

Table S5. Means comparison and post hoc test (Tukey's) for quantitative parameters. SF = seed width; SL = seed length; PL = pod length; SxP= seed /pod; 100W = 100-seed weight; Y was compared to Borlotto type as control.

Larndrace	SL (mm)	SH (mm)	SW (mm)	SxP (n)	PL (cm)
'Fasolu del Prete'	11.7 ^{ow}	8.1 ^{bf}	9.3 ^{ag}	6.7 ^{ce}	9.03 ^{km}
'Carrubara Baccello Rugoso'	15.3 ^{cn}	5.5 ^{eh}	7.0 ^{el}	8.7 ^{bc}	15.83 ^{af}
'Buttuna di Gaddru'	20.1 ^a	8.0 ^{bf}	10.3 ^{ad}	10.7 ^{ab}	17.97 ^{ab}
'Curnittu Calabrisi'	11.5 ^{qw}	7.27 ^{ch}	6.7 ^{el}	6.8 ^{ce}	11.0 ^{em}
'Carrubaru Niuru'	12.0 ^{mw}	4.5 ^h	6.2 ^{gl}	7.7 ^{be}	14.50 ^{aj}
'Carrazzu Crioto'	16.7 ^{ai}	7.5 ^{bg}	8.6 ^{ai}	6.0 ^{ce}	13.17 ^{bm}
'Calabrisi Baccello Drittu'	11.9 ^{nw}	6.2 ^{dh}	8.8 ^{ai}	7.3 ^{be}	9.70 ^{im}
'Calabrisi Biancu'	14.8 ^{eq}	5.3 ^{eh}	6.9 ^{el}	13.0 ^a	16.00 ^{ae}
'Carrazzu Viola'	16.3 ^{bj}	7.0 ^{ch}	9.7 ^{af}	7.3 ^{be}	10.50 ^{hm}
'Bavaluciaru di Tri Voti'	15.2 ^{co}	7.3 ^{ch}	7.9 ^{aj}	7.0 ^{bc}	11.8 ^{em}
'Rosa Lungo'	17.9 ^{ae}	8.0 ^{bf}	10.7 ^{ab}	7.3 ^{be}	15.20 ^{ah}
'Carrazzu di Maisa'	15.1 ^{dp}	5.2 ^{fh}	9.9 ^{ae}	6.7 ^{ce}	9.60 ^{jm}
'Fasolu di Pasta Biancu'	16.1 ^{bk}	6.4 ^{dh}	6.6 ^{el}	7.3 ^{be}	18.10 ^{ab}
'Santagasi'	18.4 ^{ad}	9.1 ^{ad}	8.9 ^{ah}	5.7 ^{ce}	14.50 ^{aj}
'Carrazzu Rosa'	14.3 ^{fs}	6.9 ^{dh}	8.8 ^{ah}	7.3 ^{be}	10.23 ^{hm}
'Fasolu di Petra'	14.2 ^{fs}	5.9 ^{eh}	9.1 ^{ah}	5.7 ^{ce}	8.20 ^{lm}
'Mignacca'	15.0 ^{dp}	8.0 ^{bf}	11.0 ^a	4.7 ^e	10.60 ^{gm}
'Calabrisi'	10.40 ^{tw}	7.6 ^{bg}	8.7 ^{ai}	6.7 ^{ce}	8.73 ^{lm}
'Crucchittu Settembrinu'	10.9 ^{sw}	6.6 ^{dh}	7.4 ^{cl}	8.3 ^{bd}	9.03 ^{km}
'Carrazzu du Miricanu'	14.9 ^{ep}	5.9 ^{eh}	7.0 ^{el}	6.0 ^{ce}	12.80 ^{cm}
'Tignusu Calabrisi'	16.8 ^{ah}	5.93 ^{eh}	89.0 ^{ah}	10.7 ^{ab}	17.77 ^{ac}
'Ucchittu di zappa'	18.6 ^{ac}	11.7 ^a	7.3 ^{dl}	5.3 ^{ce}	9.33 ^{km}
'Vanadia di Tortorici'	9.4 ^{uv}	6.8 ^{dh}	7.9 ^{ak}	5.7 ^{ce}	10.17 ^{hm}
'Carrazzu pi Siccari'	15.1 ^{dp}	5.8 ^{eh}	9.7 ^{af}	6.7 ^{ce}	11.77 ^{em}
'Setticanni'	13.0 ^{jt}	7.2 ^{ch}	8.5 ^{ai}	5.0 ^{de}	9.67 ^{im}
'Ucchittu Santangilisi'	14.1 ^{gs}	7.4 ^{bh}	8.4 ^{ai}	6.7 ^{ce}	9.97 ^{im}
'Crucchittu Criotu'	13.8 ^{gt}	5.9 ^{eh}	6.9 ^{ef}	6.3 ^{ce}	13.93 ^{ak}
'Carrubara Baccello Liscio'	16.7 ^{ai}	7.0 ^{ch}	6.8 ^{el}	7.7 ^{be}	17.47 ^{ad}
'Fasolu di Caminu'	13.1 ^{jt}	8.0 ^{bf}	10.4 ^{ad}	6.3 ^{ce}	13.13 ^{bm}
'Lumachedda Chiara'	11.3 ^{tw}	6.2 ^{dh}	8.2 ^{ai}	5.7 ^{ce}	9.10 ^{km}
'Carrazzu di Ucria'	13.4 ^{ht}	7.1 ^{ch}	7.2 ^{dl}	7.0 ^{bc}	9.77 ^{im}
'Crucchittu di Floresta'	12.9 ^{ju}	6.9 ^{dh}	6.5 ^{fl}	7.3 ^{be}	8.33 ^{lm}
'Occhio di Pirnici'	14.8 ^{eq}	7.2 ^{ch}	8.5 ^{ai}	6.7 ^{ce}	11.80 ^{em}
'Sanfratellano'	12.8 ^{ku}	6.2 ^{dh}	4.6 ^{kl}	8.7 ^{bc}	15.63 ^{ag}
'Crucchittu Rummuletta'	14.0 ^{gs}	8.2 ^{be}	7.3 ^{dl}	6.7 ^{ce}	8.07 ^{im}
'Rosa Tunnu'	13.1 ^{jt}	7.8 ^{bf}	7.2 ^{dl}	7.3 ^{be}	10.77 ^{fm}
'Carrazzu di Piano Campo'	14.83 ^{eq}	6.4 ^{dh}	8.7 ^{ai}	5.3 ^{ce}	9.40 ^{jm}
'Carrazzu Niuru pi Siccari'	11.4 ^{qw}	6.2 ^{dh}	8.4 ^{ai}	5.3 ^{ce}	9.10 ^{km}
'Disio'	12.5 ^{lv}	7.9 ^{bf}	8.8 ^{ai}	5.7 ^{ce}	11.30 ^{em}
'Carrazzu Nustrali'	14.0 ^{gs}	6.6 ^{dh}	7.97 ^{aj}	5.7 ^{ce}	12.37 ^{dm}
'Niuru Senza Sfilazzi'	13.2 ^{jt}	5.3 ^{eh}	5.5 ^{il}	5.3 ^{ce}	10.73 ^{fm}
'Fasolu di Padre Bernardinu'	19.5 ^{ac}	11.5 ^a	11.0 ^a	7.3 ^{be}	9.83 ^{im}
'Viridi Lungarinu'	15.47 ^{cm}	5.5 ^{eh}	8.0 ^{aj}	7.7 ^{be}	14.73 ^{ai}
'Pinuttaru'	15.7 ^{cl}	6.4 ^{dh}	6.0 ^{hl}	5.7 ^{ce}	13.20 ^{bl}

