

Fig. S2a/ raw data of Fig 5

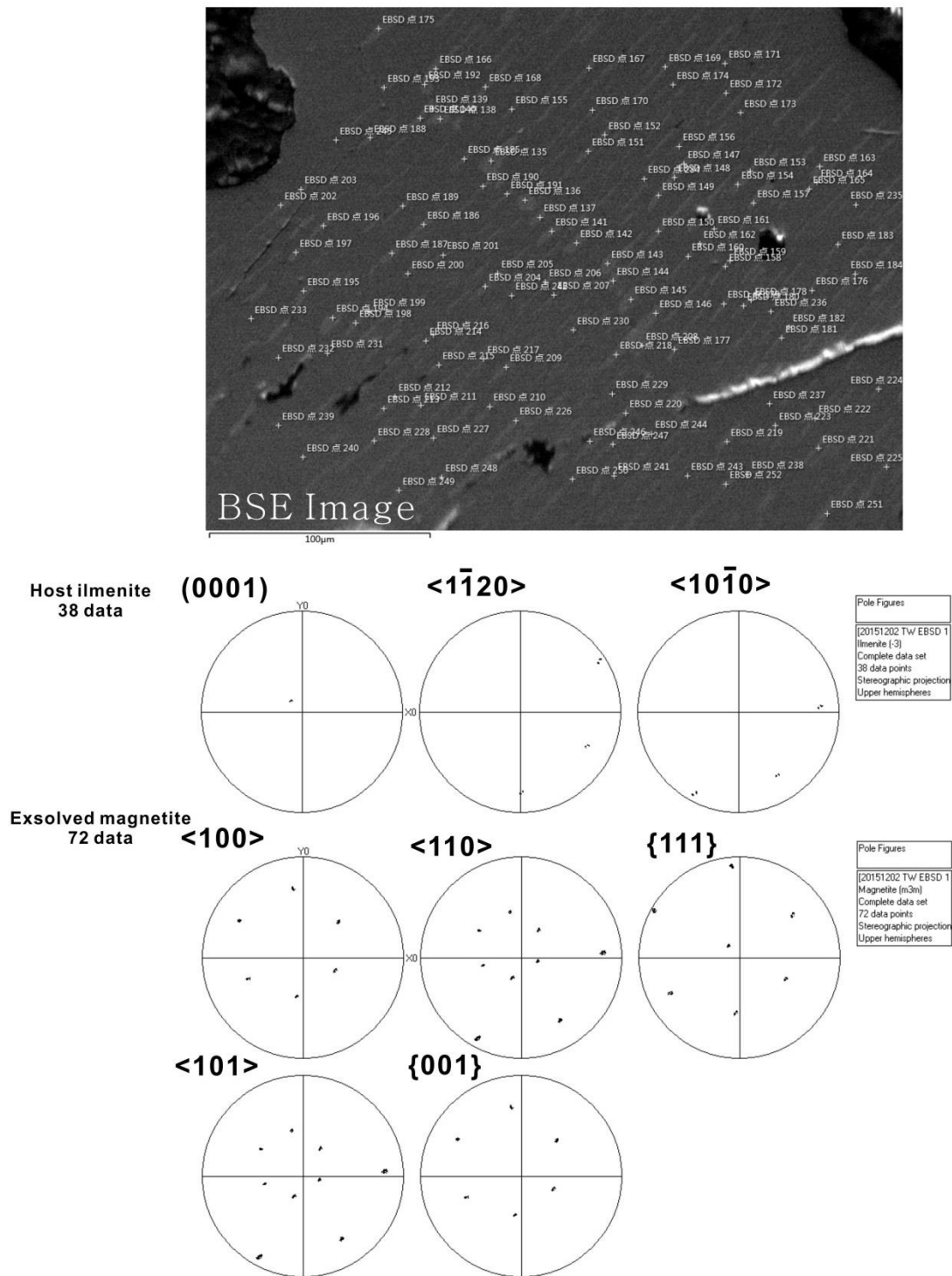


Fig. S2b

