

All data as of Dec-31-2021

Dysplastic rank, all breeds with more than 100 cases

		Normals		Equivocal or Carrier		Abnormal	
Hips	131 of 196	234	91.76%	1	0.39%	20	7.84%
Elbow	60 of 138	128	94.12%	0		8	5.88%
Congenital Cardiac		7	100.00%	0		0	
Thyroid		5	71.43%	2	28.57%	0	
Dominant Black		3	100.00%	0		0	
Multiple Drug Resistance (Mdr1)		1	100.00%	0		0	
Basic Cardiac		4	100.00%	0		0	
Cone Rod Dystrophy		1	100.00%	0		0	
Mizzou Biomarker Study		1	100.00%	0		0	
Primary Lens Luxation		166	86.46%	26	13.54%	0	
Mcr1 (Elocus)		1	100.00%	0		0	
Cystinuria		2	100.00%	0		0	
Degenerative Myelopathy		169	88.48%	22	11.52%	0	
D Locus		1	100.00%	0		0	
OFA EYE Registry		60	100.00%	0		0	
Dentition Database		3	100.00%	0		0	
Agouti		3	100.00%	0		0	
Brown (Typr 1)		1	100.00%	0		0	
Advanced Cardiac		3	100.00%	0		0	
Patella		160	95.24%	0		8	4.76%

**Percent submitted to the open registry**  
**Hips**

Report year	Cases	Excellent %	Good %	Fair %	Borderline %	Mild %	Moderate %	Severe %
2000	6	0	6 100.00%	0	0	0	0	0
2003	3	1 33.33%	1 33.33%	1 33.33%	0	0	0	0
2004	5	0	4 80.00%	1 20.00%	0	0	0	0
2005	5	1 20.00%	4 80.00%	0	0	0	0	0
2006	4	0	2 50.00%	1 25.00%	0	1 25.00%	0	0
2007	5	3 60.00%	2 40.00%	0	0	0	0	0
2008	2	1 50.00%	1 50.00%	0	0	0	0	0
2009	2	0	1 50.00%	0	0	0	1 50.00%	0
2010	9	3 33.33%	3 33.33%	0	0	3 33.33%	0	0
2011	11	1 9.09%	6 54.55%	2 18.18%	0	2 18.18%	0	0
2012	7	0	7 100.00%	0	0	0	0	0
2013	7	0	6 85.71%	1 14.29%	0	0	0	0
2014	8	0	6 75.00%	2 25.00%	0	0	0	0
2015	17	2 11.76%	14 82.35%	0	0	0	1 5.88%	0
2016	14	3 21.43%	9 64.29%	1 7.14%	0	1 7.14%	0	0
2017	19	3 15.79%	13 68.42%	2 10.53%	0	0	0	1 5.26%
2018	29	4 13.79%	22 75.86%	1 3.45%	1 3.45%	1 3.45%	0	0
2019	25	8 32.00%	12 48.00%	2 8.00%	0	3 12.00%	0	0
2020	32	6 18.75%	19 59.38%	6 18.75%	0	1 3.13%	0	0
2021	44	10 22.73%	27 61.36%	2 4.55%	0	3 6.82%	1 2.27%	1 2.27%
<b>Totals</b>	<b>255</b>	<b>46 18.04%</b>	<b>166 65.10%</b>	<b>22 8.63%</b>	<b>1 0.39%</b>	<b>15 5.88%</b>	<b>3 1.18%</b>	<b>2 0.78%</b>



**Elbow**

<i>Report Year</i>	<i>Cases</i>	<i>Normal %</i>	<i>Grade 1 %</i>	<i>Grade 2 %</i>	<i>Grade 3 %</i>	<i>Borderline %</i>
2000	1	1 100.00%				
2003	3	3 100.00%				
2005	5	5 100.00%				
2006	3	3 100.00%				
2007	1	1 100.00%				
2009	2	2 100.00%				
2010	6	5 83.33%	1 16.67%			
2011	6	6 100.00%				
2012	3	3 100.00%				
2013	1	1 100.00%				
2014	1	1 100.00%				
2015	7	6 85.71%	1 14.29%			
2016	7	7 100.00%				
2017	10	10 100.00%				
2018	16	16 100.00%				
2019	15	13 86.67%	2 13.33%			
2020	16	14 87.50%	2 12.50%			
2021	33	31 93.94%	1 3.03%	1 3.03%		
<b>Totals</b>	<b>136</b>	<b>128 94.12%</b>	<b>7 5.15%</b>	<b>1 0.74%</b>		



**Advanced Cardiac**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
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**Pumi**

2018	1	1	100.0				
2019	2	2	100.0				
<b>Totals</b>	<b>3</b>	<b>3</b>	<b>100.0</b>				

**Agouti**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
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**Pumi**

2017	2	2	100.0				
2020	1	1	100.0				
<b>Totals</b>	<b>3</b>	<b>3</b>	<b>100.0</b>				