'Rampicanti Nerella'	11.7 ^{Pw}	4.8 ^{gh}	4.6 ^l	8.7 ^{bc}	18.23 ^{ab}
'Ianchittu ma Beddu'	14.3 ^{fs}	5.2 ^{eh}	8.7 ^{ai}	8.3 ^{bd}	18.53 ^a
Zicca'	8.8 ^w	6.0 ^{eh}	6.7 ^{el}	6.3 ^{ce}	8.27 ^{lm}
'Occhittu Rosa'	13.6 ^{gt}	6.1 ^{eh}	6.7 ^{el}	8.3 ^{bd}	12.00 ^{em}
'Massaru'	13.3 ^{it}	7.3 ^{ch}	10.6 ^{ac}	6.3 ^{ce}	10.90 ^{em}
'Nanu Palermitanu'	13.1 ^{jt}	6.2 ^{dh}	9.1 ^{ah}	6.7 ^{ce}	11.30 ^{em}
'Nanu Niuru'	9.1 ^{vw}	5.2 ^{eh}	4.8 ^{jl}	8.7 ^{bc}	9.93 ^{im}
'Nanu Virdi'	14.5 ^{er}	6.4 ^{dh}	6.1 ^{gl}	7.3 ^{be}	9.6 ^{im}
'Nanu Calabrisi'	14.7 ^{eq}	7.27 ^{ch}	6.7 ^{el}	6.7 ^{ce}	17.97 ^{ab}
'Nanu di Castania'	12.2 ^{mw}	7.1 ^{ch}	6.7 ^{el}	6.0 ^{ce}	11.13 ^{em}
'Nanu Carrazzu'	14.5 ^{er}	6.8 ^{dh}	6.1 ^{gl}	6.3 ^{ce}	10.07 ^{im}
'Munachedda'	11.7 ^{ow}	9.9 ^{ac}	7.5 ^{bl}	5.7 ^{ce}	8.10 ^{lm}
'Facigghiuni'	17.7 ^{ag}	10.4 ^{ab}	6.2 ^{gl}	5.7 ^{ce}	12.10 ^{em}
Borlotto type					