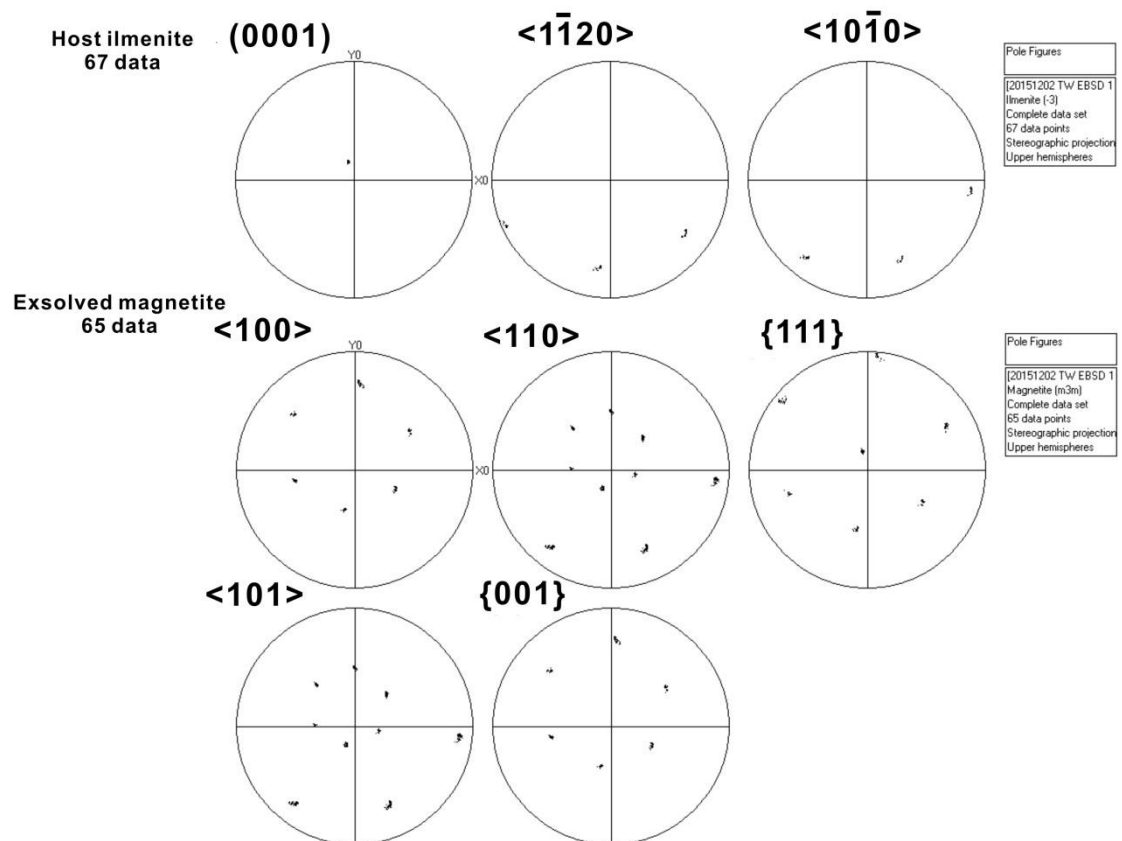
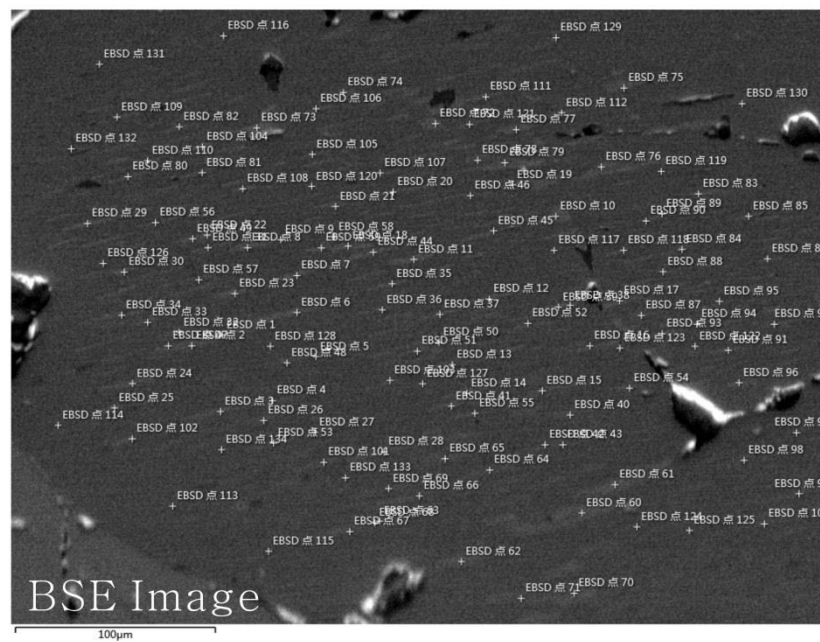


