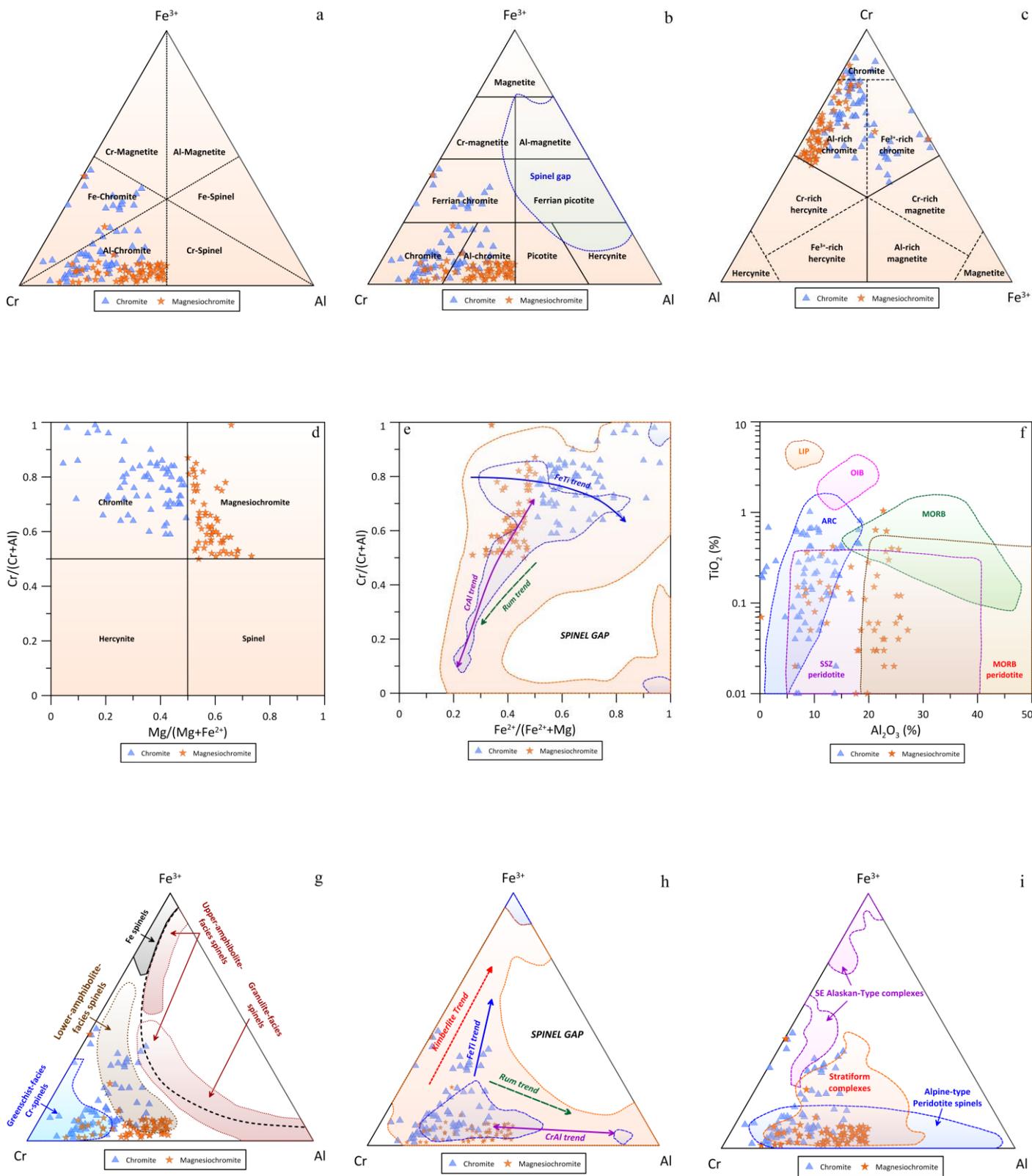
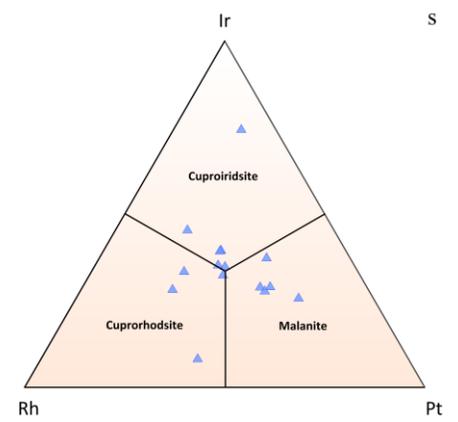
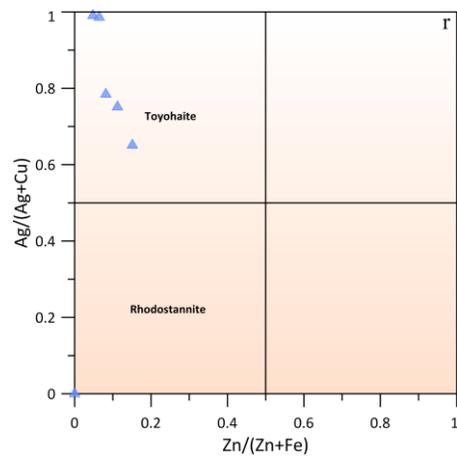
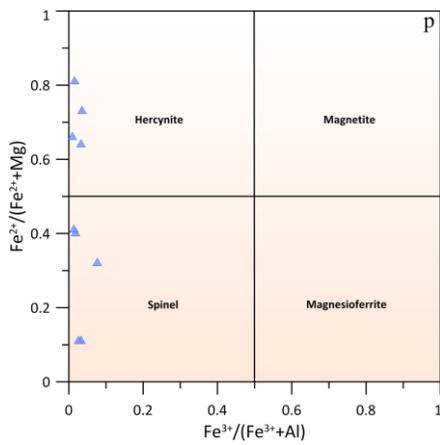
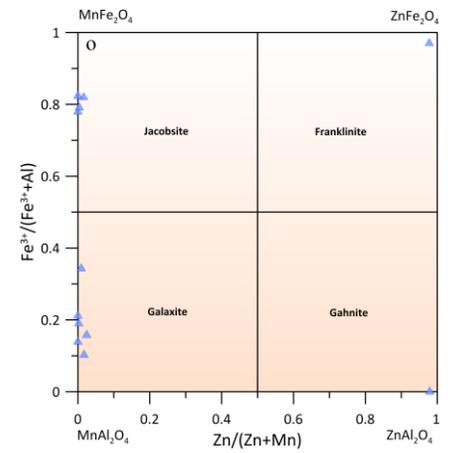
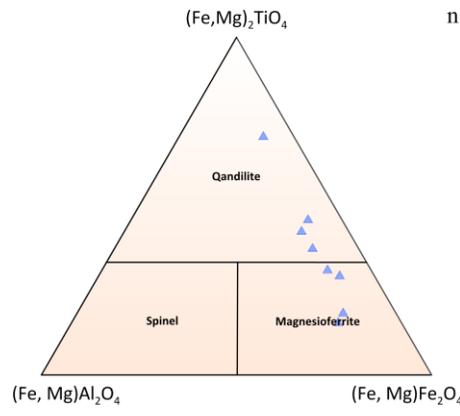
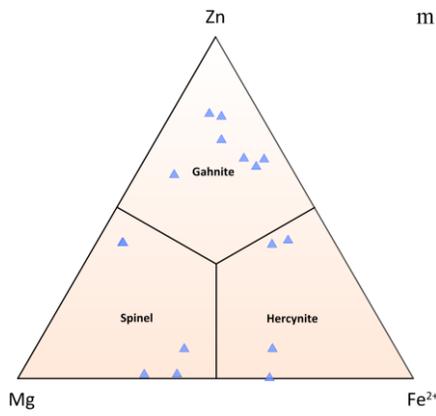
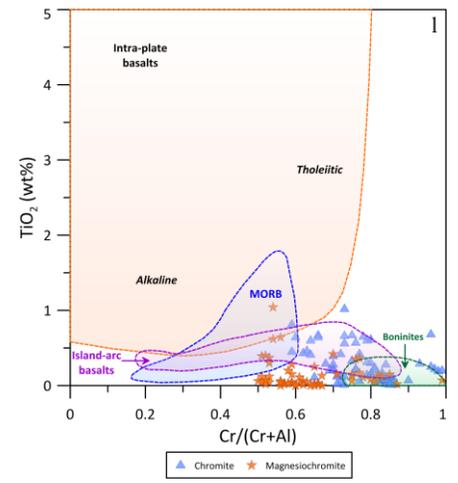
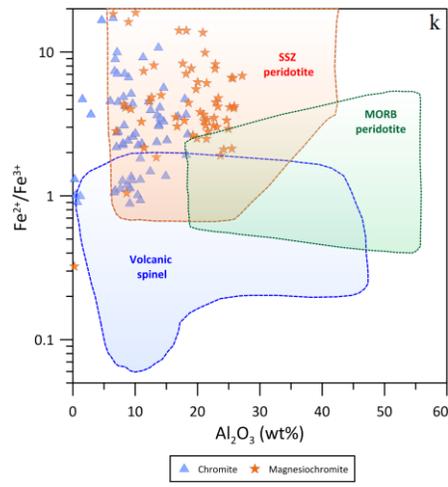
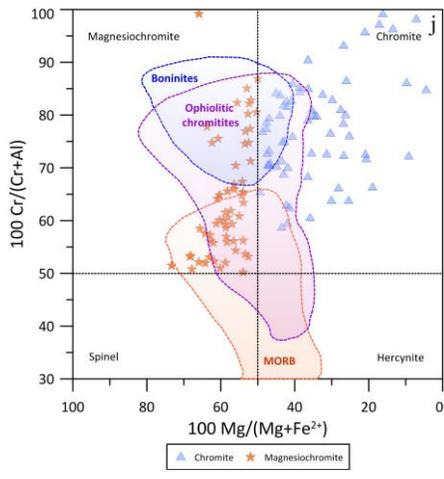
