

Supplementary Materials: A Genomic Study of Myxomatous Mitral Valve Disease in Cavalier King Charles Spaniels

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Table S1. Proportion of cases and controls showing a run of homozygosity in regions flanking selected genes.

Gene	Cases (n = 16)	Controls (n = 17)	Difference between cases and controls
STEAP2	0.55	0.09	0.46
HEPACAM2	0.50	0.05	0.45
CDK6	0.50	0.06	0.44
ARNT2	0.80	0.42	0.38
KIAA1024	0.79	0.41	0.38
FAH	0.80	0.42	0.38
BCAR1	0.44	0.10	0.34
RAB10	0.38	0.12	0.26
PPP2R2C	0.65	0.40	0.25
LATS1	0.57	0.34	0.23
PDE1A	0.62	0.43	0.19
NRG1	0.50	0.32	0.18
TBC1D14	0.59	0.44	0.15
RAB3GAP1	0.08	0.05	0.03
UBXN4	0.04	0.01	0.02
ZRANB3	0.04	0.02	0.01
PLCB2	0.19	0.17	0.01
PDE3A	0.32	0.32	0.00
ADCY9	0.00	0.00	0.00
AXIN1	0.00	0.00	0.00
CACNA1H	0.00	0.00	0.00
CREBBP	0.00	0.00	0.00
PDPK1	0.00	0.00	0.00
SLC8A2	0.00	0.00	0.00
TRAP1	0.00	0.00	0.00
TCF7L1	0.26	0.27	-0.01
SMAD3	0.20	0.24	-0.04
TLN2	0.30	0.35	-0.05
WNT2	0.08	0.18	-0.10
CTNNA1	0.18	0.27	-0.10
ADCYAP1R1	0.06	0.18	-0.11
FRRS1L	0.17	0.28	-0.12
EPB41L4B	0.17	0.29	-0.12
LPAR1	0.17	0.29	-0.12
CTNNA3	0.06	0.20	-0.14
PRKD1	0.22	0.38	-0.17
ADCY2	0.25	0.43	-0.18
ITPR2	0.35	0.57	-0.22