Fig. S2c

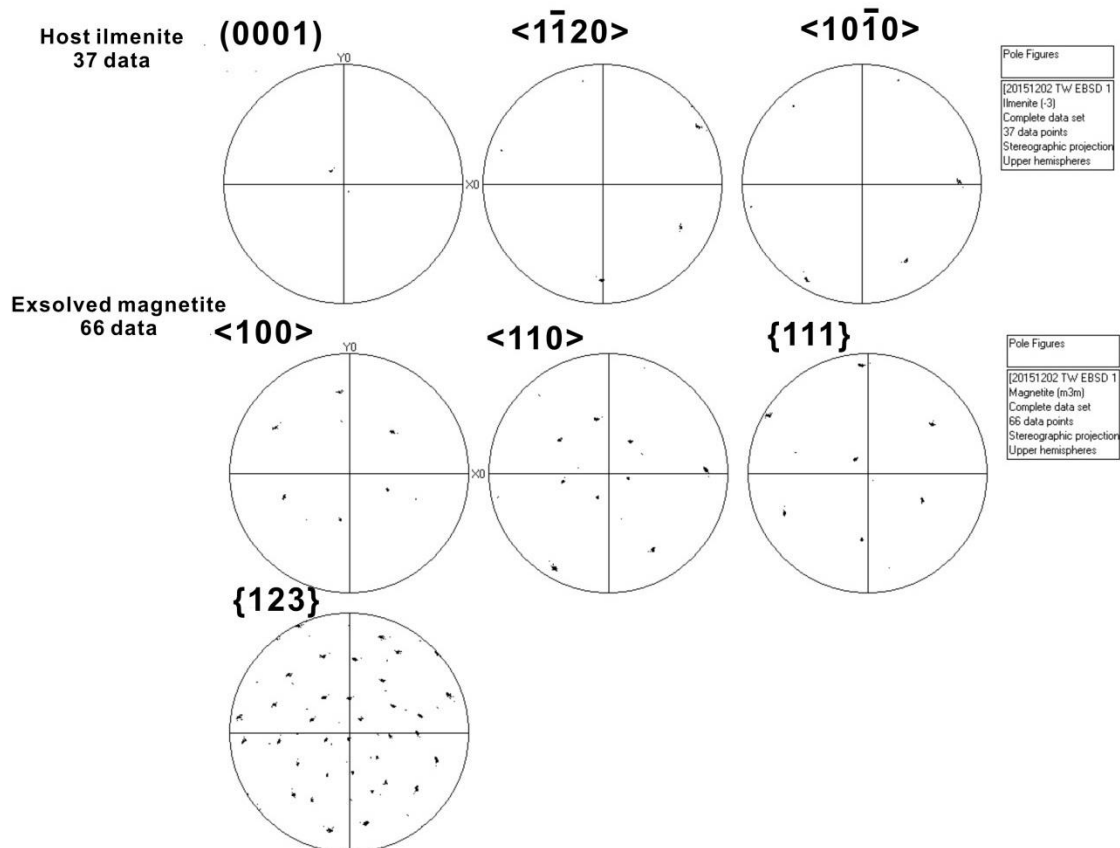
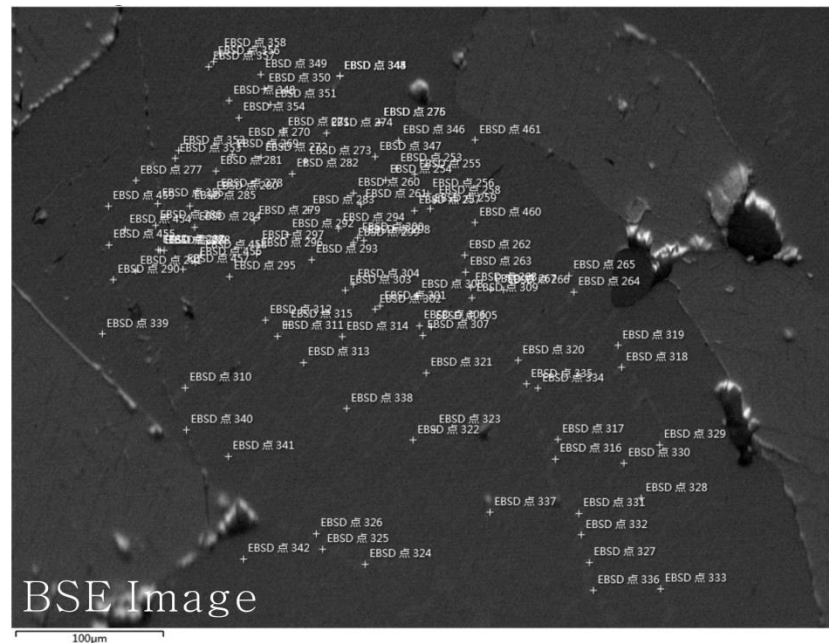
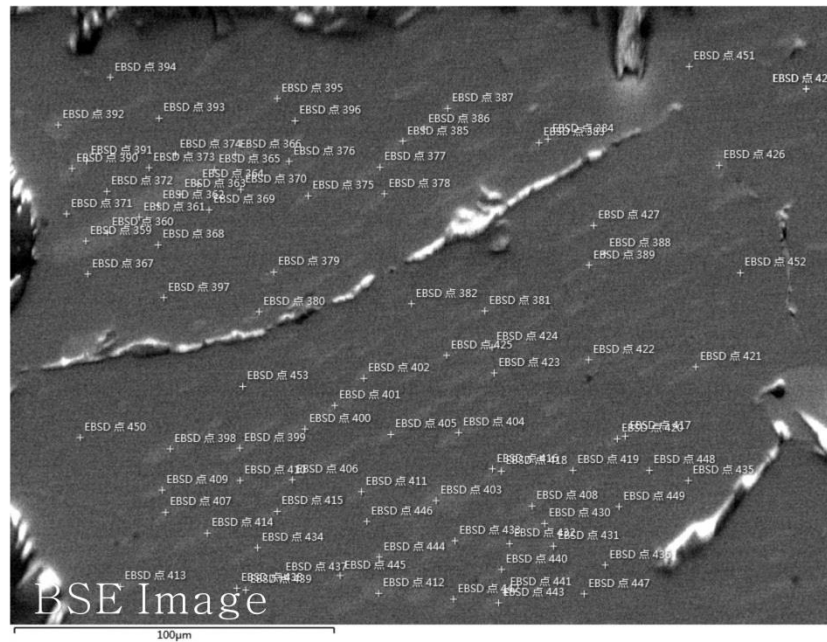


