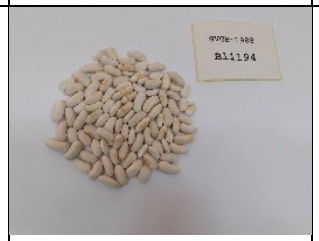
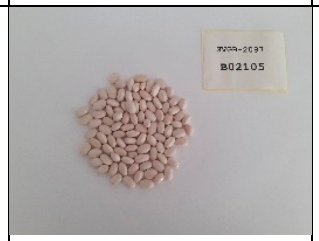
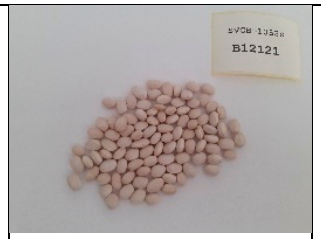
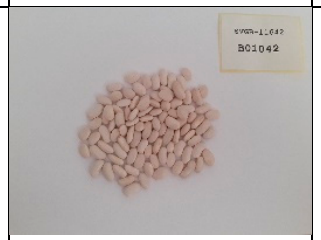
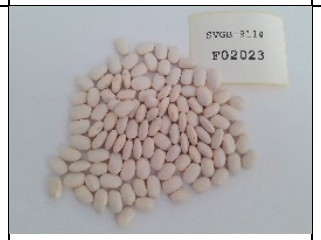
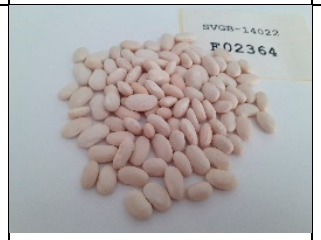
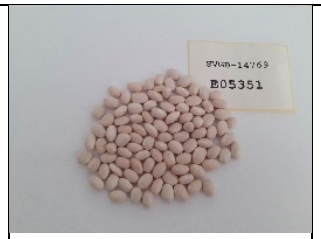
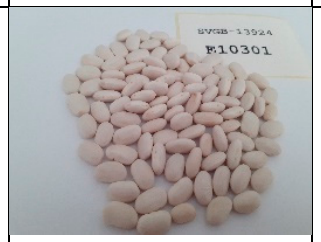
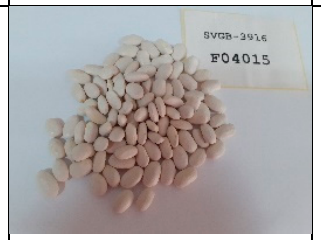
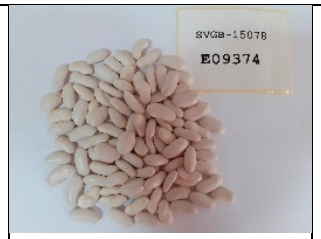
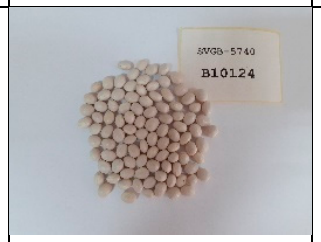
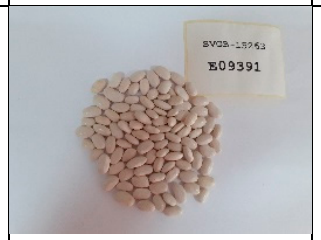
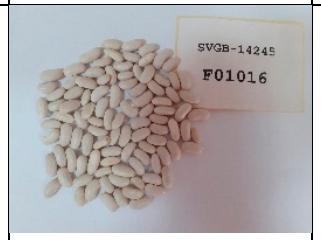
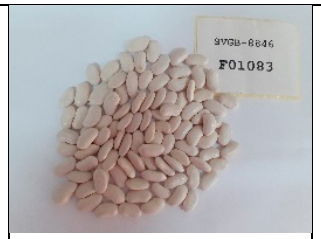
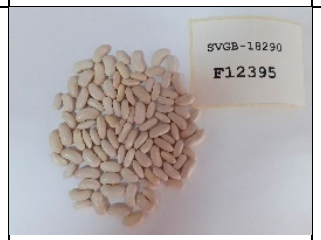
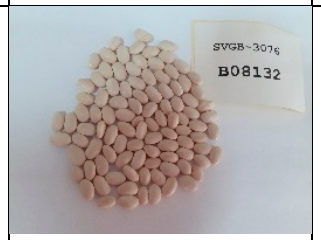
Table S1. Common bean (*Phaseolus vulgaris* L.*)* landraces analyzed in this study with "passport data".

