



**Figure S5.** The downstream *Stalker2* insertion appears to be unique to  $tub^7$ .

Genomic DNA from flies of the specified genotypes was PCR amplified using three different primer sets to assay for the presence of the *Stalker2* insertion (see diagram at bottom). Primer set J spans the 5' insertion junction, primer set K spans the 3' insertion junction, and primer set L spans the entire insertion (>8 kb in  $tub^7$  chromosome, too large to amplify using given cycling conditions).