I = seed height; SW =
 Y = dry bean yield. Only

100w (g)	Y (Kg m ⁻²)
57.8 ^{em}	0.80 ^{wz}
44.5 ^{qt}	1.53 ^{pw}
79.6 ^{ab}	2.55 ^{gl}
61.2 ^{dj}	3.48 ^{ce}
31.0 ^{uw}	2.36 ⁱⁿ
75.3 ^{bc}	1.67 ^{nv}
49.9 ^{kr}	1.29 ^{tx}
36.3 ^{su}	2.17 ^{jr}
59.2 ^{dl}	1.98 ^{jt}
68.7 ^{ce}	2.25 ^{jp}
75.3 ^{bc}	1.31 ^{tx}
49.0 ^{ir}	2.07 ^{js}
55.6 ^{gp}	1.49 ^{qw}
61.6 ^{di}	2.32 ^{jo}
58.3 ^{em}	1.08 ^{vz}
54.4 ^{hq}	1.28 ^{tx}
51.5 ^{ir}	1.81 ^{lv}
58.2 ^{em}	3.16 ^{eh}
40.9 ^{ru}	2.58 ^{fk}
66.2 ^{cg}	2.39 ⁱⁿ
45.2 ^{pt}	2.30 ^{jo}
52.3 ^{iq}	5.20 ^a
57.4 ^{fm}	2.2 ^{jq}
64.2 ^{dh}	2.14 ^{jr}
51.0 ^{ir}	1.83 ^{lu}
57.7 ^{fm}	3.63 ^{ce}
56.9 ^{fn}	0.51 ^{yz}
45.5 ^{ot}	1.31 ^{tx}
59.6 ^{dl}	1.47 ^{qw}
45.5 ^{ot}	1.88 ^{ku}
60.5 ^{dk}	0.53 ^{yz}
76.4 ^{ac}	1.30 ^{tx}
52.9 ^{iq}	4.06 ^c
60.7 ^{dk}	2.43 ^{hm}
41.2 ^{ru}	1.35 ^{sx}
69.0 ^{bd}	4.02 ^c
55.8 ^{gp}	3.23 ^{eg}
57.6 ^{fm}	3.59 ^{ce}
57.3 ^{fm}	3.17 ^{eh}
54.1 ^{hq}	1.61 ^{ov}
34.9 ^{tv}	1.80 ^{nv}
45.9 ^{os}	4.56 ^b
48.0 ^{mr}	2.27 ^{jp}
59.9 ^{dk}	3.30 ^{df}

25.3 ^{vw}	2.60 ^{fk}
46.2 ^{ns}	2.49 ^{gm}
44.9 ^{pt}	2.66 ^{fi}
51.6 ^{ir}	3.66 ^{ce}
57.9 ^{em}	3.59 ^{ce}
66.8 ^{cf}	4.07 ^c
23.7 ^w	2.02 ^{jt}
50.3 ^{ir}	1.19 ^{uy}
54.8 ^{hq}	1.45 ^{rw}
53.0 ^{iq}	0.43 ^z
56.3 ^{fo}	0.69 ^{xz}
66.4 ^{cg}	3.6 ^{ce}
80.3 ^a	3.08 ^{ei}
	3.79 ^{ce}