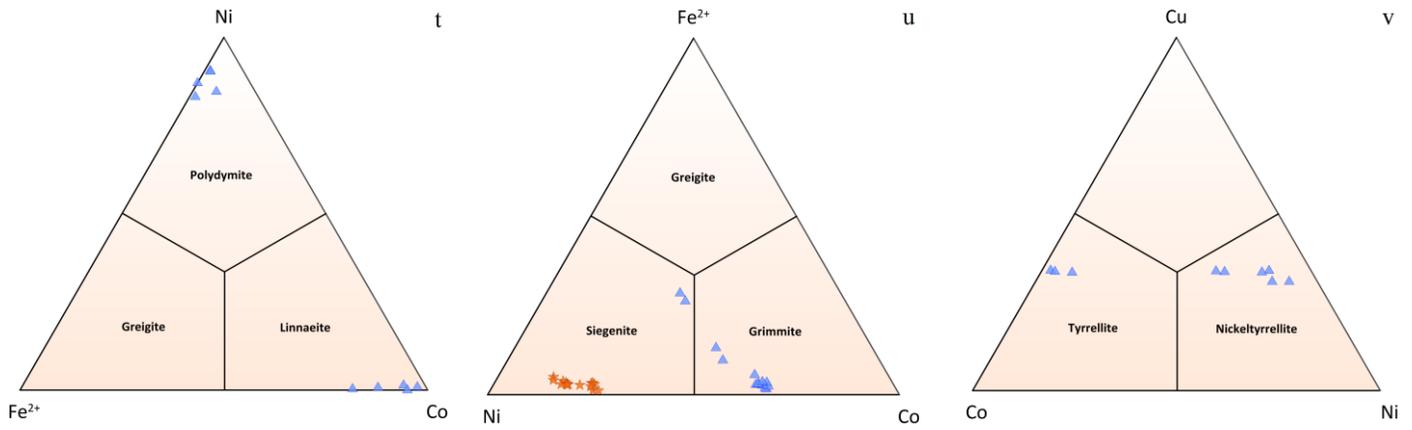


ESM 1 Selected plots of Cr-spinel compositional and spinel supergroup classification diagrams by WinSpingc program.







Notes: Figures from **a** – Stevens (1944); **b** – Gawlick et al. (2020; see references therein for discrimination fields); **c** – Mekhonoshin et al. (2020); **d** – after Al-Juboury et al. (2009); **e, h** – Barnes and Roeder (2001); **f, k** – Kamenetsky et al. (2001); **g** – Bhat et al. (2019); **i** – Cookenboo et al. (1997); **j** – Dick and Bullen (1984); **l** – Arai (1992); **m** – Heimann and Spry (2005); **n** – after Pascal et al. (2011); **o** – after Essene and Peacor (1983); **p, t, s** – This study; **r** – Yajima et al. (1991); **s** – Barkov et al. (2000), **v** – Förster et al. (2019). Chromite and magnesiochromite analyses in figures **a** to **l** are taken from Harstad et al. (2020).