

Supplementary Table S3 – Morphological characterization of Sicilian tomato ecotypes (*Solanum lycopersicum* L.) according to the phenotypic scale developed by IPGRI (1996).

	Plant growth	Leaf attitude	Leaf type	Predominant fruit shape	Fruit size	Fruit size homogeneity	Exterior colour of mature fruit	Intensity of exterior colour	Flesh colour of pericarp	Flesh colour intensity	Colour of core	Fruit shoulder shape	Shape of pistil scar	Blossom end shape	Cross sectional shape	Ribbing at calyx end	Easiness of fruit to detach from the pedicel
Pop1	Semi-determinate	Drooping	Standard	Rounded	Intermediate	Intermediate	Red	Intermediate	Red	Intermediate	Intermediate	Slightly depressed	Dot	Flat	Round	Very weak	Intermediate
Pop2	Semi-determinate	Horizontal	Standard	Slightly flattened	Intermediate	Intermediate	Red	Intermediate	Red	Dark	Intermediate	Moderately depressed	Irregular	Flat	Irregular	Intermediate	Difficult
Pop3	Semi-determinate	Horizontal	Standard	Flattened	Intermediate	Low	Red	Intermediate	Red	Intermediate	Intermediate	Moderately depressed	Irregular	Flat	Irregular	Intermediate	Difficult
Pop4	Determinate	Drooping	Potato leaf type	Rounded	Small	Intermediate	Red	Intermediate	Orange	Light	Intermediate	Slightly depressed	Stellate	Flat	Angular	Very weak	Easy
Pop5	Semi-determinate	Drooping	Potato leaf type	Rounded	Small	High	Orange	Dark	Orange	Dark	Intermediate	Flat	Dot	Pointed	Round	Absence	Easy
Pop6	Dwarf	Drooping	Potato leaf type	Ellipsoid	Small	High	Red	Dark	Red	Dark	Intermediate	Flat	Dot	Flat	Round	Very weak	Easy
Pop7	Semi-determinate	Horizontal	Potato leaf type	Slightly flattened	Small	Intermediate	Red	Intermediate	Red	Light	Light	Moderately depressed	Dot	Flat	Angular	Intermediate	Easy
Pop8	Indeterminate	Drooping	Peruvianum	Rounded	Small	High	Red	Intermediate	Red	Light	Intermediate	Flat	Dot	Flat	Round	Absence	Intermediate
Pop9	Semi-determinate	Semi-erect	Potato leaf type	Heart-shaped	Small	High	Red	Intermediate	Red	Intermediate	Intermediate	Flat	Dot	Pointed	Round	Very weak	Easy
Pop10	Indeterminate	Drooping	Potato leaf type	High rounded	Small	Intermediate	Red	Dark	Red	Intermediate	Intermediate	Slightly depressed	Dot	Flat	Angular	Very weak	Easy
Pop11	Determinate	Horizontal	Potato leaf type	High rounded	Small	Low	Red	Dark	Red	Dark	Light	Flat	Dot	Pointed	Round	Absence	Intermediate
Pop12	Indeterminate	Semi-erect	Peruvianum	Flattened	Large	Low	Red	Dark	Red	Dark	Intermediate	Strongly depressed	Irregular	Flat	Irregular	Strong	Difficult
Pop13	Indeterminate	Semi-erect	Peruvianum	Flattened	Large	Low	Red	Intermediate	Red	Intermediate	Intermediate	Strongly depressed	Irregular	Flat	Irregular	Strong	Difficult
Pop14	Indeterminate	Horizontal	Peruvianum	Flattened	Large	Low	Red	Intermediate	Red	Light	Intermediate	Strongly depressed	Irregular	Flat	Irregular	Strong	Difficult
Pop15	Indeterminate	Horizontal	Standard	Rounded	Small	High	Orange	Intermediate	Yellow	Dark	Light	Flat	Dot	Flat	Round	Very weak	Easy
Pop16	Semi-determinate	Horizontal	Standard	Flattened	Small	High	Red	Dark	Red	Dark	Intermediate	Moderately depressed	Stellate	Flat	Angular	Intermediate	Intermediate
