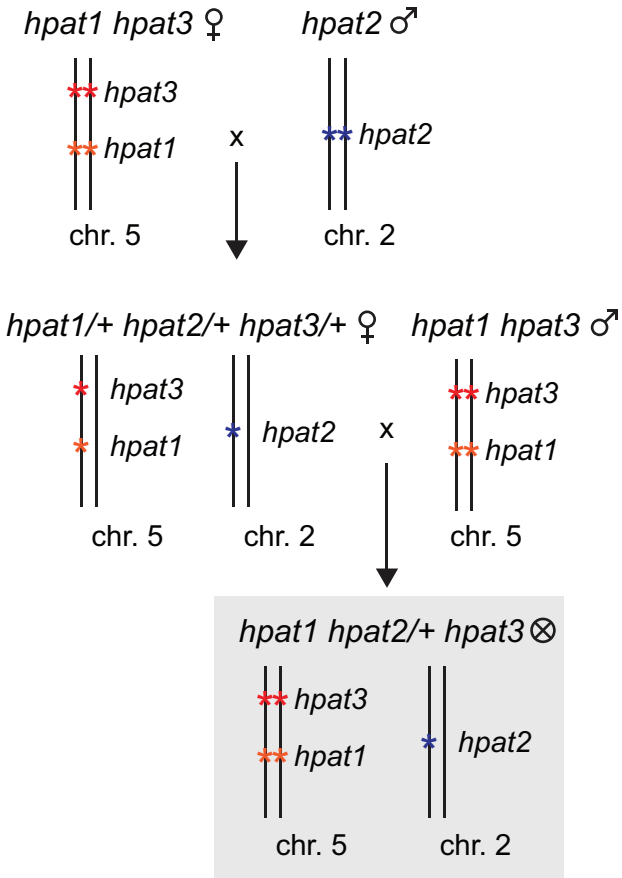
(a)



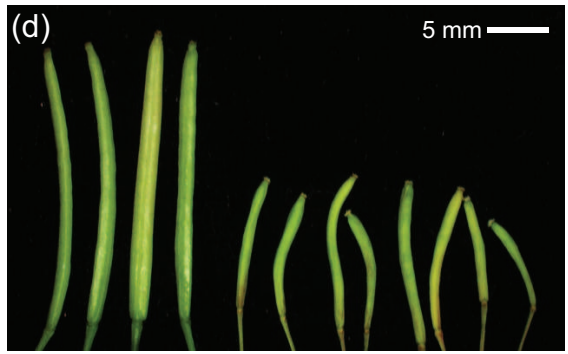
(b)

Genotype	% (N)
hpat1 hpat2/+ hpat3	18% (4)
hpat1/+ hpat2/+ hpat3/+	41% (9)
hpat1 hpat3	14% (3)
hpat1/+ hpat3/+	14% (3)
hpat1/+ hpat2/+ hpat3	9% (2)
hpat1 hpat2/+ hpat3/+	5% (1)

(c)

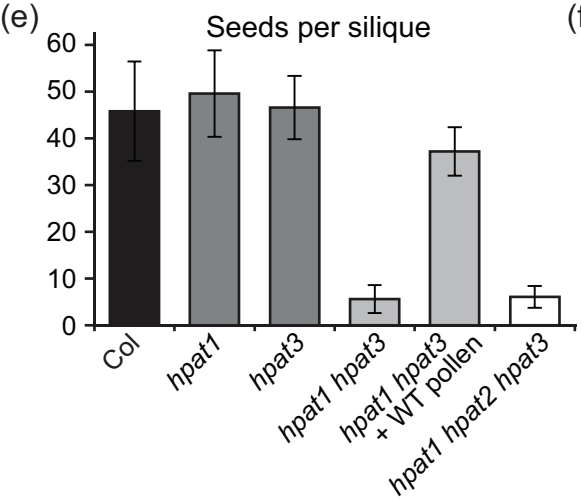
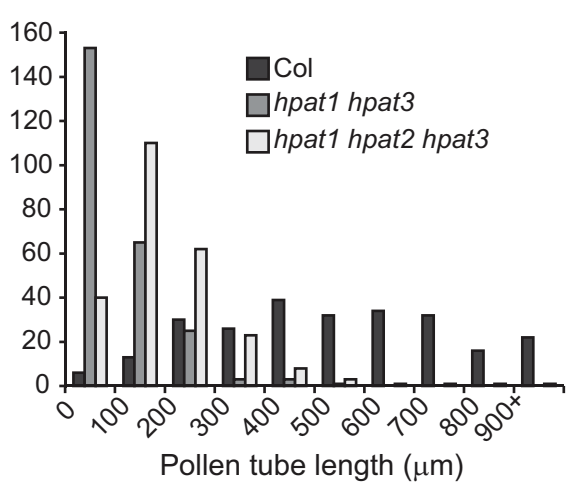
Genotype	% (N)
hpat1 hpat2 hpat3	25% (21)
hpat1 hpat2/+ hpat3	55% (46)
hpat1 hpat3	20% (17)

(d)



Col | *hpat1 hpat3* | *hpat1 hpat2 hpat3*

(e)



(f)