9. Effect of various genes on development of tassel glumes on Vg plants.

In the presence of the tunicate gene, Tu, the effect of the Vg gene is about equal on tassel and ear. This is also the case, to varying degrees, in the 9 F_2 genotypes with Tu and in the double heterozygote with half tunicate, tuh. Although the tassel glumes of these Vg-tunicate combinations may approach normal length, the ear glumes are longer than normal. This is a reflection of the usual activity of the Tu and tuh genes. In combination with the teopod, F_2 gene, there is a reduction of floral bracts as well as of the spathes characteristic of teopod. Features of teopod other than spathe development are not affected. Glumes of the Vg-pseudopod, F_2 0, combination are slightly shorter than normal. Thus the gene produces a greater effect in one direction than F_2 1 in the other.

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