













	Development	→ Testing —	→ Validation
Location	Canada	Netherlands	World wide
Farms	1	15	431
Sows	10,910	65,826	831,855
Records	57,135	263,274	3,197,813
Year	2004-2012	2007-2013	2007-2013



























Genetic variance in uniformity in pigs					
Line	Trait		varav	GCV ve	h2v
Large White	Piglet birth w	/eight	0.04	0.19	0.01
Landrace	Piglet birth w	veight	0.04	0.21	0.01
Pietrain	Carcass weig	Iht	0.05	0.22	0.01
Large White	Total number	r born	0.03	0.17	0.01
Sell-Kubiak et al. 2015. J. Anim Sci. 93:900-911 Sell-Kubiak et al. 2015. J. Anim. Sci. 93:1471-1480 Sell-Kubiak et al. 2015. BMC Genomics 16:1049				911 L-1480 )49	

Genetic variance in uniformity dairy cattle				
Trait		varav	GCV ve	h2v
milk NL		0.03	0.19	<0.01
milk Sweden		0.05	0.22	0.01
SCS Sweden		0.05	0.21	0.01
SCS Robustmilk farms		0.08	0.28	0.01
milk Belgium		0.03	0.17	<0.01
SCS Belgium		0.03	0.16	<0.01
SFA Belgium		0.01	0.12	<0.01
UFA Belgium		0.02	0.12	<0.01
C18:1 cis-9 Belgium		0.02	0.12	<0.01
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Genetic varian	ce in unifor	mity	/ laying	hens	
Trait		varav	GCV ve	h2v	
Egg color purebreds		0.08	0.28	0.01	
Egg color crossbreds		0.07	0.26	0.01	
<ul> <li>Across species:</li> <li>Heritability at heritability at</li> <li>GCV high</li> </ul>	individual record litter level/repea	d level ated ob	is low, BU servations	T ~ 0.10	
	Mulder et al. 20:	16. GSE 4	8:39		



Gei litte	nome-wide ass er size	sociation	s for	uniformity	
ssc	Most sign. SNP	Position (Mbp)	BF	Gen. var. expl. by SNP (%)	
7	INRA0025193	43.76	167.2	0.50	
7	ASGA0031511	17.47	36.6	0.06	
Uniformity of litter size seems rather polygenic					
<b></b> .	NIVERBITY & RESEARCH	-Kubiak et al., 20:	15. BMC Ge	enomics 16:1049	









