

Supplementary Table 1 Cluster distribution of EMS regenerants based on morphological traits

Clusters	No. of genotypes	Regenerant EMS (RE)
I	7	6 7 8 31 35 42 52
II	28	1 2 4 13 20 21 22 23 27 29 32 33 34 37 38 39 40 41 44 45 46 47 48 49 50 51 53 54
III	8	5 9 14 24 25 26 36 43
IV	9	3 10 15 16 17 18 19 28 30
V	3	11 12 55

Supplementary Table 2 Cluster distribution of gamma regenerants based on morphological traits

Clusters	No. of genotypes	Regenerant gamma (RG)
I	11	3 8 11 13 15 17 18 21 22 29 40
II	18	5 7 9 12 16 19 20 30 31 32 33 34 35 36 37 38 39 56
III	5	4 25 43 51 53
IV	1	57
V	12	1 2 6 10 14 23 24 26 27 28 41 42 44 45 46 47 48 49 50 52 54 55