Table S7 Match probability values obtained in recent studies of individual genetic traceability in cattle using microsatellites (short tandem repeats, STR) or single nucleotide polymorphism (up date form Dalvit *et al*., 2007 and Baldo *et al*., 2010)

Type and number of markers	Match probability	Breeds	References
SNP – 116	10^{-44}	Angus	Present work
SNP - 50	10^{-22}	Angus	Present work
SNP - 32	10^{-14}	Angus	Present work
SNP - 25	10^{-11}	Angus	Present work
STR - 18	10^{-14}	Angus	Present work
STR - 12	10^{-12}	Angus	Present work
SNP - 43	10^{-11} to 10^{-13}	Limousin, Belgian Blue, Simmental, Charolais, Aberdeen Angus, Holstein	Allen et al. (2010)
STR - 11	10^{-9}	Limousin, Belgian Blue, Simmental, Charolais, Aberdeen Angus, Holstein	Allen et al. (2010)
STR - 11	10^{-8} to 10^{-11}	Angus	Baldo et al. (2010)
SNP - 87	10^{-34}	Japanese black	Hara et al. (2010b)
SNP - 29	10^{-12}	Japanese black	Hara et al. (2010a)
SNP - 50	10^{-15}	Several breeds	HapMap Consortium (2009)
SNP - 25	10^{-8} to 10^{-10}	Holstein, Simmental, Limousin, Angus, Charolais, Tux Cattle	Karniol et al. (2009)
STR - 12	> 1.4 X 10^{-8}	Piemontese, Chianina, Marchigiana, Romagnola, Holstein Friesian, Brown Swiss	Dalvit et al. (2008)
SNP – 28		Angus, Hereford	Van Eenennaam et al. (2007)
STR - 23		Angus, Hereford	Van Eenennaam et al. (2007)
STR – 12	1.9 x 10^{-11}	Piemontese, Chianina, Marchigiana, Romagnola	Dalvit et al. (2006)
SNP - 25	5 x 10^{-6}	Simulated data	Weller et al. (2006)
STR– 10	2.4 x 10^{-8}	Galloway	Herraéz et al. (2005)
STR – 17	1.4 x 10^{-13}	Galloway	Herraéz et al. (2005)
SNP – 43	5.3 x 10^{-11}	Galloway	Herraéz et al. (2005)
SNP – 20	4.3 x 10^{-8}	Holstein Friesian, and others	Heaton et al. (2005)
SNP - 37	10^{-13}	Holstein, German Fleckvieh, German Braunvieh	Werner et al. (2004)
SNP – 32	2.0 x 10^{-13}	American Angus	Heaton et al. (2002)
SNP – 32	1.9 x 10^{-10}	multi-breed composite populations	Heaton et al. (2002)
STR – 10	>10^{-7}	Pirenaica	Arana et al. (2002)
STR – 13	>10^{-15}	Piemontese, Chinina, Holstein Friesian, Italian Simmental	Orrù et al. (2006)
STR – 11	5 x 10^{-12}	Charolaise	Sancristobal-Gaudy et al. (2000)
STR – 10	1 x 10^{-10}	Belgium beef cattle	Peelman et al. (1998)