Fig. S2d

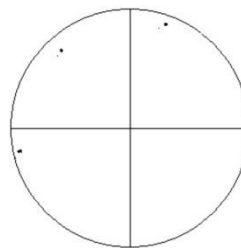
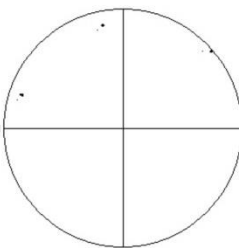
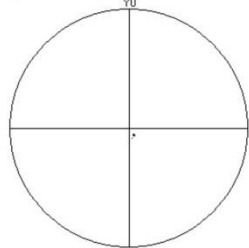


Host ilmenite
33 data

(0001)

$\langle 1\bar{1}20 \rangle$

$\langle 10\bar{1}0 \rangle$



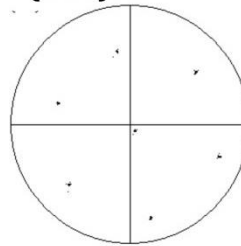
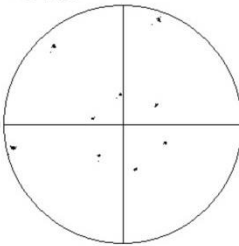
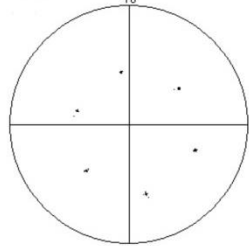
Pole Figures
 [2015]202 Tw EBSD 1
 Ilmenite (-3)
 Complete data set
 33 data points
 Stereographic projection
 Upper hemispheres

Exsolved magnetite
59 data

$\langle 100 \rangle$

$\langle 110 \rangle$

{111}



Pole Figures
 [2015]202 Tw EBSD 1
 Magnetite (m3m)
 Complete data set
 59 data points
 Stereographic projection
 Upper hemispheres

