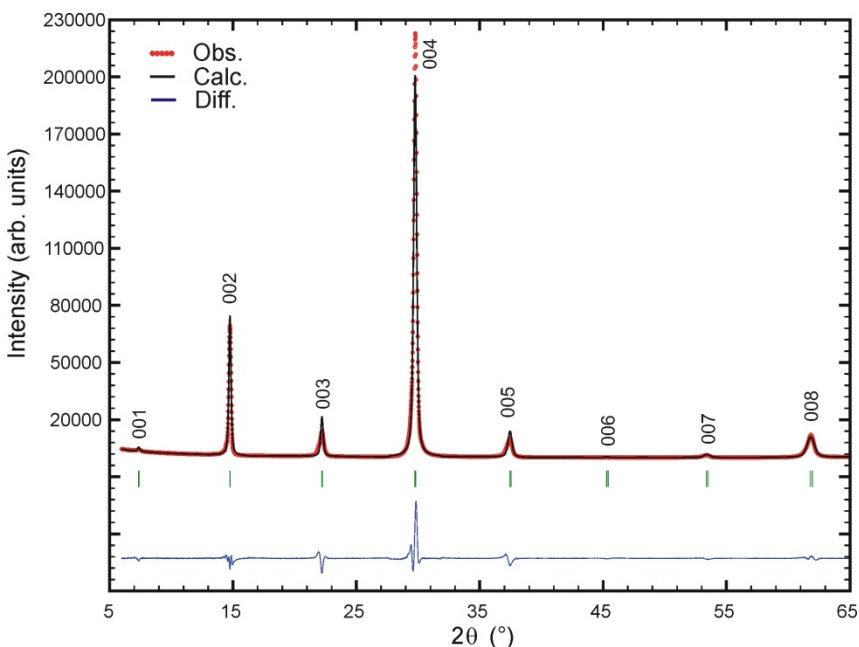Supplementary information for the article "Modifying a charge density wave transition by modulation doping: ferecrystalline compounds $([Sn_{1-x}Bi_xSe]_{1.15})_1(VSe_2)_1$ with $0 \leq x \leq 0.66$ by M. Falmbigl, Z. Hay, J. Ditto, G. Mitchson, and D. C. Johnson.

Table S1 Rietveld refinement results for the ferecrystalline compounds $([Sn_{1-x}Bi_xSe]_{1.15})_1(VSe_2)_1$ with $x = 0.06, 0.23, 0.42$, and 0.57. Space group: $P\bar{3}m1$.

| Parameter/Compound	x = 0.06	x = 0.23	x = 0.42	x = 0.57
Composition from refinement	$([Sn_{094}Bi_{0.06}Se]_{1.07})_1(VSe_2)_1$	$([Sn_{0.85}Bi_{0.15}Se]_{1.10})_1(VSe_2)_1$	$([Sn_{0.60}Bi_{0.40}Se]_{1.08})_1(VSe_2)_1$	$([Sn_{0.43}Bi_{0.57}Se]_{1.05})_1(VSe_2)_1$
Composition from EPMA	$([Sn_{0.94}Bi_{0.06}Se]_{1.2})_1(VSe_2)_1$	$([Sn_{0.77}Bi_{0.23}Se]_{1.12})_1(VSe_2)_1$	$([Sn_{0.58}Bi_{0.42}Se]_{1.26})_1(VSe_2)_1$	$([Sn_{0.43}Bi_{0.57}Se]_{1.23})_1(VSe_2)_1$
Radiation	Bruker D8, Cu K$_\alpha$	Bruker D8, Cu K$_\alpha$	Bruker D8, Cu K$_\alpha$	Bruker D8, Cu K$_\alpha$
2θ range (degrees)	$6 \leq 2\theta \leq 65$	$6 \leq 2\theta \leq 65$	$6 \leq 2\theta \leq 65$	$6 \leq 2\theta \leq 65$
c (nm)	1.20056(6)	1.19421(3)	1.18895(3)	1.18865(4)
