

S5\_Table. Pairwise  $F_{ST}$  values among populations.

Above diagonal: pairwise  $F_{ST}$  values. Below diagonal: P-values obtained after 300 permutations. Refer to Table S1 for sample numbers.

	Ebro River Basin					Llobregat River Basin
	1	2	3	4	5	6
1		-0.009	0.062	0.0539	0.0783	0.0985
2	0.84333		0.0451	0.0147	0.0146	0.0622
3	0.16333	0.05		0.0354	0.0276	0.0683
4	0.03667	0.1	0.26		-0.0013	0.0586
5	0.05667	0.23	0.10333	0.73667		0.0619
6	0.05	0.03	0.16	0.16333	0.15	