

**S6 Table. Parameters and goodness of fit of the third order regression curves used to HRdp determination in each dog.**

ID dog	Parameters				Goodness of fit	
	B0	B1	B2	B3	R <sup>2</sup>	P value
<b>1*</b>	-	-	-	-	-	-
<b>2</b>	117.1	-0.002892	8.079e-005	-7.308e-008	0.256	< 0.0001
<b>3</b>	142.3	-0.09715	0.0002575	-1.418e-007	0.770	< 0.0001
<b>4</b>	131.1	-0.1462	0.0004150	-2.587e-007	0.559	< 0.0001
<b>5</b>	114.9	-0.005188	9.832e-005	-6.553e-008	0.858	< 0.0001
<b>6</b>	169.6	-0.1613	0.0003919	-2.114e-007	0.826	< 0.0001
<b>7</b>	89.0	-0.08894	0.0003651	0.8721	0.866	< 0.0001
<b>8</b>	101.9	-0.08194	0.0002591	-1.498e-007	0.898	< 0.0001
<b>9</b>	161.6	-0.1200	0.0003047	-1.602e-007	0.908	< 0.0001
<b>10</b>	140.6	-0.09608	0.0002811	-1.572e-007	0.797	< 0.0001
<b>11<sup>#</sup></b>	65.7	-0.03111	8.776e-005	-2.731e-008	0.619	< 0.0001
<b>12</b>	131.6	-0.09618	0.0002864	-1.582e-007	0.872	< 0.0001
<b>13</b>	143.7	-0.08847	0.0002442	-1.345e-007	0.716	< 0.0001
<b>14<sup>#</sup></b>	102.5	0.07301	-0.0001681	1.074e-007	0.117	< 0.0001

\* The dog refused to walk on the treadmill and was exempted from exercise

# Not used in the HRdp determination because there is no downward inflection