

Table S9. List of BI/CIAT descriptors (2009) and code number used for morphological characterization of Sicilian common bean germplasm collection. Numbers in parentheses, under each descriptor, corresponding IPGRI descriptor numbers (1982).

DESCRIPTORS		Number code
Seed	Coat pattern (4.3.1)	0 = no pattern 1 = mottled 2 = striped 3 = speckled 4 = spotted 5 = blotched 6 = marginal color pattern (virgarcus) 9 = other
	Coat color (4.3.2)	1 = white 2 = cream 3 = yellow 4 = brown 5 = pink 6 = red 7 = purple 8 = black 99 = other
	Prevalent color (Angioi et al. 2009)	1 = lighter color as background and darker color as striped 2 = darker color as background and lighter color as striped 3 = darker color and lighter equally distributed
	Seed shape (4.3.5)	1 = circular 2 = oval 3 = cuboid 4 = kidney shaped 5 = markedly truncate
	Brilliance (4.3.4)	3 = dull 5 = medium 7 = shiny
Leaf	Shape *	1 = triangular 2 = quadrangular 3 = round
	Color of wings (4.2.5)	1 = white 2 = green 3 = lilac 4 = white with carmine stripes 5 = strongly veined in red to dark lilac 6 = plain red to dark lilac 7 = lilac with dark lilac veins 8 = purple 9 = other

Flower	Color of standar (4.2.4)	1 = white 2 = greenish 3 = liliac 4 = white with liliac edge 5 = white with red stripes 6 = dark liliac with purple outer edge 7 = dark liliac with purplish spots 8 = carmine red 9 = purple/violet 99 = other
Pod	Immature color (4.2.6)	1 = dark pruple 2 = carmine red 3 = purple stripe on green 4 = carmine stripe on green 5 = pale red stripe on green 6 = dark pink (rose) 7 = normal green 8 = shiny green 9 = dull green to silver grey 10 = golden or deep yellow 11 = pale yellow to white 99 = other
	Physiological maturity color *	1 = dark pruple 2 = red 3 = pink 4 = yellow 5 = pale yellow with clouded mottling stripes 6 = persistent green
	Curvature *	3 = straight 5 = lightly curved 7 = curved 9 = recurving

* descriptors listed only in IPGRI 1982