Online Resource 2. Frequency of optimal codon (Fop), effective number of codon (ENC), GC percentage on the third codon position (GC3), and GC percentage of the coding region for female biased, male biased, and unbiased genes.

Female bias	Fop	ENC	GC$_3$	GC
CG10035	0.538	47.01	0.632	0.575
CG10206	0.642	42.57	0.746	0.557
CG11981	0.576	47.81	0.67	0.545
CG12276	0.471	55.79	0.589	0.518
CG13934	0.518	54.23	0.688	0.594
CG15717	0.594	40.87	0.759	0.589
CG16985	0.379	61	0.476	0.484
CG2222	0.642	42.62	0.75	0.557
CG3481	0.832	27.76	0.872	0.599
CG3509	0.409	57.45	0.494	0.486
CG3661	0.575	44.75	0.649	0.571
CG3831	0.537	47.83	0.728	0.539
CG4299	0.596	49.81	0.655	0.518
CG5272	0.407	58.72	0.577	0.542
CG5363	0.423	52.4	0.489	0.441
CG5499	0.564	47.44	0.671	0.589
CG5757	0.385	54.92	0.502	0.494
CG6459	0.582	46.25	0.703	0.536
CG7484	0.594	45.34	0.714	0.549
CG7840	0.559	48.76	0.668	0.526
CG9135	0.521	49.51	0.638	0.539
Male bias	Fop	ENC	GC$_3$	GC
CG10252	0.488	54.08	0.61	0.554
CG10623	0.509	53.75	0.602	0.535
CG10920	0.62	42.34	0.8	0.639
CG11379	0.59	44.24	0.749	0.627
CG11697	0.521	49.87	0.661	0.523
CG12395	0.218	53.54	0.291	0.371
CG12681	0.55	46.85	0.714	0.573
CG1314	0.542	43.45	0.727	0.579
CG13690	0.533	54.68	0.625	0.508
CG14629	0.684	36.79	0.858	0.613
CG14926	0.452	53.44	0.562	0.541
CG15179	0.498	56.13	0.604	0.477
CG15208	0.549	46.77	0.699	0.614
CG17376	0.534	61	0.625	0.587
CG18266	0.507	47.98	0.625	0.549
CG18418	0.567	48.68	0.723	0.582
CG1885	0.613	43.32	0.779	0.597
CG2555	0.482	43.83	0.565	0.591
CG2574	0.602	41.73	0.73	0.596

CG2577	0.652	39.24	0.808	0.598
CG3024	0.564	49.45	0.685	0.521
CG3085	0.598	44.13	0.715	0.55
CG3476	0.353	61	0.462	0.489
CG3483	0.503	53.76	0.626	0.524
CG3708	0.521	47.16	0.702	0.588
CG4593	0.638	43.64	0.739	0.571
CG5045	0.423	58.71	0.556	0.508
CG5565	0.472	58.28	0.575	0.533
CG5915	0.542	53.69	0.617	0.517
CG6036	0.434	58.29	0.537	0.491
CG6130	0.613	36.57	0.808	0.584
CG6332	0.628	39.68	0.828	0.607
CG6789	0.663	37.06	0.792	0.626
CG6971	0.519	53.54	0.582	0.515
CG6980	0.592	40.36	0.725	0.526
CG8277	0.498	56.19	0.57	0.466
CG8564	0.529	49.54	0.665	0.562
CG8844	0.713	41.03	0.787	0.589
CG9314	0.66	38.6	0.826	0.59
CG9531	0.571	49.17	0.682	0.532
Unbias	Fop	ENC	GC_3	GC
CG10853	0.391	57.75	0.478	0.606
CG11130	0.612	45.33	0.735	0.58
CG11785	0.52	52.35	0.633	0.502
CG12117	0.664	39.15	0.802	0.593
CG1239	0.352	61	0.423	0.443
CG12909	0.642	42.41	0.761	0.552
CG13189	0.595	42.63	0.738	0.594
CG13419	0.649	44.64	0.732	0.578
CG1397	0.639	39.87	0.806	0.598
CG14434	0.617	44.85	0.754	0.606
CG14717	0.487	53.9	0.663	0.548
CG14797	0.412	60.34	0.582	0.535
CG1503	0.544	49.17	0.704	0.579
CG15035	0.591	37.84	0.782	0.648
CG15336	0.477	60.71	0.614	0.547
CG17361	0.503	57.7	0.598	0.493
CG17404	0.431	56.16	0.538	0.529
CG1749	0.421	59.57	0.542	0.503
CG1751	0.546	51.09	0.638	0.532
CG18341	0.715	32.94	0.891	0.658
CG18553	0.565	46	0.732	0.568
CG1950	0.607	46	0.717	0.579
CG2867	0.501	50.9	0.625	0.562
CG3004	0.546	48.16	0.664	0.546

CG32409	0.48	51.66	0.54	0.498
CG3603	0.461	49.7	0.547	0.514
CG3652	0.463	54.84	0.579	0.513
CG3683	0.551	53.17	0.629	0.541
CG3704	0.645	42.8	0.763	0.576
CG3975	0.566	47.15	0.66	0.538
CG4236	0.53	51.69	0.65	0.529
CG4570	0.581	45.95	0.728	0.579
CG4973	0.417	57.96	0.513	0.49
CG5276	0.55	47.27	0.667	0.543
CG5662	0.703	32.31	0.934	0.682
CG5919	0.56	49.07	0.684	0.545
CG6094	0.569	47.24	0.663	0.566
CG6255	0.644	41.81	0.77	0.597
CG6554	0.524	50.07	0.609	0.493
CG6913	0.508	53.42	0.647	0.586
CG6981	0.638	35.29	0.737	0.549
CG7251	0.503	53.28	0.622	0.539
CG7508	0.646	41.94	0.735	0.585
CG7860	0.671	37.46	0.809	0.646
CG7953	0.755	33.59	0.836	0.578
CG8326	0.571	48.01	0.705	0.562
CG8392	0.607	42.52	0.688	0.559
CG8675	0.668	40.52	0.773	0.569
CG9125	0.467	55.6	0.575	0.493
CG9164	0.611	42.29	0.774	0.585
CG9273	0.483	51.47	0.61	0.514
CG9283	0.644	40.69	0.696	0.575
CG9383	0.559	53.4	0.649	0.533
CG9437	0.435	54.9	0.581	0.525
CG9617	0.626	49.11	0.747	0.553
CG9723	0.577	46.7	0.725	0.545
CG9893	0.612	47.16	0.707	0.578
CG9915	0.3	56.41	0.415	0.487
CG9919	0.461	56.05	0.576	0.499