Reflections in refinement	8	8	8	8
Number of variables	12	12	12	11
$R_F = \Sigma\|F_o\text{-}F_c\|/\Sigma F_o$	0.0301	0.0263	0.0519	0.0394
$R_I = \Sigma\|I_o\text{-}I_c\|/\Sigma I_o$	0.0612	0.0242	0.0243	0.0205
$R_{wP} = [\Sigma w_i\|y_{oi}\text{-}y_{ci}\|^2/\Sigma w_i\|y_{oi}\|^2]^{1/2}$	0.165	0.0817	0.0684	0.0997
$R_P = \Sigma\|y_{oi}\text{-}y_{ci}\|/\Sigma\|y_{oi}\|$	0.116	0.0514	0.0420	0.0681
$R_e = [(N\text{-}P\text{+}C)/(\Sigma w_i y^2_{oi})]^{1/2}$	0.0166	0.0125	0.0177	0.0197
$\chi^2 = (R_{wP}/R_e)^2$	98.7	45.5	16.4	36.3
Atom parameters				
V in $1a(0)$				
Occ.	1.0	1.0	1.0	1.0
Se1 in $2c$ (z), z	0.1299(1)	0.1288(1)	0.1265(1)	0.1261(1)
Occ.	1.0	1.0	1.0	1.0
Sn/Bi in $2c$ (z), z	0.3709(2)	0.3740(3)	0.376(1)	0.3757(1)
Occ.	Sn1.01(2)/Bi0.06	Sn0.94(3)/Bi0.16	Sn0.65(4)/Bi0.43	Sn0.45(4)/Bi0.60
Se2 in $2c$ (z), z	0.4003(4)	0.3891(5)	0.380(2)	0.3757(1)
Occ.	1.07(2)	1.10(3)	1.08(4)	1.05(4)

**Fig. S1** Rietveld refinement results for the ferecrystalline compound ($[Sn_{0.94}Bi_{0.06}Se]_{1+\delta})_1(VSe_2)_1$.
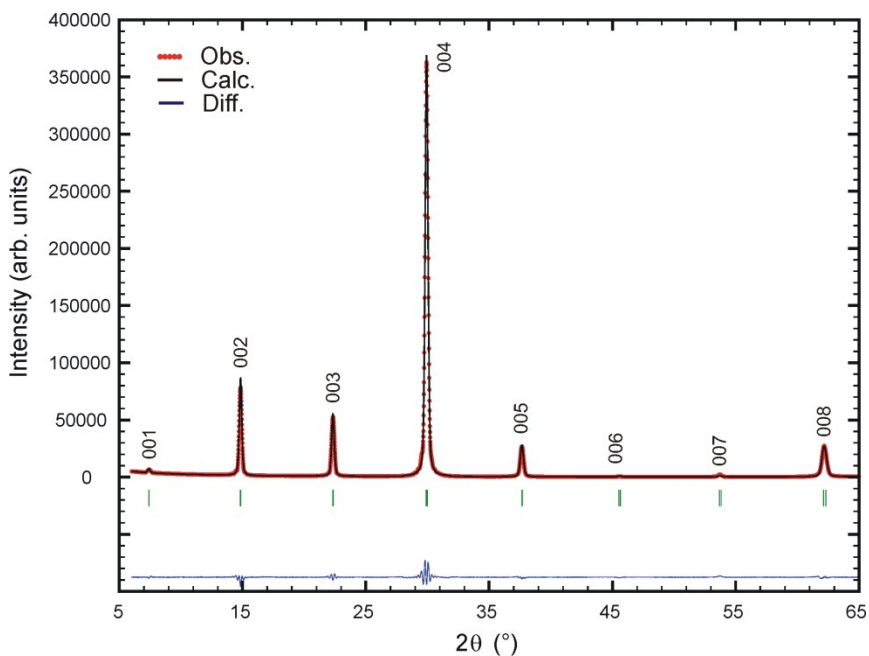
Fig. S2 Rietveld refinement results for the ferecrystalline compound ($[Sn_{0.77}Bi_{0.23}Se]_{1+\delta})_1(VSe_2)_1$.
