

### Supplementary Material

#### **Molecular diversity and nutriment studies of common bean (*Phaseolus vulgaris* L.) from the two hot-spots of Western Himalayas of Jammu and Kashmir**

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**Supplementary Table S1.** Details of common bean genotypes used during the present study

<b>S. No.</b>	<b>Common bean</b>	<b>Source</b>	<b>S. No.</b>	<b>Common bean</b>	<b>Source</b>
1.	PBGJ-Bhaderwah1	Jammu	20.	PBGJ-Doda1	Jammu
2.	PBGJ-Bhaderwah2	Jammu	21.	PBGJ-Pulwama1	Kashmir
3.	PBGJ-Bhaderwah3	Jammu	22.	PBGJ-Pulwama2	Kashmir
4.	PBGJ-Bhaderwah4	Jammu	23.	PBGJ-Pulwama3	Kashmir
5.	PBGJ-Bhaderwah5	Jammu	24.	PBGJ-Kupwara1	Kashmir
6.	PBGJ-Bhaderwah6	Jammu	25.	PBGJ-Kupwara2	Kashmir
7.	PBGJ-Bhaderwah7	Jammu	26.	PBGJ-Kupwara3	Kashmir
8.	PBGJ-Bhaderwah8	Jammu	27.	PBGJ-Kupwara4	Kashmir
9.	PBGJ-Bhaderwah9	Jammu	28.	PBGJ-Baramulla1	Kashmir
10.	PBGJ-Bhaderwah10	Jammu	29.	PBGJ-Baramulla2	Kashmir
11.	PBGJ-Bhaderwah11	Jammu	30.	PBGJ-Baramulla3	Kashmir
12.	PBGJ-Bhaderwah12	Jammu	31.	PBGJ-Exotic1	Exotic
13.	PBGJ-Bhaderwah13	Jammu	32.	PBGJ-Exotic2	Exotic
14.	PBGJ-Bhaderwah14	Jammu	33.	PBGJ-Exotic3	Exotic
15.	PBGJ-Bhaderwah15	Jammu	34.	PBGJ-Exotic4	Exotic
16.	PBGJ-Bhaderwah16	Jammu	35.	PBGJ-Exotic5	Exotic
17.	PBGJ-Bhaderwah17	Jammu	36.	PBGJ-Exotic6	Exotic
18.	PBGJ-Bhaderwah18	Jammu	37.	PBGJ-Exotic7	Exotic
19.	PBGJ-Bhaderwah19	Jammu			

**Supplementary Table S2 Analysis of molecular variance (AMOVA) showing variance among and between different sub-populations of common bean**

Source	df	SS	MS	Est. Var.	%
Among Pops	2	3563588.409	1781794.205	74380.513	53%
Among Individuals	34	4534281.429	133361.218	66680.609	47%
Within Individuals	37	0.000	0.000	0.000	0%
Total	73	8097869.838		141061.122	100%