Table S1. Linear Discriminate Analysis

Female A1221 (0.5) Female A1221 (0.5) Female A1221 (0.5) Female A1221 (0.5) Female A1221 (0.5) Female A1221 (0.5) Female A1221 (0.5)	mparison  Male A1221 (0.5) Female A1221 (1.0) Male A1221 (1.0) Female Vehicle Male Vehicle Female EB Male EB Female A1221 (1.0) Male A1221 (1.0)	Probability 0.51 0.81 0.42 0.65 0.72 0.26 0.20 0.16	Distance 41.77 27.79 41.66 40.26 34.30 46.96 48.00	Com A1221 (0.5) A1221 (0.5) A1221 (0.5) A1221 (1.0) A1221 (1.0) Vehicle	nparison A1221 (1.0) Vehicle EB Vehicle EB EB	Probability 0.80 0.65 0.32 0.12 0.77	Distance 27.66 40.60 46.35 56.94 28.84	Com A1221 (0.5) A1221 (0.5) A1221 (0.5) A1221 (1.0) A1221 (1.0)	parison A1221 (1.0) Vehicle EB Vehicle	Probability 0.59 0.20 0.26 0.26	Distance 39.91 60.40 53.42 49.10
Female A1221 (0.5) Female A1221 (0.5) Female A1221 (0.5) Female A1221 (0.5) Female A1221 (0.5)	Female A1221 (1.0) Male A1221 (1.0) Female Vehicle Male Vehicle Female EB Male EB Female A1221 (1.0)	0.81 0.42 0.65 0.72 0.26 0.20	27.79 41.66 40.26 34.30 46.96	A1221 (0.5) A1221 (0.5) A1221 (1.0) A1221 (1.0)	Vehicle EB Vehicle EB	0.65 0.32 0.12 0.77	40.60 46.35 56.94	A1221 (0.5) A1221 (0.5) A1221 (1.0)	Vehicle EB Vehicle	0.20 0.26 0.26	60.40 53.42
Female A1221 (0.5) Female A1221 (0.5) Female A1221 (0.5) Female A1221 (0.5)	Male A1221 (1.0) Female Vehicle Male Vehicle Female EB Male EB Female A1221 (1.0)	0.42 0.65 0.72 0.26 0.20	41.66 40.26 34.30 46.96	A1221 (0.5) A1221 (1.0) A1221 (1.0)	EB Vehicle EB	0.32 0.12 0.77	46.35 56.94	A1221 (0.5) A1221 (1.0)	EB Vehicle	0.26 0.26	53.42
Female A1221 (0.5) Female A1221 (0.5) Female A1221 (0.5)	Female Vehicle Male Vehicle Female EB Male EB Female A1221 (1.0)	0.65 0.72 0.26 0.20	40.26 34.30 46.96	A1221 (1.0) A1221 (1.0)	Vehicle EB	0.12 0.77	56.94	A1221 (1.0)	Vehicle	0.26	
Female A1221 (0.5) Female A1221 (0.5)	Male Vehicle Female EB Male EB Female A1221 (1.0)	0.72 0.26 0.20	34.30 46.96	A1221 (1.0)	EB	0.77		, ,			49.10
Female A1221 (0.5)	Female EB Male EB Female A1221 (1.0)	0.26 0.20	46.96	` '			28.84	A 1 2 2 1 (1 A)	ED		
` '	Male EB Female A1221 (1.0)	0.20		Vehicle	FR			A1221 (1.0)	EB	0.68	31.99
Female A1221 (0.5)	Female A1221 (1.0)		48.00			0.04	70.32	Vehicle	EB	0.06	56.56
	` '	0.16									
Male A1221 (0.5)	Male A1221 (1.0)		57.74								
Male A1221 (0.5)		0.57	39.77								
Male A1221 (0.5)	Female Vehicle	0.30	57.05								
Male A1221 (0.5)	Male Vehicle	0.15	60.99								
Male A1221 (0.5)	Female EB	0.08	68.77								
Male A1221 (0.5)	Male EB	0.19	53.09								
Female A1221 (1.0)	Male A1221 (1.0)	0.15	49.40								
Female A1221 (1.0)	Female Vehicle	0.16	54.76								
Female A1221 (1.0)	Male Vehicle	0.93	24.85								
Female A1221 (1.0)	Female EB	0.75	28.77								
Female A1221 (1.0)	Male EB	0.03	60.18								
Male A1221 (1.0)	Female Vehicle	0.11	61.94								
Male A1221 (1.0)	Male Vehicle	0.22	49.21								
Male A1221 (1.0)	Female EB	0.07	57.44								
Male A1221 (1.0)	Male EB	0.66	32.61								
Female Vehicle	Male Vehicle	0.30	50.41								
Female Vehicle	Female EB	0.04	69.55								
Female Vehicle	Male EB	0.03	67.16								
Male Vehicle	Female EB	0.88	28.77								
Male Vehicle	Male EB	0.08	55.16								
Female EB	Male EB	0.01	65.14								

Table S1. Systematic pairwise comparisons were made via linear discriminate analysis (LDA) of the entire dataset. Both probability and Mahalanobis distance values are shown for all animals (A), or for each sex separately (Females, B; Males, C). Instances of significant separation between compared behavioral datasets are shown in bold.