





Phenotypes of t	he FM	breed					
<ul> <li>Since 2006, breeding values are estimated for 43 traits using a multi-trait animal model ("BLUP").</li> </ul>							
Traits (phenotypes)	Judged	Described	Measured	Total			
Conformation traits	3	24	1	28			
Performance traits (Field test for driving and riding)		12		12			
White markings		3		3			
Agroscope, Swiss National Stud Farm (SNSTF) and F — International Workshop on Linear Profiling   Annik Gme	ranches-Montagnes (F	M) association, 2015	of Bern	4			

## II.3 (A. Gmel)













U	Repeatability and consistency of
	angle measurements

	First digitiser (1209)		Second digitiser (179)		Between digitisers (62)
	Repeatability (same photo)	Consistency (same horse)	Repeatability (same photo)	Consistency (same horse)	Repeatability Mean photo
Poll (1)	0.98	0.56	0.98	0.82	0.92
Neck (2)	0.90	0.50	0.91	0.56	0.71
Shoulder (3)	0.81	0.37	0.44	0.29	0.054
Elbow (4)	0.67	0.31	0.62	0.42	0.59
Carpus (5)	0.56	0.33	0.27	0.071	0.17
Fetlock forelimb (6)	0.76	0.42	0.59	0.50	0.57
Croup (7)	0.89	0.57	0.85	0.79	0.16
Patella (8)	0.90	0.55	0.85	0.79	0.16
Hock (9)	0.76	0.42	0.67	0.46	0.75
Fetlock hindlimb (10)	0.81	0.57	0.76	0.50	0.73









Compar	e digitising before	e regrouping the s	amples
	Intra-repeatability (19 photos)	Between digitisers	-
Poll	0.97	0.92	
Neck	0.75	0.13	
Shoulder	0.77	0.19	Berl -
Elbow	0.76	0.63	
Carpus	0.65	0.49	
Fetlock forelimb	0.84	0.80	• •
Croup	0.84	0.61	° °
Patella (knee)	0.94	0.91	-
Hock	0.95	0.97	R = 0.79 / ICC = 0.99
Fetlock hindlimb	0.89	0.81	-