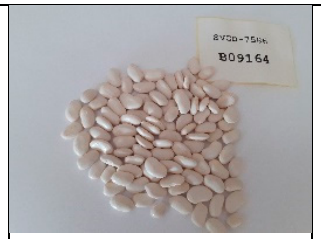
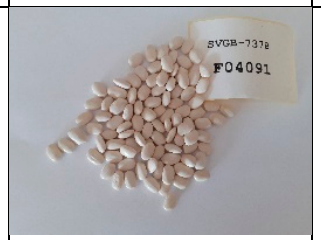
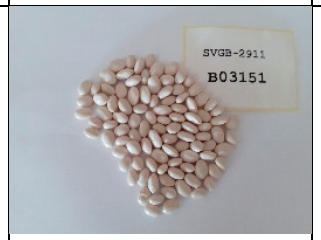
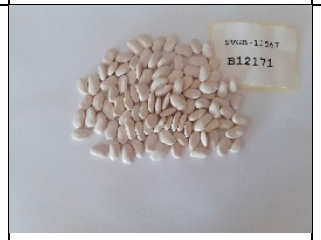
No.	Samples	Population Code	Sampling county	County abbreviation	Sampling location	Acquisition date	Biological statut	100 sees weight (g)	Longitude (E)	Latitude (N)	Altitude (m)
1		SVGB-1988	Suceava	SV	Bosanci	1988	Landrace	38.47	473522N	0261856E	350
2		SVGB-11599	Botoșani	BT	Cristinești	1996	Landrace	26.38	480600N	0262300E	223
3		SVGB-2087	Iași	IS	Iași	1988	Landrace	29.65	471017N	0273455E	95

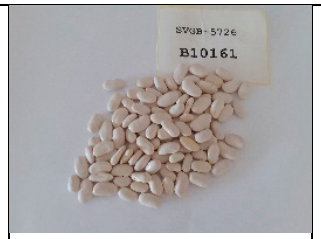
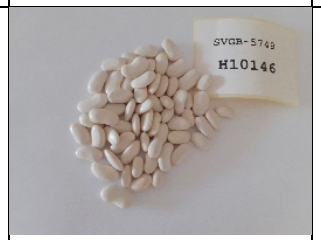
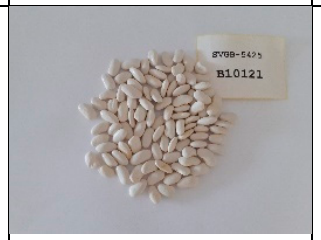
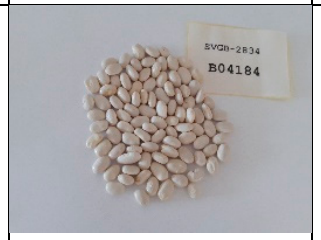
4		SVGB-10528	Neamț	NT	Pipirig	1994	Landrace	41.62	471432N	0260519E	850
5		SVGB-11642	Vaslui	VS	Rebricea	1996	Landrace	43.06	465200N	0273300E	120
6		SVGB-9114	Bacău	BC	Dofteana	1933	Landrace	61	461914N	0263158E	450
7		SVGB-14022	Maramureș	MM	Cupșeni	2001	Landrace	27.24	473219N	0235629E	415

8		SVGB-14769	Bistrița-Nasăud	BN	Ivăneasa	2002	Landrace	34.59	472054N	024522E	891
9		SVGB-13924	Satu-Mare	SM	Gherta Mică	2001	Landrace	37.1	475543N	0231232E	162
10		SVGB-3916	Cluj	CJ	Ciucea	1990	Landrace	28.84	465700N	0224900E	640
11		SVGB-16092	Sibiu	SB	Sebeșu de Jos	2004	Landrace	31.43	453852N	0242009E	406

