**Supplementary Appendix**

*Plots of* MgO, FeOt, TiO2, P2O5, K2O, Na2O, Rb, Ba, Sr, Cr, Ni, Eu, Nb, U, Th, La, Ce, Yb, Sc, Y, and Pb versus Zr for the lamprophyre dykes from the North Qiangtang, central Tibetan Plateau.



