



# Population structure of Istrian and Croatian Coloured goat

Drzaic I., Orehovački V., Vostrý L., Curik I., Mikulec M., Cubric-Curik V.  
ikovac@agr.hr

## ISTRIAN GOAT



- Critically endangered

- 12 individuals under selection

- Inhabiting Istrian peninsula

Endangered ●

- 1700 individuals under selection ●

- Inhabiting mountain areas of southern Croatia ●

## CROATIAN COLOURED GOAT



# F<sub>ST</sub> values between Croatian goat breeds and European goat breeds

Breed	ARG	CCG	CRP	DIT	GAR	ORO	PTV	PYR	SAA	VSS	GCH	M <sub>FST</sub>
<b>ARG</b>												0.048
<b>CCG</b>	0.019											0.049
<b>CRP</b>	0.022	0.022										0.049
<b>DIT</b>	0.080	0.082	0.087									0.100
<b>GAR</b>	0.055	0.061	0.061	0.121								0.082
<b>ORO</b>	0.094	0.095	0.099	0.156	0.138							0.101
<b>PTV</b>	0.081	0.083	0.088	0.144	0.124	0.130						0.090
<b>PYR</b>	0.068	0.073	0.077	0.132	0.113	0.123	0.094					0.082
<b>SAA</b>	0.047	0.047	0.046	0.102	0.085	0.089	0.074	0.069				0.058
<b>VSS</b>	0.032	0.031	0.029	0.094	0.073	0.085	0.078	0.072	0.041			0.051
<b>GCH</b>	0.023	0.022	0.011	0.083	0.060	0.093	0.083	0.074	0.046	0.027		0.047
<b>GCI</b>	0.053	0.053	0.046	0.119	0.096	0.114	0.097	0.087	0.048	0.050	0.046	0.067

# Principal component analysis of 21 European goat breeds

