	1.491	1.688	1.587	1.320	1.564	1.562	1.663	1.689	1.715	1.739	1.801	1.680
CCT[P]	1.437	2.010	2.188	1.444	1.802	2.055	1.957	1.927	2.123	2.002	2.043	1.993
CAA[Q]	0.720	0.954	0.921	0.960	1.021	1.011	0.995	0.928	0.965	0.974	1.060	1.043
CAG[Q]	1.033	1.254	1.293	1.216	1.370	1.417	1.249	1.276	1.317	1.352	1.352	1.371
AGA[R]	1.015	0.790	0.777	0.897	0.774	0.775	0.758	0.760	0.743	0.803	0.730	0.780
AGG[R]	0.865	0.442	0.445	0.687	0.412	0.506	0.409	0.385	0.419	0.425	0.389	0.411
CGA[R]	0.493	0.379	0.473	0.550	0.441	0.551	0.526	0.515	0.506	0.598	0.566	0.597
CGC[R]	0.800	0.608	0.665	0.709	0.691	0.703	0.712	0.688	0.816	0.730	0.724	0.704
CGG[R]	0.966	1.916	1.889	1.380	1.751	1.801	1.668	1.689	1.785	1.880	1.821	1.622
CGT[R]	0.738	0.705	0.728	0.769	0.767	0.828	0.804	0.802	0.861	0.869	0.711	0.800
AGC[S]	0.909	0.575	0.598	0.735	0.544	0.640	0.588	0.622	0.586	0.604	0.544	0.620
AGT[S]	0.947	0.703	0.700	0.839	0.649	0.690	0.682	0.660	0.653	0.681	0.650	0.680
TCA[S]	0.984	0.889	0.960	0.944	0.942	0.953	0.896	0.870	0.910	0.896	0.807	0.875
TCC[S]	1.163	1.122	1.127	1.024	1.104	1.150	1.171	1.163	1.230	1.160	1.161	1.172
TCG[S]	1.002	0.900	0.916	1.021	0.980	1.011	0.967	0.962	0.968	0.986	0.946	0.939
TCT[S]	1.180	1.236	1.238	1.169	1.280	1.223	1.315	1.275	1.248	1.265	1.308	1.258
ACA[T]	0.869	1.128	1.148	0.964	1.112	1.168	1.195	1.269	1.275	1.259	1.187	1.270
ACC[T]	0.904	1.014	1.054	0.878	1.080	1.119	1.119	1.116	1.151	1.156	1.222	1.152
ACG[T]	1.091	1.280	1.288	1.110	1.336	1.244	1.170	1.272	1.265	1.236	1.320	1.227
ACT[T]	0.887	1.099	1.167	0.982	1.155	1.179	1.224	1.181	1.211	1.228	1.284	1.183
GTA[V]	0.902	0.583	0.572	0.758	0.617	0.583	0.589	0.597	0.554	0.637	0.654	0.611
GTC[V]	0.838	0.626	0.610	0.752	0.686	0.712	0.680	0.700	0.679	0.743	0.745	0.715
GTG[V]	0.852	0.792	0.848	0.893	0.835	0.846	0.808	0.866	0.812	0.883	0.932	0.888
GTT[V]	0.858	0.686	0.700	0.770	0.775	0.698	0.691	0.744	0.697	0.733	0.784	0.724
TGG[W]	0.651	0.644	0.663	0.678	0.664	0.698	0.634	0.654	0.657	0.639	0.623	0.650
TAC[Y]	1.229	0.802	0.862	0.914	0.811	0.809	0.852	0.836	0.872	0.828	0.823	0.847
TAT[Y]	1.140	0.908	0.908	1.044	0.915	0.855	0.957	0.891	0.931	0.891	0.904	0.891

