

**Table S3. (a) SNP assignment of cat breeds to random bred cat populations.**

Breed	SNPs (N=148)								
	Racial Assignment	-log(L)							
		Europe	East Med	Egypt	IraqIran	Arabian Sea	India	South Asia	East Asia
Abyssinian	Europe	425.881	506.972	520.173	739.043	523.387	571.166	539.713	582.183
American SH	Europe	214.445	294.034	300.891	436.278	342.32	356.071	430.155	363.917
Australian Mist	South Asia	366.442	372.814	392.118	473.959	391.023	357.53	299.831	371.146
Bengal*	Europe	277.481	312.259	314.506	444.415	343.165	327.977	410.917	369.303
Birman	South Asia	562.439	514.619	489.325	571.811	466.884	398.272	357.638	494.121
British SH	Europe	266.189	351.574	383.015	509.425	386.181	402.229	499.062	426.489
Burmese	South Asia	537.957	494.594	510.756	554.652	452.18	353.1	232.359	408.667
Chartreux	Europe	243.214	287.905	310.595	392.542	328.31	306.122	390.676	340.836
Cornish Rex	Europe	317.191	368.372	358.46	488.121	383.104	360.937	413.799	403.094
Egyptian Mau	Europe	278.503	303.627	303.291	421.446	345.331	349.259	422.453	366.832
Exotic SH	Europe	275.475	367.195	380.41	532.774	391.854	408.132	500.594	423.104
H. Brown	South Asia	498.346	470.353	477.771	538.807	421.824	376.835	266.337	404.7
Japanese Bobtail	Europe	241.661	256.018	267.56	369.44	306.997	289.681	354.146	274.931
Korat	South Asia	783.086	710.194	728.915	728.005	569.748	497.518	241.988	544.729
Maine Coon	Europe	233.644	336.954	359.517	507.38	383.73	400.377	481.154	409.93
Manx	Europe	183.172	266.261	293.483	465.86	343.149	354.55	469.19	382.31
Norwegian Forrest	Europe	186.918	268.319	297.021	459.99	364.374	361.486	460.332	367.953
Ocicat*	South Asia	250.81	272.05	285.371	362.082	289.028	245.677	244.482	272.293
Persian	Europe	210.224	280.822	298.776	425.561	327.435	320.381	410.002	328.219
Ragdoll	Europe	238.285	277.549	295.736	393.95	342.598	302.199	364.068	309.321
Russian Blue	South Asia	426.363	443.64	443.657	549.342	451.198	439.924	406.281	478.247
Scottish Fold	Europe	285.089	410.698	439.66	579.88	419.796	453.876	548.531	480.68
Siamese	South Asia	521.766	481.206	493.075	520.538	417.91	356.165	196.049	363.29
Siberian	Europe	177.505	205.628	244.135	368.507	282.501	286.135	350.747	277.186
Singapura	South Asia	610.855	635.495	634.003	697.695	541.126	518.324	402.416	539.635
Sokoke	Arabian Sea	215.491	213.151	215.151	222.711	175.088	194.761	214.181	212.471
Sphynx	Europe	229.867	268.333	294.366	421.316	343.479	304.696	385.86	333.086
Turkish Angora*	Europe	206.309	215.369	239.522	346.148	308.088	297.611	395.989	324.211
Turksih Van	East Med	251.489	233.29	268.56	383.923	339.409	320.684	396.447	367.681

\* breeds assigned to different origins based on the genetic marker type. Likelihood values presented are negative log-likelihood values –the closer to zero, the more likely the assignment.

**Table S3. (b) STR assignment of cat breeds to random bred cat populations.**

Breed	STRs (N=38)								
	Racial Assignment	-log(L)							
		Europe	East Med	Egypt	IraqIran	Arabian Sea	India	South Asia	East Asia
Abyssinian	Europe	391.775	431.049	448.175	569.783	452.082	452.751	420.303	462.802
American SH	Europe	284.004	352.415	373.617	519.61	407.953	404.881	411.122	413.971
Australian Mist	South Asia	372.752	415.4	428.335	503.159	433.821	388.385	318.639	384.275
Bengal*	Arabian Sea	496.347	512.793	499.54	583.542	490.251	513.431	503.627	594.543
Birman	South Asia	619.802	624.199	691.233	784.48	627.696	611.122	404.846	619.715
British SH	Europe	365.836	462.364	494.534	697.257	542.932	520.762	538.64	553.998
Burmese	South Asia	538.86	574.707	602.871	650.149	543.725	469.352	328.296	480.689
Chartreux	Europe	288.091	333.218	364.422	471.369	420.547	380.17	383.442	377.357
Cornish Rex	Europe	369.25	437.788	446.038	555.609	468.858	428.47	394.753	477.392
Egyptian Mau	Europe	322.916	350.668	362.843	446.658	386.768	374.387	399.565	412.49
Exotic SH	Europe	431.298	514.268	536.769	706.318	563.227	579.773	541.912	574.013
H. Brown	South Asia	405.814	452.844	463.474	490.494	410.516	391.736	290.886	348.305
Japanese Bobtail	Europe	442.684	492.594	504.049	586.241	498.245	472.916	486.841	466.728
Korat	South Asia	724.631	720.932	769.557	773.995	605.694	574.06	298.912	623.147
Maine Coon	Europe	325.993	413.915	454.08	635.061	519.562	481.193	513.901	510.841
Manx	Europe	280.006	354.58	393.541	589.955	496.761	463.125	499.578	482.289
Norwegian Forrest	Europe	265.706	325.855	373.736	530.702	476.455	437.795	466.9	454.453
Ocicat*	Europe	283.111	305.428	301.617	383.669	328.11	300.313	287.939	319.107
Persian	Europe	304.615	380.994	409.462	529.928	455.066	438.168	449.052	414.575
Ragdoll	Europe	341.134	393.51	404.545	592.622	471.899	425.202	397.716	405.643
Russian Blue	South Asia	459.628	550.271	565.88	694.372	553.199	522.684	440.046	531.117
Scottish Fold	Europe	353.106	438.254	455.217	674.159	506.12	514.422	530.18	525.99
Siamese	South Asia	440.302	476.476	511.011	515.028	452.232	377.384	268.941	373.961
Siberian	Europe	272.587	305.993	346.585	514.722	453.233	405.521	428.93	411.038
Singapura	South Asia	529.943	593.678	581.331	723.339	530.853	516.217	377.292	562.624
Sokoke	Arabian Sea	275.548	271.011	274.846	286.448	218.947	248.466	244.002	300.134
Sphynx	Europe	381.955	446.644	456.938	607.529	461.321	471.637	426.769	491.009
Turkish Angora*	East Med	398.178	381.553	406.446	556.699	524.253	483.876	549.764	539.647
Turksih Van	East Med	452.401	387.724	427.429	577.663	525.23	477.131	505.265	549.053

\* breeds assigned to different origins based on the genetic marker type. Likelihood values presented are negative log-likelihood values –the closer to zero, the more likely the assignment.