

**Supporting Information 2. Classification results of respiratory waveforms in Grade 0 pugs, French bulldogs, and bulldogs using quadratic discriminant analysis (QDA)**

Dog	Breed	pp_PD	pp_FB	pp_BD	Classification results
PD1	Pug	<b>1.0000</b>	0.0000	0.0000	Pug
PD2	Pug	<b>0.9240</b>	0.0090	0.0670	Pug
PD3	Pug	<b>0.6488</b>	0.3427	0.0085	Pug
PD4	Pug	<b>0.8749</b>	0.0001	0.1250	Pug
PD5	Pug	<b>0.9999</b>	0.0000	0.0000	Pug
PD6	Pug	<b>1.0000</b>	0.0000	0.0000	Pug
PD7	Pug	<b>0.9999</b>	0.0001	0.0000	Pug
FB1	French bulldog	0.0024	<b>0.6432</b>	0.3545	French bulldog
FB2	French bulldog	0.0001	<b>0.9999</b>	0.0000	French bulldog
FB3	French bulldog	0.1372	<b>0.8455</b>	0.0173	French bulldog
FB4	French bulldog	0.0000	<b>1.0000</b>	0.0000	French bulldog
FB5	French bulldog	0.0556	<b>0.4734</b>	0.4709	French bulldog
FB6	French bulldog	0.0000	<b>0.9999</b>	0.0001	French bulldog
FB7	French bulldog	0.0000	<b>0.9959</b>	0.0041	French bulldog
FB8	French bulldog	0.0000	<b>1.0000</b>	0.0000	French bulldog
FB9	French bulldog	0.0050	<b>0.9891</b>	0.0059	French bulldog
FB10	French bulldog	0.0000	<b>1.0000</b>	0.0000	French bulldog
BD1	Bulldog	0.0000	0.0000	<b>1.0000</b>	Bulldog
BD2	Bulldog	0.0000	0.0000	<b>1.0000</b>	Bulldog
BD3	Bulldog	0.0000	0.0000	<b>1.0000</b>	Bulldog
BD4	Bulldog	0.0005	0.0019	<b>0.9975</b>	Bulldog
BD5	Bulldog	0.0188	0.0003	<b>0.9809</b>	Bulldog
BD6	Bulldog	0.0939	0.0030	<b>0.9031</b>	Bulldog
BD7	Bulldog	0.0034	0.0047	<b>0.9920</b>	Bulldog
BD8	Bulldog	0.0000	0.0000	<b>1.0000</b>	Bulldog
BD9	Bulldog	0.0000	0.3701	<b>0.6299</b>	Bulldog
BD10	Bulldog	0.0000	0.0000	<b>1.0000</b>	Bulldog
pp= posterior probability generated from QDA; PD= pug dog; FB= French bulldog; BD= bulldog					