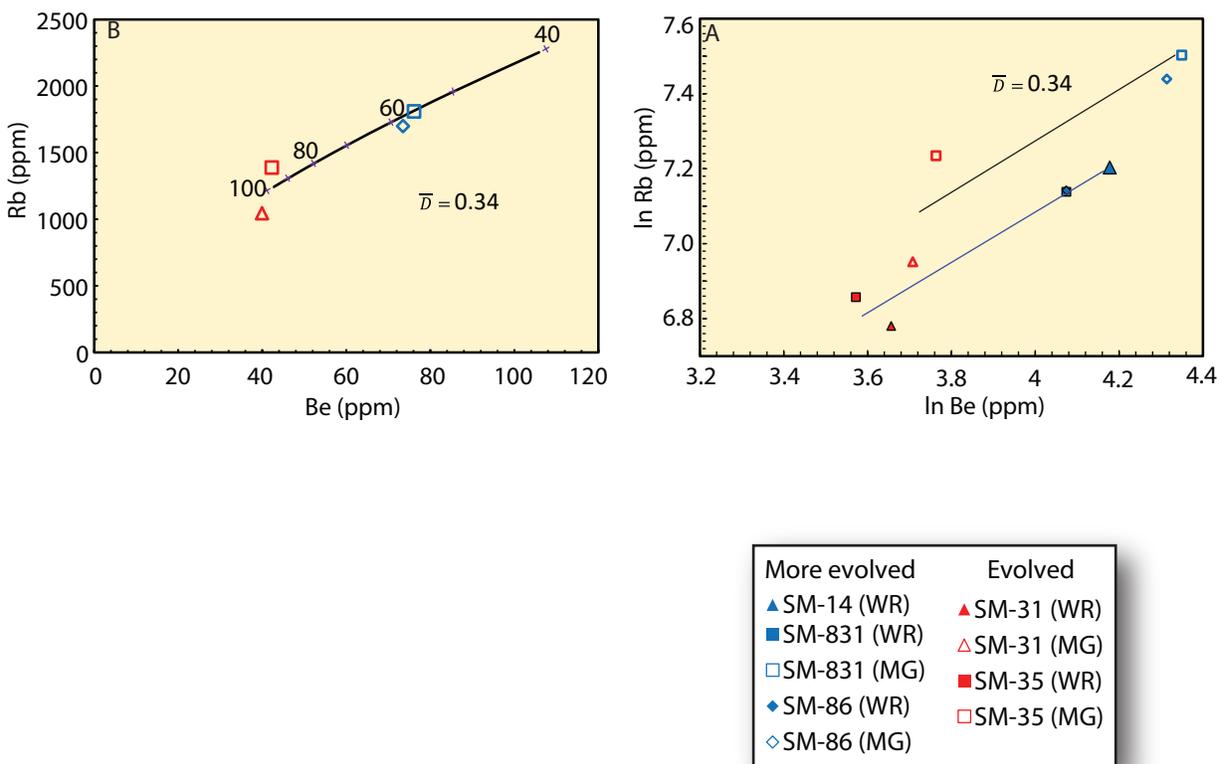


Supplementary Figure 1



**Supplementary Figure 1.** Forward modeling of fractional crystallization in the Spor Mountain rhyolite. Data points in red represent the less evolved rhyolites (SM-31 and -35), and are assumed to be the parental liquid (i.e.,  $f = 1$ ; 100% melt); blue symbols represent the more evolved magma (SM-831 and -86). Lines represent the liquid lines of descent, with purple crosses at 10% melt increments. Numbers next to line indicate melt fraction ( $f$ ). The compositions of the more evolved rhyolites plot between 55% and 60% residual melt fraction.