

2017 Shetland Sheepdog DMS test results*

Clemson, VetGen & OptiGen Laboratories

	Total tested all genotypes		USA	Can	Fra	Ger	Belg	UK	Brazil	Asia	Other
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Totals all	701	100%	531	44	81	23	2	7	10	1	2
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			USA	Can	Fra	Ger	Belg	UK	Brazil	Asia	Other
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Total low risk

A, B genotype	DLA-DRB1		
		598	85%

aabb	002:01/002:01	107	84	4	11	2	1	3	1	1	0
aabb	002:01/ 023:01	22	19	1	0	2	0	0	0	0	0
aabb	023:01/023:01	4	4	0	0	0	0	0	0	0	0
aabb	002:01/ 015:01	4	0	0	3	1	0	0	0	0	0
Aabb	002:01/002:01	70	53	3	11	3	0	0	0	0	0
Aabb	002:01/ 023:01	19	15	3	0	1	0	0	0	0	0
Aabb	023:01/023:01	4	4	0	0	0	0	0	0	0	0
aaBb	002:01/002:01	159	126	12	15	3	0	1	1	0	1
aaBb	002:01/ 023:01	53	42	6	2	3	0	0	0	0	0
aaBb	023:01/023:01	7	4	0	1	0	0	1	1	0	0
aaBb	002:01/ 015:01	5	4	0	1	0	0	0	0	0	0
AaBb	002:01/002:01	97	64	4	18	6	1	0	4	0	0
AaBb	002:01/ 023:01	27	20	6	0	0	0	1	0	0	0
AaBb	023:01/023:01	3	3	0	0	0	0	0	0	0	0
AaBb	002:01/ 015:01	2	0	0	1	1	0	0	0	0	0
aaBB	002:01/ 023:01	14	11	2	0	0	0	0	0	0	1
aaBB	002:01/ 015:01	1	1	0	0	0	0	0	0	0	0

Total low/ country			454	41	63	22	2	6	7	1	2
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Moderate Risk	USA	Can	Fra	Ger	Belg	UK	Brazil	Asia	Other
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Total moderate risk

A, B genotype	DLA-DRB1	60	9%
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AAbb	002:01/002:01	8	4	0	3	0	0	1	0	0	0
AAbb	002:01/ 023:01	2	2	0	0	0	0	0	0	0	0
aaBB	002:01/002:01	36	32	2	0	0	0	0	2	0	0
AaBB	002:01/ 023:01	8	8	0	0	0	0	0	0	0	0
AaBB	002:01/ 015:01	2	0	0	2	0	0	0	0	0	0
AABb	002:01/ 023:01	4	4	0	0	0	0	0	0	0	0

Total mod/ country	50	2	5	0	0	1	2	0	0
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High risk	USA	Can	Fra	Ger	Belg	UK	Brazil	Asia	Other
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Total high risk

A, B genotype	DLA-DRB1	33	5%
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AABb	002:01/002:01	8	6	0	2	0	0	0	0	0	0
AaBB	002:01/002:01	23	16	0	5	1	0	0	1	0	0
AABB	002:01/002:01	1	1	0	0	0	0	0	0	0	0
AABB	002:01/ 023:01	1	1	0	0	0	0	0	0	0	0

Total high/ country	24	0	7	1	0	0	1	0	0
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Unknown risk	USA	Can	Fra	Ger	Belg	UK	Brazil	Asia	Other
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Total Unknown Risk

A, B genotype	DLA-DRB1	10	1%
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AaBB	023:01/023:01	2	1	1	0	0	0	0	0	0	0
AaBB	015:01/015:01	1	0	0	1	0	0	0	0	0	0
aaBB	015:02/023:01	1	1	0	0	0	0	0	0	0	0
aaBB	023:01/023:01	1	1	0	0	0	0	0	0	0	0
AaBb	002:01/ 006:01	1	0	0	1	0	0	0	0	0	0
Aabb	002:01/ 006:01	2	0	0	2	0	0	0	0	0	0
AABb	002:01/ 006:01	1	0	0	1	0	0	0	0	0	0
AAbb	002:01/ 006:01	1	0	0	1	0	0	0	0	0	0

Total unk/country		3	1	6	0	0	0	0	0	0	0
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*Data do not reflect the incidence of DMS within the breed as it is **not** a random sampling of Shelties within the general population. One can only assess the distribution of genotypes of the dogs tested.