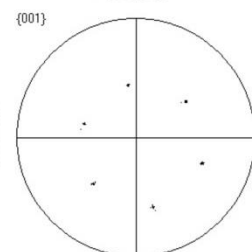
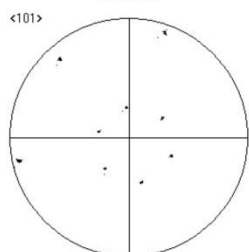


Fig. S2e

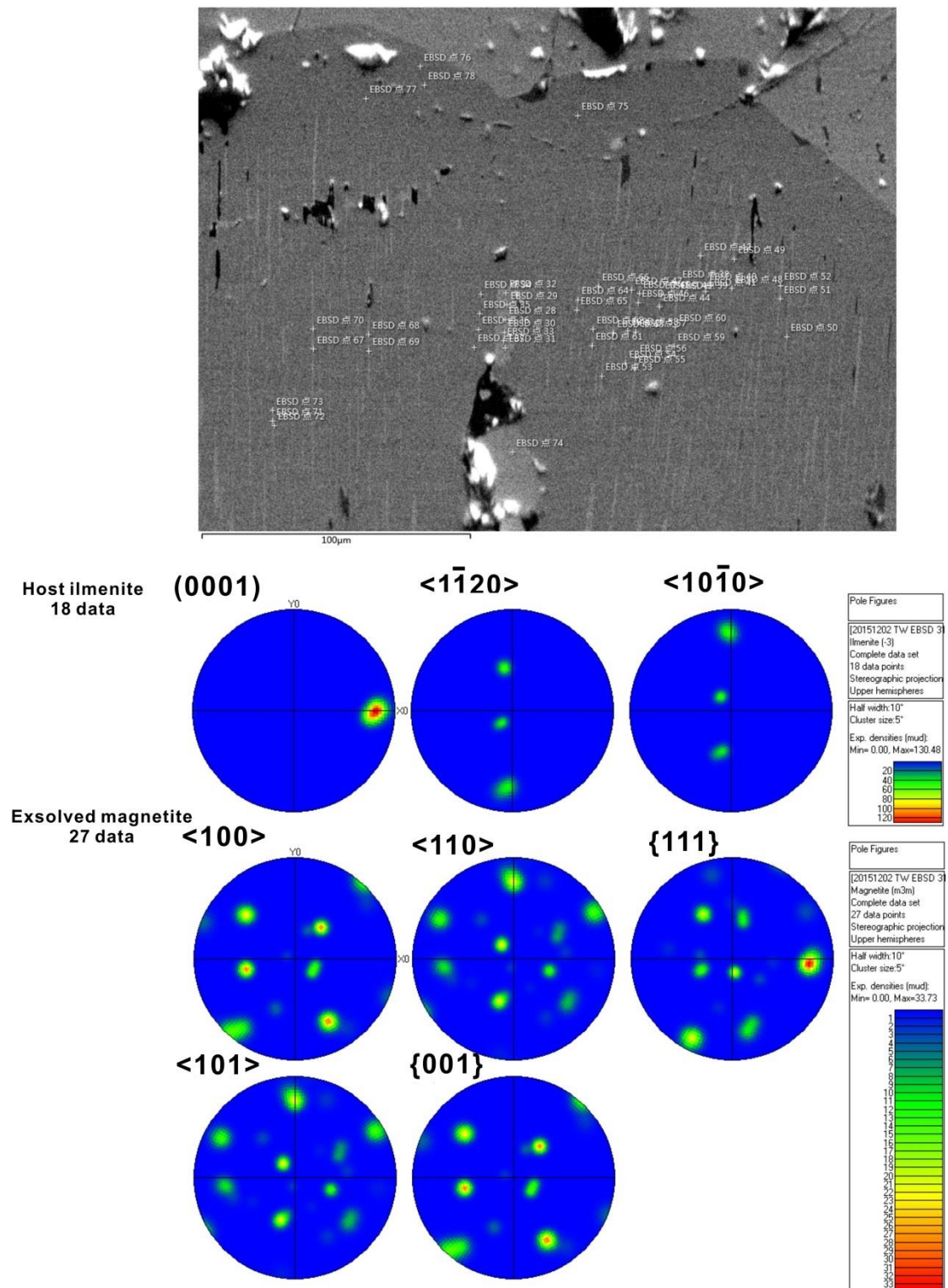


