Supplementary material 6: Macrocryst (M) and matrix (m) assemblages of mafic alkaline rocks and phonolites in the PQAC. B is basanite, N is nephelinite, AB is alkaline basalt, T is tephrite, PT is phonotephrite, HP is hornblende phonolite, BP is biotite phonolite, AP is aegirine-augite phonolite, Psd is pseudomorphs, Anl is analcime, Hb is hornblende, Arf is arfvedsonite, Krs is kaersutite. Accessory phases in matrix also include apatite, titanite, Ti-magnetite (or other indiscriminated opaque minerals) and zircon.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mineral / Rock | B | N | AB | T | PT | HP | BP | AP |
| Olivine | M | M | None | M (psd) | M (psd) | None | None | None |
| Augite | M | M | M | None | None | None | None | None |
| Ti-augite | m | jum | m | m | m | None | None | None |
| Aegirine-augite | None | None | None | None | None | None | None | M; m |
| Biotite | m | m | m | m | m | M, m | M; m | None |
| Amphibole | m (Krs) | m (Krs) | m (Krs) | M (Krs); m (Krs) | M (Krs); m (Krs) | M (Hb), m (Hb) | M (Hb); m (Hb) | None; m (Arf) |
| Sanidine | m | m | m | m | m | M; m | M; m | M; m |
| Plagioclase | None | None | m | none | none | M | m | None |
| Nepheline/Analcime | m (Anl) | m (Anl) | m (Anl) | m (Anl) | m (Anl) | M; m | m | M; m |
| Nosean | None | None | None | None | None | M | None | None |
| Sodalite | None | None | None | None | None | None | None | M; m |