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1. Cytological localization of interchange breakpoints to the nucleolus organizer region or satellite.

Longley (ARS-34-16:1-40, 1961) lists the interchanges involving the short arm of chromosome 6 according to the relative location of the breakpoint between the centromere and the end of the arm. For many studies it is desirable to know whether the breakpoint is in the nucleolus organizer region or in the satellite. Thus, we are listing below the interchanges with breaks in these two cytologically distinct regions.

Homozygous interchange stocks were used in identifying the breakpoints. The interchanges with a break in the satellite have been reported previously (Phillips, et al., Crop Science 11:525-528).

Breakpoints	Stocks
Nucleolus organizer region	1-6 Li (formerly 4-6 Li), 1-6(5495), 1-6(4986), 1-6(6189), 1-6(8415) 2-6(8786), 2-6(027-4), 2-6(5419), 2-6(8441) 3-6(032-3), 3-6(030-8) 4-6(4341) 5-6 f, 5-6(8696) 6-7(5181), 6-7(4964), 6-7(035-3) 6-9 a, 6-9 d 6-10(5519)
Satellite	1-6 b 2-6(001-15) 3-6 b 4-6 c, 4-6(5227), 4-6(7328), 4-6(003-16) 5-6 b, 5-6 d, 5-6(8219) 6-7(7036) 6-9(017-14) 6-10 f

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