

**Table S1.** Mean, standard deviation (SD), minimum, maximum, and standard error for 109 stallions of the recorded semen quality traits for 1039 ejaculates

<b>Trait</b>	<b>Mean</b>	<b>SD</b>	<b>Min</b>	<b>Max</b>
VOL [ml]	22.35	13.53	2.00	100.00
CON [ $10^6$ /ml]	282.60	103.98	42.00	615.00
TSC [ $10^9$ ]	5.75	3.11	0.58	23.93
PM [%]	80.07	8.76	50.00	90.00
PMAT [%]	34.84	8.45	5.00	60.00

VOL: gel-free volume [ml], CON: Sperm concentration in the gel-free volume [ $10^6$ /ml], TSC: Total sperm count [ $10^9$ ], PM: Progressive motility [%], PMAT: Progressive motility after thaw [%]