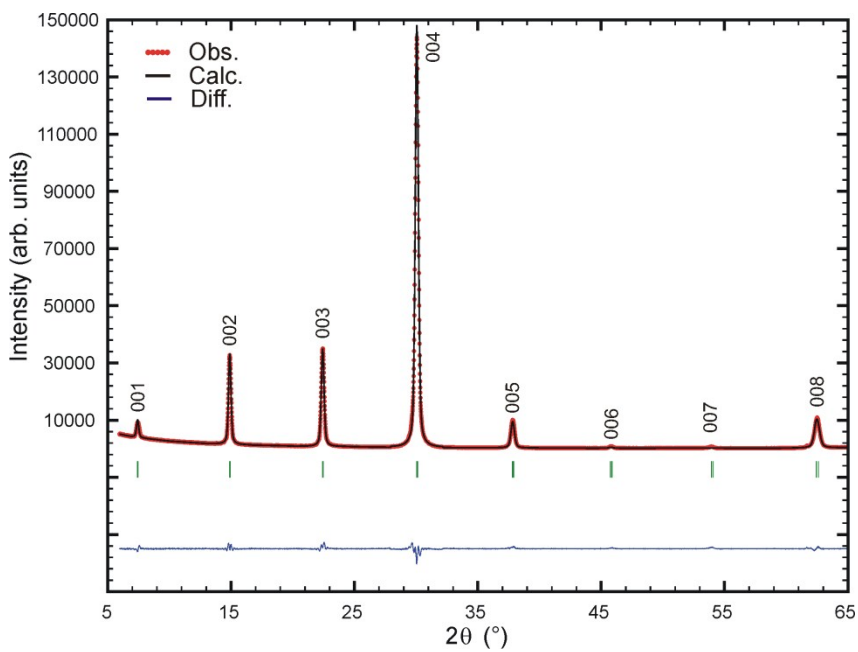
Fig. S3 Rietveld refinement results for the ferecrystalline compound ($[Sn_{0.58}Bi_{0.42}Se]_{1+\delta})_1(VSe_2)_1$.
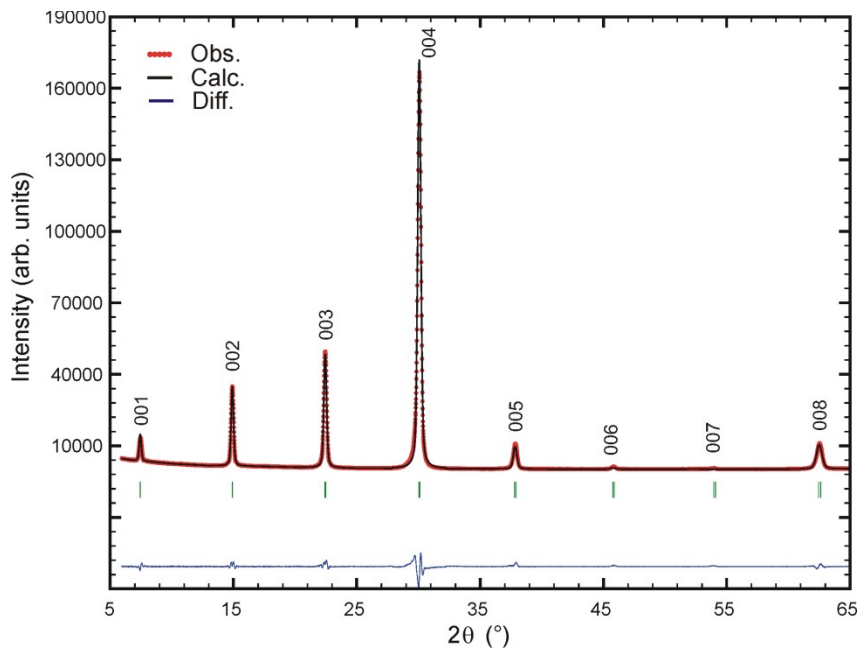
Fig. S4 Rietveld refinement results for the ferecrystalline compound $([Sn_{0.43}Bi_{0.57}Se]_{1+\delta})_1(VSe_2)_1$.
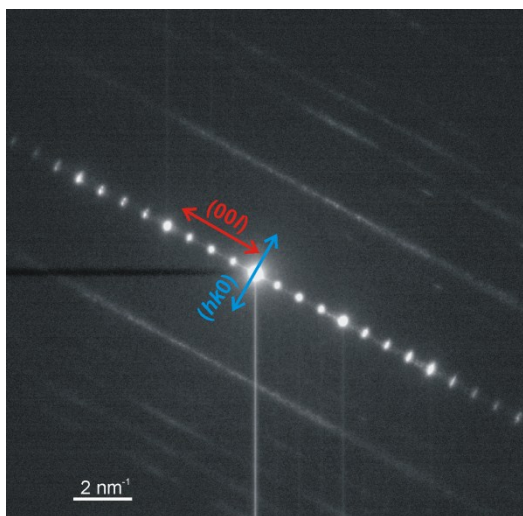
Fig. S5 Electron diffraction of the ferecrystalline compound $([Sn_{0.43}Bi_{0.57}Se]_{1+\delta})_1(VSe_2)_1$.