Pop17	Indeterminate	Drooping	Standard	Rounded	Small	High	Red	Light	Red	Light	Light	Flat	Dot	Flat	Round	Absence	Intermediate
Pop18	Indeterminate	Semi-erect	Standard	Rounded	Small	High	Red	Intermediate	Red	Light	Light	Flat	Dot	Flat	Round	Absence	Intermediate
Pop19	Semi-determinate	Horizontal	Standard	Rounded	Small	High	Red	Dark	Red	Dark	Dark	Flat	Dot	Pointed	Round	Absence	Intermediate
Pop20	Indeterminate	Horizontal	Standard	Rounded	Small	High	Red	Intermediate	Red	Intermediate	Light	Flat	Dot	Flat	Round	Absence	Intermediate
Pop21	Semi-determinate	Horizontal	Standard	Rounded	Small	High	Red	Dark	Red	Intermediate	Intermediate	Slightly depressed	Dot	Flat	Round	Very weak	Intermediate
Pop22	Indeterminate	Drooping	Standard	Slightly flattened	Small	Intermediate	Red	Dark	Red	Intermediate	Intermediate	Moderately depressed	Dot	Flat	Round	Intermediate	Intermediate
Pop23	Indeterminate	Horizontal	Standard	High rounded	Small	Intermediate	Red	Intermediate	Red	Light	Light	Slightly depressed	Dot	Pointed	Angular	Weak	Easy
Pop24	Semi-determinate	Horizontal	Standard	Rounded	Small	Intermediate	Red	Intermediate	Red	Intermediate	Intermediate	Flat	Dot	Flat	Round	Absence	Intermediate
Pop25	Determinate	Semi-erect	Potato leaf type	Flattened	Large	Low	Red	Dark	Red	Dark	Dark	Strongly depressed	Irregular	Flat	Irregular	Strong	Difficult
Pop26	Indeterminate	Horizontal	Standard	Flattened	Large	Low	Red	Intermediate	Red	Intermediate	Light	Strongly depressed	Irregular	Flat	Irregular	Strong	Difficult
Pop27	Semi-determinate	Horizontal	Standard	Flattened	Large	Low	Red	Dark	Red	Dark	Intermediate	Strongly depressed	Irregular	Flat	Irregular	Strong	Difficult
Pop28	Indeterminate	Drooping	Standard	Rounded	Small	High	Red	Dark	Red	Intermediate	Intermediate	Flat	Dot	Pointed	Round	Absence	Intermediate
Pop29	Semi-determinate	Horizontal	Standard	Rounded	Small	High	Red	Dark	Red	Dark	Intermediate	Moderately depressed	Dot	Flat	Angular	Weak	Easy
Pop30	Determinate	Semi-erect	Potato leaf type	Flattened	Intermediate	Intermediate	Red	Dark	Red	Dark	Dark	Moderately depressed	Irregular	Flat	Irregular	Strong	Difficult
Pop31	Indeterminate	Drooping	Standard	Slightly flattened	Small	Intermediate	Red	Dark	Red	Dark	Intermediate	Slightly depressed	Stellate	Flat	Round	Weak	Intermediate
Pop32	Indeterminate	Drooping	Standard	High rounded	Small	High	Red	Dark	Red	Dark	Dark	Slightly depressed	Dot	Pointed	Angular	Very weak	Easy
Pop33	Semi-determinate	Horizontal	Standard	Flattened	Intermediate	Low	Red	Dark	Red	Intermediate	Intermediate	Moderately depressed	Irregular	Flat	Irregular	Strong	Difficult
Pop34	Semi-determinate	Horizontal	Potato leaf type	High rounded	Small	High	Red	Dark	Red	Dark	Dark	Flat	Dot	Flat	Round	Very weak	Intermediate
Pop35	Indeterminate	Drooping	Potato leaf type	Rounded	Small	High	Orange	Intermediate	Orange	Light	Light	Flat	Dot	Flat	Round	Absence	Easy
Pop36	Semi-determinate	Horizontal	Standard	Rounded	Small	High	Red	Light	Orange	Intermediate	Light	Slightly depressed	Dot	Flat	Round	Very weak	Intermediate
Pop37	Indeterminate	Drooping	Standard	Rounded	Small	High	Red	Dark	Red	Light	Light	Flat	Dot	Pointed	Round	Absence	Easy