

Table S8. Posterior membership coefficients following a STRUCTURE analysis

<i>Landrace</i>	<i>Pool1</i>	<i>Pool2</i>	<i>Pool3</i>	<i>Pool4</i>
'Fasolu del Prete'	0.003	0.057	0.932	0.008
'Carrubara Baccello Rugoso'	0.984	0.004	0.008	0.005
'Buttuna di Gaddru'	0.005	0.137	0.007	0.852
'Curnittu Calabrisi'	0.012	0.005	0.006	0.977
'Carrubaru Niuru'	0.98	0.004	0.005	0.01
'Carrazzu Criotu'	0.01	0.005	0.028	0.956
'Calabrisi Baccello Drittu'	0.027	0.004	0.029	0.94
'Calabrisi Biancu'	0.971	0.005	0.006	0.018
'Carrazzu Viola'	0.068	0.005	0.007	0.921
'Bavaluciaru di Tri Voti'	0.011	0.04	0.938	0.01
'Rosa Lungo'	0.174	0.01	0.786	0.03
'Carrazzu di Maisa'	0.887	0.006	0.022	0.085
'Fasolu di Pasta Biancu'	0.682	0.006	0.278	0.034
'Santagasi'	0.014	0.004	0.968	0.014
'Carrazzu Rosa'	0.726	0.004	0.257	0.013
'Fasolu di Petra'	0.279	0.004	0.598	0.119
'Mignacca'	0.033	0.009	0.907	0.05
'Calabrisi'	0.982	0.004	0.007	0.006
'Crucchittu Settembrinu'	0.011	0.005	0.956	0.028
'Carrazzu du Miricanu'	0.008	0.005	0.026	0.961
'Tignusu Calabrisi'	0.986	0.004	0.005	0.005
'Ucchittu di zappa'	0.012	0.005	0.043	0.939
'Vanadia di Tortorici'	0.011	0.004	0.024	0.961
'Carrazzu pi Siccari'	0.007	0.004	0.008	0.981
'Setticanni'	0.005	0.007	0.884	0.104
'Ucchittu Santangilisi'	0.021	0.008	0.334	0.636
'Crucchittu Criotu'	0.005	0.006	0.854	0.135
'Carrubara Baccello Liscio'	0.03	0.072	0.006	0.892
'Fasolu di Caminu'	0.008	0.004	0.007	0.981
'Lumachedda Chiara'	0.021	0.059	0.082	0.837
'Carrazzu di Ucria'	0.007	0.006	0.008	0.979
'Crucchittu di Floresta'	0.013	0.008	0.969	0.01
'Occhiu di Pirnici'	0.017	0.008	0.146	0.83
'Sanfratellano'	0.588	0.006	0.394	0.011
'Crucchittu Rummuletta'	0.01	0.004	0.912	0.074
'Rosa Tunnu'	0.015	0.005	0.971	0.008
'Carrazzu di Piano Campo'	0.005	0.009	0.979	0.006
'Carrazzu Niuru pi Siccari'	0.005	0.006	0.64	0.35
'Disio'	0.024	0.007	0.017	0.952

'Carrazzu Nustrali'	0.006	0.023	0.406	0.565
'Niuru Senza Sfilazzi'	0.772	0.004	0.017	0.207
'Fasolu di Padre Bernardinu'	0.004	0.44	0.542	0.014
'Virdi Lungarinu'	0.005	0.067	0.923	0.005
Pinuttaru'	0.004	0.049	0.852	0.095
'Rampicanti Nerella'	0.977	0.007	0.009	0.007
'Ianchittu ma Beddu'	0.869	0.004	0.004	0.123
Zicca'	0.09	0.006	0.834	0.07
'Occhittu Rosa'	0.005	0.97	0.008	0.017
'Massaru'	0.006	0.005	0.978	0.011
'Facigghiuni'	0.005	0.009	0.037	0.949
'Munachedda'	0.007	0.011	0.05	0.932
BAT93	0.983	0.005	0.008	0.005
Jalo_EEP558	0.004	0.981	0.01	0.005
Midas	0.004	0.973	0.019	0.004
'Nanu Palermitanu'	0.007	0.974	0.005	0.014
'Nanu Niuru'	0.564	0.351	0.01	0.075
'Nanu Virdi'	0.005	0.972	0.009	0.013
'Nanu Calabrisi'	0.006	0.127	0.009	0.859
'Nanu di Castania'	0.031	0.39	0.012	0.568
'Nanu Carrazzu'	0.006	0.983	0.006	0.004

sis and $K = 4$.

Pool at K4 ($Q \geq 0.8$)

Pool3

Pool1

Pool4

Pool4

Pool1

Pool4

Pool4

Pool1

Pool4

Pool3

Admixture

Pool1

Admixture

Pool3

Admixture

Admixture

Pool3

Pool1

Pool3

Pool4

Pool1

Pool4

Pool4

Pool4

Pool3

Admixture

Pool3

Pool4

Pool4

Pool4

Pool4

Pool3

Pool4

Admixture

Pool3

Pool3

Pool3

Admixture

Pool4

Admixture

Admixture

Admixture

Pool3

Pool3

Pool1

Pool1

Pool3

Pool2

Pool3

Pool4

Pool4

Pool1

Pool2

Pool2

Pool2

Admixture

Pool2

Pool4

Admixture

Pool2