12		SVGB-15078	Sălaj	SJ	Huta	2002	Landrace	50.48	470058N	0225733E	485
13		SVGB-5740	Brașov	BV	Poiana Mărului	1991	Landrace	33.72	453600N	0251800E	862
14		SVGB-15263	Arad	AR	Corbești	2002	Landrace	27.78	460430N	0222337E	220
15		SVGB-14245	Alba	AB	Almașu de Mijloc	2001	Landrace	27.57	460445N	0230707E	390

16		SVGB-8846	Hunedoara	HD	Buceș	1993	Landrace	42.96	461100N	0225600E	464
17		SVGB-18290	Harghita	HG	Tomești	2008	Landrace	22.95	463339N	0254726E	748
18		SVGB-3076	Vrancea	VN	Jitia de Jos	1989	Landrace	24.21	453415N	0264653E	480
19		SVGB-5513	Vâlcea	VL	Costești	1991	Landrace	31.45	450900N	0240400E	546

20		SVGB-7586	Argeș	AG	Topolog	1992	Landrace	40.26	453200N	0243146E	1453
21		SVGB-7378	Dâmbovița	DB	Glodeni	1992	Landrace	25.57	450400N	0250700E	483
22		SVGB-2911	Gorj	GJ	Isvarna	1989	Landrace	29.13	450200N	0225200E	203
23		SVGB-11567	Mureș	MS	Stânceni	1996	Landrace	51.57	465900N	0251400E	985

24		SVGB-5726	Caraș-Severin	CS	Lăpușnicel	1991	Landrace	29.78	445859N	0221337E	479
25		SVGB-5749	Prahova	PH	Starchiojd	1991	Landrace	44.04	452007N	0261102E	800
26		SVGB-5425	Buzău	BZ	Gura Teghii	1991	Landrace	43.59	452900N	0262500E	642
27		SVGB-2834	Dolj	DJ	Dăbuleni	1989	Landrace	33.01	434833N	0240500E	45

