

Supplementary data for paper: Formation of M₄Se₄ cuboids (M = As, Sb, Bi) via secondary pnictogen–chalcogen interactions in the co–crystals MX₃.Se=P(*p*-FC₆H₄)₃ (M = As, X = Br; M = Sb, X = Cl; M = Bi, X = Cl, Br).

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Structure	F...F / Å	F...H / Å
AsBr ₃ .SeP(<i>p</i> -FC ₆ H ₄) ₃ , 2	2.899(16)	2.57
SbCl ₃ .SeP(<i>p</i> -FC ₆ H ₄) ₃ , 3	2.897(14)	2.60
BiCl ₃ .SeP(<i>p</i> -FC ₆ H ₄) ₃ , 5	2.924(11)	2.53
BiBr ₃ .SeP(<i>p</i> -FC ₆ H ₄) ₃ , 6	2.972(11)	2.57

Table S1 Short F...F and F...H contacts in the structures of **2**, **3**, **5** and **6**.