Equine Veterinary Journal

Supplementary Item 1: Multivariable modelling of the association between kinematic data and horse and surface.

		Model									
		By horse (n = 282)					Surface corrected (n =677)				
Variable	Activity	LSM	SE				LSM	SE			
HDmin	Left	1.81	0.95	b	a		1.66	0.87	b	a*	
	Straight	0.40	0.95	b		a	0.43	0.88	b		a
	Right	-2.33	0.95		a	a	-2.55	0.88		a*	a
HDmax	Left	-3.35	0.73	a	a*		-3.32	0.68	a*	a*	
	Straight	-0.10	0.73	a		a	-0.09	0.70	a*		a
	Right	2.14	0.73		a*	a	2.69	0.69		a*	a
PDmin	Left	-4.20	0.46	a*	a*		-4.00	0.39	a*	a*	
	Straight	-0.29	0.46	a*		a*	-0.27	0.40	a*		a*
	Right	3.84	0.46		a*	a*	3.87	0.39		a*	a*
PDmax	Left	1.20	NA	b	a*		1.03	NA	b	a*	
	Straight	0.57	NA	b		a	0.65	NA	b		a
	Right	-0.75	NA		a*	a	-0.41	NA		a*	a

LSM = Least square means, SE = Standard error. Pair-wise comparison within a variable is indicated with a letter, a = $p<0.05$, a* = $p<0.001$, b = non-significant.