Fig. S2f

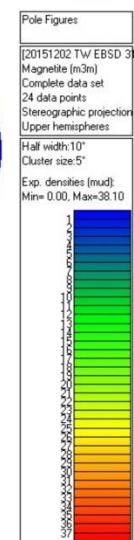


Fig. S2g

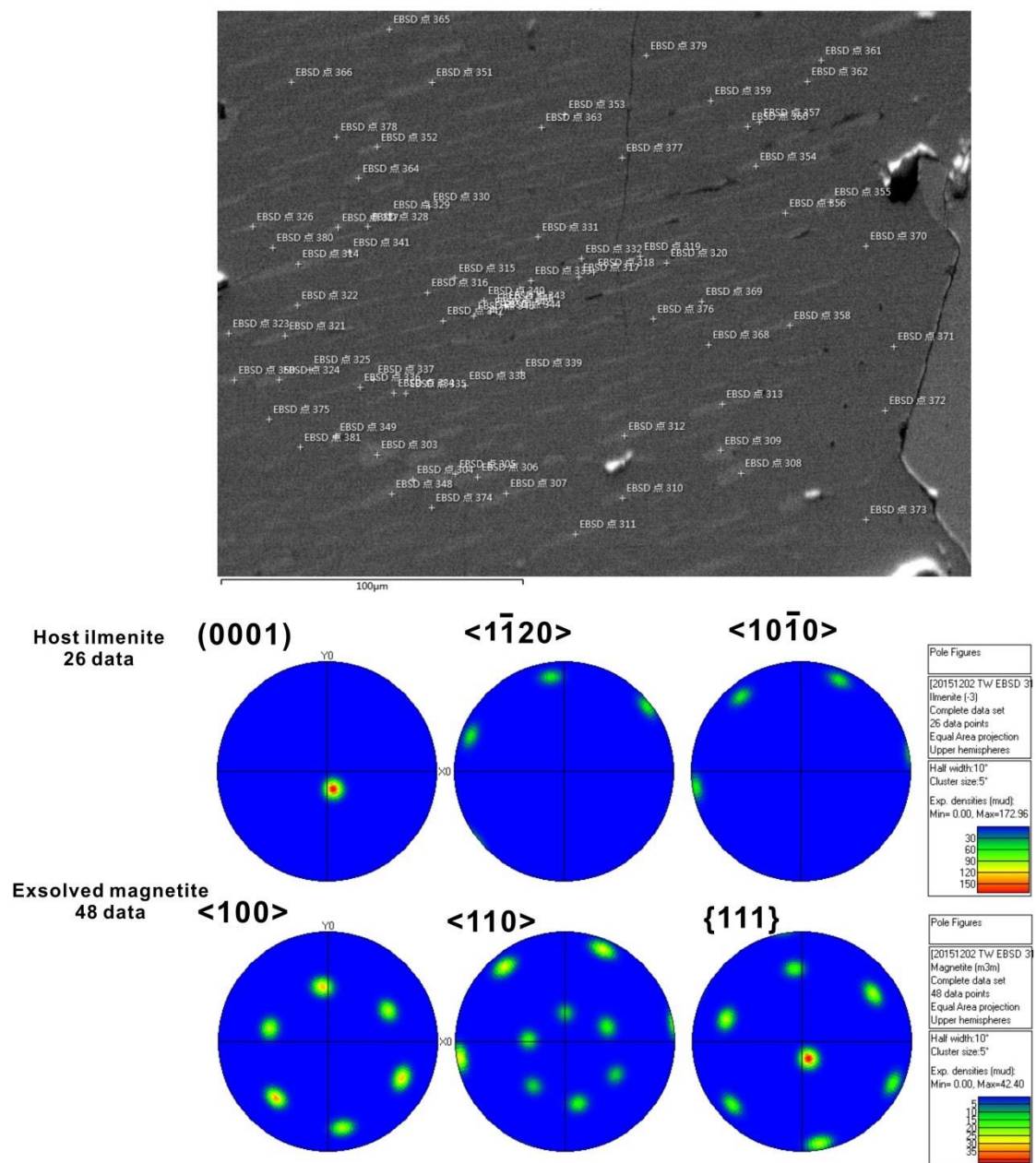


Fig. S2h

