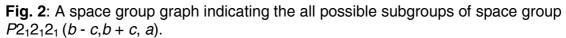
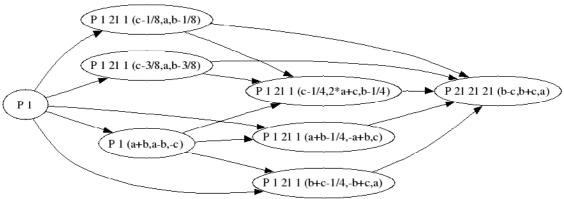
Supplementary information

Fig. 1: A point group graph with all subgroups of *P*422.

Only point groups P4, P222 and C222(x - y, x + y, z) have twin laws of order 2 and are prime candidates as target space groups for symmetry reduction.





 $P2_12_12_1$ (b - c, b + c, a) is the space group of 1jjk in a setting in which it has unit cell parameters matching the Niggli (Krivý & Gruber, 1976) setting of 1eix. The subgroups $P12_11(c$ - 1/8, a, b - 1/8) and $P12_11(c$ - 3/8, a, b - 3/8) are the only two groups that have a crystallographic screw axis in the same position as observed in 1eix in its Niggli setting. These two space groups are thus the only two possible subgroups that describe the symmetry of 1eix in relation to 1jjk.

Krivý, I. & Gruber, B. (1976). Acta Cryst. A32, 297-298.