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Females of the genotype $f\ su-f/f\ su-f$ have bristles that are nearly wild type. Females of a genotype that includes $f\ su-f/f\ su-f^-$ have bristles that are nearly wild type with respect to forked but also exhibit a distinct phenotype:

Bristles - small, minute-like; some head and thoracic bristles may be absent. Eyes - invariably roughened to some extent, anterior indentation. Wings - in some flies any or all of the following effects - blistered, broader, extra veins, held somewhat upward and outward. This phenotype is also shown by females of a genotype that includes $f\ su-f/f^+\ su-f^-$. It is not shown by $f\ su-f^+/f\ su-f^-$ or $f\ su-f^+/f^+\ su-f^-$ females. The genotype $f^+\ su-f/f^+\ su-f^-$ has not been tested. Males that are $f\ su-f/Y$, $f\ su-f/O$, $f\ su-f/Y\ su-f^+$ or $f^+\ su-f^-/Y\ su-f^+$ do not show this phenotype.

Most of the 13 radiation treated chromosomes which show the new phenotype were of a genotype that included $f^+\ su-f^-/f\ su-f$. Nine were picked up in sc^8 inversion chromosomes as induced y or $ma-1$ mutants. Four others were picked up in non-inverted chromosomes, 1 as a $ma-1$ mutant and 3 as proximally located lethals. In addition to $su-f$, all chromosomes were tested for a number of other markers in the region (see my note this D.I.S.). These included 120, close to but not immediately to the left, and bb to the right in the normal order. Lethal 20 as well as $su-f$ is covered by B^{SY} . The results were: 4) $120^- su-f^- bb^-$; 1) $120^- su-f^- bb$; 6) $120^- su-f^- bb^+$; 1) $120^+ su-f^- bb^-$; 1) $120^+ su-f^- bb^+$. (Here bb^- means lethal over a bb lethal and bb means a viable bb phenotype over a bb lethal.) In the chromosome that was $120^+ su-f^- bb^-$, there was evidence for another lethal locus between 120 and $su-f$. The chromosome that was $120^+ su-f^- bb^+$ behaved as sex-linked lethal with a regular Y but was covered by a B^{SY} . Unfortunately, it has been lost. One of the cases that was $120^- su-f^- bb^+$ was tested and found to be normal over the bb deficiency chromosome $y\ sc^4\ B\ InS\ w^a\ sc^8$ chromosome. In addition to the above 13 chromosomes there were a number of cases of deficiencies to the left and to the right of $su-f$ which were $su-f^+$. There were no cases of $120^- su-f^+ bb^-$ or $120^- su-f^+ bb$.