| Sample | $\delta^{18}O$ qz bif | $\delta^{18}O$ ht bif | $\delta^{18}O$ mt bif | $\delta^{18}O$ qz vein | $\delta^{18}O$ ht vein | % qz | % ht | % mt | $\Delta^{18}O$ ht-mt | $\Delta^{18}O$ qz-mt | $\Delta^{18}O$ qz-ht | $T_{calc}$ qz-mt | $T_{calc}$ qz-ht | $\Delta$ qz-feox vein | $T_{calc}$ vein |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22B 1 | 18.5 | | | | | 95 | 5 | 0 | | | | | | | |
| 22B | 19.2 | 5.1 | 3.0 | 18.5 | | 50 | 35 | 15 | 2.1 | 16.2 | 14.1 | 310 | 265 | 15.5 | 330 |
| 20 2 | | | | 19.6 | 8.2 | 100 | 0 | 0 | | | 11.4 | | 405 | 11.4 | 405 |
| 20 3 | 17.5 | 0.8 | | | | 50 | 30 | 20 | | | 16.7 | | 195 | | |
| 25 | 20.9 | | | | | 99 | 0 | 1 | | | | | | | |
| 32 1 | 19.5 | 5.2 | | | | 75 | 25 | 0 | | | 14.3 | | 255 | | |
| 32 2 | 17.1 | | 1.3 | 19.7 | | 12 | 78 | 10 | | 15.8 | | 315 | | 18.4 | 280 |
| 33 1 | 19.1 | 6.1 | 5.1 | | | 21 | 47 | 32 | | 12.4 | | 405 | | | |
| 36 1 | 19.8 | 8.4 | | | | 33 | 33 | 33 | | | 11.4 | | 405 | | |
| 36 2 | 21.2 | 4.1 | | | | 9 | 58 | 33 | | | 17.1 | | 180 | | |
| 45A | 19.7 | 6.4 | 5.0 | | | 14 | 39 | 47 | 1.4 | 14.7 | 13.3 | 350 | 295 | | |
| 49A 1 | 21.8 | | 2.9 | 18.1 | | 20 | 30 | 50 | | 18.9 | | 270 | | 15.2 | 335 |
| 53B 1 | 9.0 | 5.8 | | | 2.9 | 33 | 67 | 0 | | | 3.2 | | | | |
| 53B 2 | 13.6 | 6.8 | | | | 70 | 30 | 0 | | | | | | | |
| J5W1 | 19.5 | 8.4 | 3.8 | | 5.9 | 30 | 50 | 20 | 4.6 | 15.7 | 11.1 | 315 | 410 | | |
| PB81/2 | | | | 19.5 | 1.8 | 0 | 100 | 0 | | | 17.7 | | | 17.7 | 170 |
| PB82/1 | | | | 19.3 | 2.9 | 100 | 0 | 0 | | | 16.4 | | | 16.4 | 200 |
| PB83C | | -1.8 | | | | 0 | 100 | 0 | | | | | | | |
| PB85A | | | | | -3.4 | 0 | 100 | 0 | | | | | | | |
| 22A | | -1.0 | | | | 0 | 100 | 0 | | | | | | | |
| 23 | | -4.0 | | | | 0 | 100 | 0 | | | | | | | |
| 73 1 | | -3.2 | | | | 0 | 100 | 0 | | | | | | | |
| 73 2 | | -1.7 | | | | 0 | 100 | 0 | | | | | | | |
| 75 | | -2.1 | | | | 0 | 100 | 0 | | | | | | | |
| 17 | | -2.8 | | | | 0 | 100 | 0 | | | | | | | |

Abbreviations: bif = mineral extracted from Banded Iron Formation, qz = quartz, ht = hematite, mt = magnetite, feox = either hematite or magnetite, $T_{calc}$ = calculated oxygen isotope temperature using methods described in text. % mineral are visual estimates for figures rounded to the nearest 5%, and are weighed % from mineral separates for the remainder.