





















		_				vit 🎽	
Genetic evaluation: frequ	ent	ly u	se	d s	ires		
Trait	Mean	Std	Min	Max	Year of birth	No. of sire	
WALK Freedom of shoulders [short - long]	101.47	18.02	57	159	1980-1990	4	
WALK Reach of hind limbs (overstepping) [inactive (short) - active (long)]	101.61	17.53	55	151	1991-1995	16	
TROT Freedom of shoulders [short - long]	106.26	18.75	55	148	1996-2000	20	
TROT Mechanics of front limbs [straight forelimb - much knee action]	106.72	18.81	72	150	2001-2005	33	
TROT Impulsion [weak - powerful]	107.96	17.77	72	164	2006-2010	46	
TROT Thrust (hind limb activity) [inactive, sluggish - active, energetic]	108.61	19.33	62	159	2011-2013	18	
TROT Carrying power [pushing - carrying]	106.80	20.13	70	155	Total	137	
TROT Suppleness [tense - supple]	104.18	15.28	69	151			
CANTER Freedom of shoulders [short - long]	102.23	13.48	67	134			
CANTER Mechanics of front limbs [straight forelimb - much knee action]	102.20	14.60	63	136			
CANTER Direction of movement [downhill - uphill]	103.49	13.68	74	133			
CANTER Thrust (hind limb activity) [inactive, sluggish - active, energetic]	103.98	15.32	74	145			
JUMPING Rhythm [not fluent - fluent]	98.55	11.90	65	132			
JUMPING Take-off power [weak - powerful]	99.81	12.74	72	134	Results from genetic evaluation 2017 for frequently used sires with sire distribution by year of birth (above) and information on distribution of indices for linear traits in these sires (left)		
JUMPING Reflexes [slow, inflexible - quick, flexible]	99.28	12.58	79	173			
JUMPING Attention [inattentive - attentive]	99.28	13.15	72	171			
JUMPING Overview [little - much]	99.02	9.82	74	137			
JUMPING Jumping ability [little scope - much scope]	99.01	16.91	71	148			
JUMPING Foreleg angulation [straight - angulated]	98.04	12.89	67	150			
JUMPING Foreleg angulation [uneven]	99.18	10.47	66	138			
JUMPING Back technique (bascule) [hollow back - rounded back]	98.51	12.81	72	149			
JUMPING Hind leg technique (haunches) [tight - open]	98.18	8.77	80	129			

Genetic profiles	& n	hen	otvi	nes	of n	rnge	anv vit 🖥
	Index:	<80	80-90	91-109	110-119	>119	,
WALK Freedom of shoulders	N	12	29	51 105	24	17	
[short - long]	mLF	-0.04	0.00	0.15	0.23	0.33	
	mLA	-0.12	-0.06	0.04	0.17	0.26	
WALK Reach of hind limbs	N	14	26	54	29	14	
(overstepping) [inactive (short) - active (long)]	mLF	0.10	0.02	0.19	0.32	0.36	
	mLA	-0.12	0.02	0.12	0.20	0.44	
TROT Freedom of shoulders [short - long]	N	11	18	42	32	34	
	mLF	-0.20	-0.03	0.16	0.31	0.49	
	mLA	-0.13	-0.04	0.06	0.20	0.29	
TROT Mechanics of front limbs	Ν	13	16	53	16	39	
[straight forelimb - much knee action]	mLF	-0.15	0.27	0.27	0.48	0.64	
	mLA	-0.03	0.16	0.19	0.26	0.57	
TROT Impulsion	N	7	19	48	29	34	
[weak - powerful]	mLF	0.15	0.19	0.43	0.63	0.86	
	mLA	0.01	0.03	0.21	0.38	0.51	
TROT Thrust (hind limb activity)	N	7	19	47	26	38	Results from genetic
[inactive, sluggish - active, energetic]	mLF	0.19	0.25	0.37	0.52	0.74	evaluation 2017 for frequently used sires
	mLA	0.08	0.11	0.29	0.43	0.61	with number of sires (N
TROT Carrying power	N	8	24	48	23	34	and mean linear values
[pushing - carrying]	mLF	-0.38	-0.19	-0.10	0.06	0.19	in their progeny (foals,
	mLA	-0.20	-0.19	-0.09	0.03	0.13	mLF; adult horses, mLA)
TROT Suppleness	N	7	12	74	23	21	by classes of indices for
[tense - supple]	mLF	-0.15	0.00	0.06	0.11	0.20	linear traits
	mLA	-0.11	-0.16	-0.01	0.14	0.08	