**Brown (Typr 1)**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
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**Pumi**

2020	1	1	100.0				
<b>Totals</b>	<b>1</b>	<b>1</b>	<b>100.0</b>				

**Cone Rod Dystrophy**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
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**Pumi**

2021	1	1	100.0				
<b>Totals</b>	<b>1</b>	<b>1</b>	<b>100.0</b>				

**Congenital Cardiac**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
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**Pumi**

2001	1	1	100.0				
2005	1	1	100.0				
2016	1	1	100.0				
2017	1	1	100.0				
2018	2	2	100.0				
2020	1	1	100.0				
<b>Totals</b>	<b>7</b>	<b>7</b>	<b>100.0</b>				

**Cystinuria**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
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**Pumi**

### Cystinuria

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
2020	2	2	100.0				
<b>Totals</b>	<b>2</b>	<b>2</b>	<b>100.0</b>				

### D Locus

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>		
2020	1	1	100.0				
<b>Totals</b>	<b>1</b>	<b>1</b>	<b>100.0</b>				

### Degenerative Myelopathy

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
2011	12	10	83.3			2	16.7
2012	2	2	100.0				
2013	11	9	81.8			2	18.2
2014	22	17	77.3			5	22.7
2015	18	14	77.8			4	22.2
2016	23	19	82.6			4	17.4
2017	28	27	96.4			1	3.6
2018	20	16	80.0			4	20.0
2019	11	11	100.0				
2020	35	35	100.0				
2021	9	9	100.0				
<b>Totals</b>	<b>191</b>	<b>169</b>	<b>88.5</b>			<b>22</b>	<b>11.5</b>

### Dentition Database

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
2018	2	2	100.0				
2020	1	1	100.0				
<b>Totals</b>	<b>3</b>	<b>3</b>	<b>100.0</b>				

### Dominant Black

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
2017	2	2	100.0				
2020	1	1	100.0				
<b>Totals</b>	<b>3</b>	<b>3</b>	<b>100.0</b>				

### Eyes

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Breeder opt.</i>	<i>% Breeder opt.</i>
<b>Pumi</b>							
2012	1	1	100.0				
2013	2	2	100.0				
2014	8	8	100.0				
2015	6	6	100.0				
2016	1	1	100.0				
2017	12	10	83.3			2	16.7
2018	8	7	87.5			1	12.5
2019	16	14	87.5			2	12.5
2020	2	2	100.0				
2021	4	4	100.0				
<b>Totals</b>	<b>60</b>	<b>55</b>	<b>91.7</b>			<b>5</b>	<b>8.3</b>

### Mcr1 (Elocus)

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>Pumi</b>							
2020	1	1	100.0				
<b>Totals</b>	<b>1</b>	<b>1</b>	<b>100.0</b>				

### Merle

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>Pumi</b>							
2020	1					1	100.0
<b>Totals</b>	<b>1</b>					<b>1</b>	<b>100.0</b>

### Multiple Drug Resistance (Mdr1)

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>Pumi</b>							
2020	1	1	100.0				
<b>Totals</b>	<b>1</b>	<b>1</b>	<b>100.0</b>				

### Patella

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
<b>Pumi</b>							
2004	1	1	100.0				
2008	1	1	100.0				
2010	1	1	100.0				
2011	2	1	50.0	1	50.0		
2013	14	14	100.0				
2014	11	11	100.0				
2015	10	10	100.0				

**Patella**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
2016	10	10	100.0				
2017	17	16	94.1	1	5.9		
2018	27	25	92.6	2	7.4		
2019	19	19	100.0				
2020	25	25	100.0				
2021	30	26	86.7	4	13.3		
<b>Totals</b>	<b>168</b>	<b>160</b>	<b>95.2</b>	<b>8</b>	<b>4.8</b>		

**Primary Lens Luxation**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>Pumi</b>							
2011	9	9	100.0				
2013	10	8	80.0			2	20.0
2014	29	25	86.2			4	13.8
2015	12	5	41.7			7	58.3
2016	26	21	80.8			5	19.2
2017	27	25	92.6			2	7.4
2018	26	23	88.5			3	11.5
2019	10	10	100.0				
2020	34	33	97.1			1	2.9
2021	9	7	77.8			2	22.2
<b>Totals</b>	<b>192</b>	<b>166</b>	<b>86.5</b>			<b>26</b>	<b>13.5</b>

**Progressive Retinal Atrophy**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>Pumi</b>							
2020	1					1	100.0
<b>Totals</b>	<b>1</b>					<b>1</b>	<b>100.0</b>

**Thyroid**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
<b>Pumi</b>							
2005	1	1	100.0				
2014	1	1	100.0				
2017	2	1	50.0			1	50.0
2018	1	1	100.0				
2021	2	1	50.0			1	50.0
<b>Totals</b>	<b>7</b>	<b>5</b>	<b>71.4</b>			<b>2</b>	<b>28.6</b>