



Supplementary Fig. 1 Comparison between parent (Gulal) and Mutant (40 Gy).

A) Spike of parent; B) More white colour in lower tepal seen in VM1; C) Mutant and parent like plant; D) Mutant with open floret; E) Parent (Strong red), Mutant (vivid purplish red); F) Stigma and style of parent (style- Reddish purple tinge and lobe- Strong purplish red ) and Mutant (filament less coloured than parent, style- more white); G) Dissection of outer and inner tepals of both parent (1, 2, 3, 4, 5, 6) and mutant (7, 8, 9, 10, 11, 12); H) 4, 5, 6, 1, 2, 3- Parent tepals (Strong red A), 7, 8, 9- Mutant upper tepals of small size, 10, 11, 12- Mutant lower tepals of small size.