

Table S3: The age, sex, glycogen synthase 1 (GYS1) mutation status, number of horses with PAS positive aggregates and number of horses with 4 or more fibres with desmin aggregates for control, type 2 polysaccharide storage myopathy (PSSM2) and myofibrillar myopathy (MFM) presented by breed (Warmblood (WB) and Arabian (AR)).

	Warmblood			Arabian		
	Control	PSSM2	MFM	Control	PSSM2	MFM
N	54	55	37	30	18	30
Age (y)	8.6 ± 4.3	9.7 ± 4.7	10.1 ± 4.8	12.4 ± 5.9	13.2 ± 3.8	13.9 ± 5.7
Sex	20 f, 33 mc, 1 s	19 f, 34 mc, 2 s	15 f, 19 mc, 2 s, 1 un	22 f, 8 mc	10 f, 8 mc	18 f, 12 mc
GYS1 mutation	neg	neg	neg	nd	9 neg, 9 nd	13 neg, 17 nd
PAS aggregates	0	55	24	0	18	18
Desmin aggregates	0	24	37	0	18	30

f = female; mc = male castrate; s = stallion; un = unknown

neg = negative; nd = not done

GYS1 = glycogen synthase 1

PAS= periodic acid Schiff's

PSSM2 = Polysaccharide storage myopathy type 2

MFM = Myofibrillar Myopathy