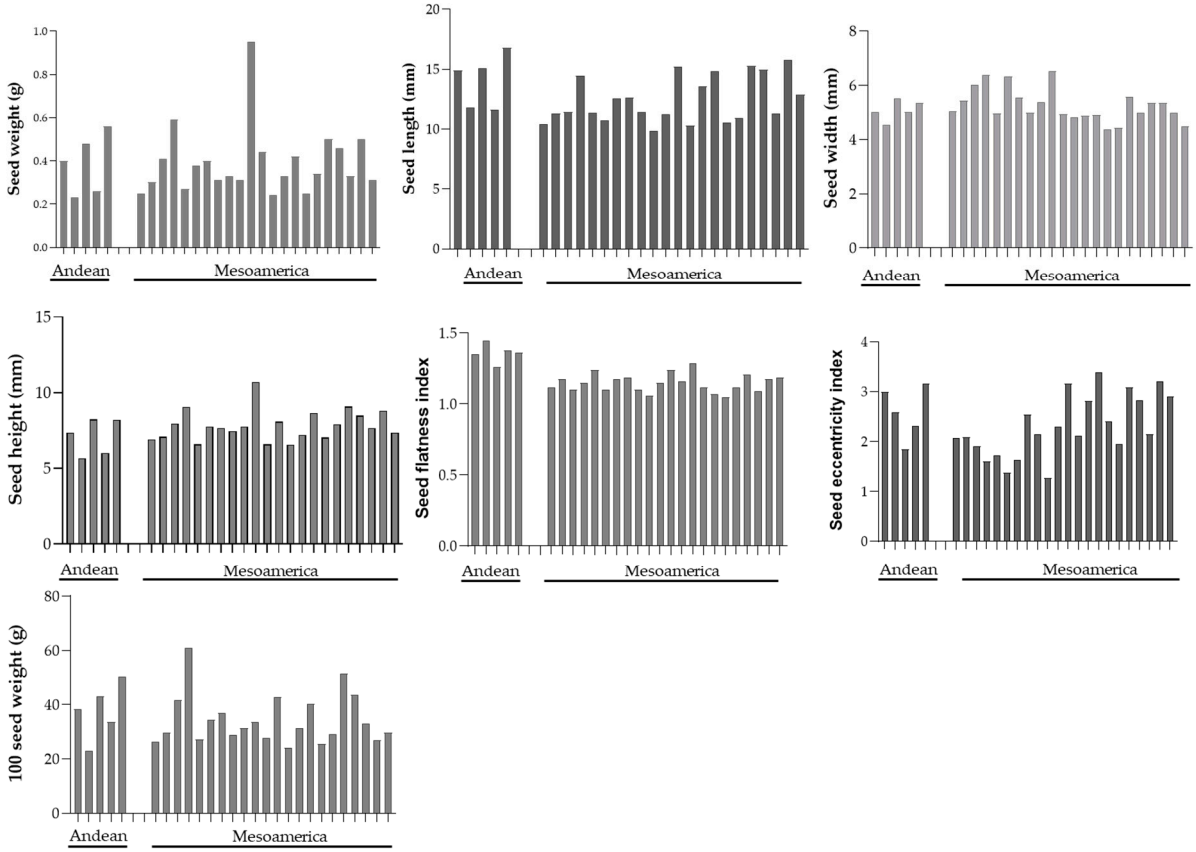


Figure S1. Frequency distribution of 27 common bean (*Phaseolus vulgaris L.*) landraces, including 5 Andean accessions and 22 Mesoamerican accessions for 7 quantitative seed characteristics: weight, length, width, height, seed flatness, Eccentricity index and 100 seed weight.

