**Supplementary Information Table S2:** Profile description at JFL1.

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| Unit (Comparison to KAT1) | Depth (m) | Description |
| 1 (S2) | 0-0.9 | Beige to brown, micaceous sandy silt with very rare carbonate rhizoliths, very well sorted with frosted grains; low angles cross stratification near base. |
| 2 (S3) | 0.9-1m | Small scour fills of pebbly conglomerate. |
| 3 (S3) | 1-1.5m | Buff silty sand with small, white carbonate nodules and some rhizoliths, occasional pebbles and granules of quartzite. |
| 4 (S4) | 1.5-1.7m | Well-rounded quartzite pebble conglomerate, clast supported at base, matrix supported at top; flat topped with erosive base. |
| 5 (S5) | 1.7-2 | Buff silty sand with small carbonate nodules and occasional quartzite pebbles. |
| 6 (S6) | 2-2.25 | Large rounded quartzite pebble conglomerate with buff sandy matrix and small rounded carbonate nodules. |
| 7 (S7) | 2.25-2.5 | Buff medium sand with small carbonate nodules. |
| 8 (S8) | 2.5-2.8 | Cobble conglomerate, clast supported at base, fines upwards; base of unit down cuts to the west. |
| 9 | 2.8-3.2 | Buff medium sand with abundant carbonate nodules and occasional flake tools. |
| 10 | >3.2 | Coarse cobble to boulder conglomerate, clast supported at base, fines upwards, well rounded quartzite clasts with buff medium sand matrix. |