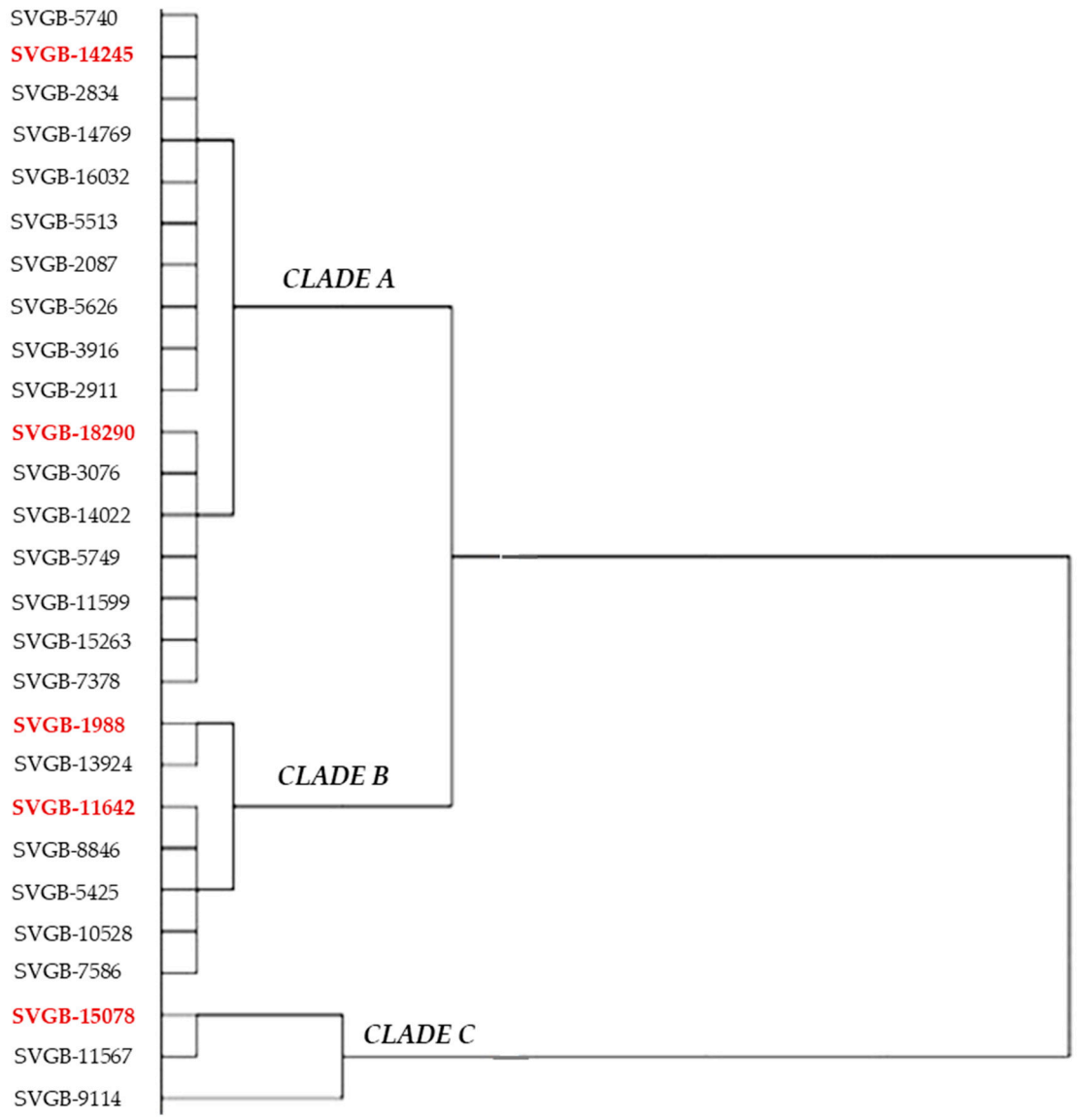


Figure S2. Dendrogram for 27 common bean accessions depending of 100 seed weight, with red are marked Andean accessionsand Mesoamerican landraces with black.

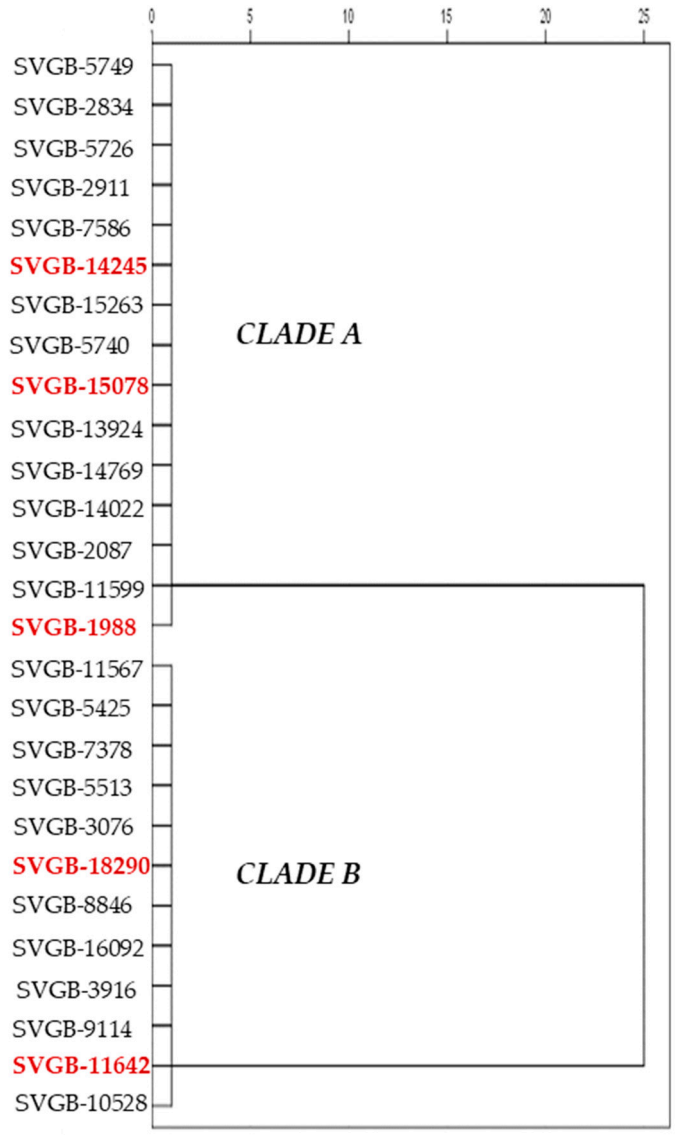


Figure S3. Dendrogram for 27 common bean accessions depending on the shape of the seeds, with red are marked Andean accessionsand Mesoamerican landraces with black.