**Table 1**

Recalculated 10Be ages of Quaternary moraines using P-CAAT in the referred study areas on the southeast TP (age with 0mm/kyr erosion rate).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Area** | **Site name** | **Group ID** | **Ages (n)** | **Bandwith** | **Gauss Age/ka** | **Uncertainty/(1-Sigma/ka)** | **Publication** |
| Eastern Nyainqentanglha | Bodui Zangbo River valley | GX-A | 4 | 0.57 | 139.0 | 68.9 | Zhou et al.(2007) |
| Eastern Nyainqentanglha | Bodui Zangbo River valley | BYG-B | 8 | 0.13 | 18.9 | 3.5 | Zhou et al.(2007) |
| Eastern Nyainqentanglha | Basongcuo | BSC-A | 3 | 0.09 | 18.3 | 2.4 | Hu et al. (2017) |
| Shaluli Mountains | B moraine | SMTB-B | 2 | 0.08 | 151.7 | 18.8 | Fu et al. (2013) |
| Shaluli Mountains | C moraine | SMTB-C | 3 | 0.07 | 108.3 | 13.1 | Fu et al. (2013) |
| Shaluli Mountains | D moraine | SMTB-D | 1 | 0.3 | 120.8 | 41.7 | Fu et al. (2013) |
| Shaluli Mountains | E moraine | SMTB-E | 2 | 0.05 | 125.9 | 12.1 | Fu et al. (2013) |
| Shaluli Mountains | H moraine | SMTB-H | 2 | 0.2 | 95.2 | 27.2 | Fu et al. (2013) |
| Shaluli Mountains | J moraine | SMTB-J | 3 | 0.03 | 15.6 | 1.2 | Fu et al. (2013) |
| Shaluli Mountains | L moraine | SMTB-L | 2 | 0.7 | 125.0 | 84.9 | Fu et al. (2013) |
| Shaluli Mountains | M moraine | SMTB-M | 3 | 0.03 | 106.4 | 7.6 | Fu et al. (2013) |
| Shaluli Mountains | N moraine | SMTB-N | 2 | 0.08 | 20.8 | 2.5 | Fu et al. (2013) |
| Shaluli Mountains | P moraine | SMTB-P | 2 | 0.1 | 124.8 | 21.5 | Fu et al. (2013) |
| Shaluli Mountains | Q moraine | SMTB-Q | 2 | 0.2 | 171.7 | 36.1 | Fu et al. (2013) |
| Shaluli Mountains | Gemuxiang outer moraine | GMX-I | 4 | 0.4 | 32.1 | 17.6 | Chevalier and Replumaz (2019) |
| Shaluli Mountains | Cuopu c moraine | LIC-c | 9 | 0.2 | 130.4 | 46.0 | Chevalier et al. (2016) |
| Shaluli Mountains | Cuopu d moraine | LIC-d | 5 | 0.05 | 16.5 | 1.5 | Chevalier et al. (2016) |
| Shaluli Mountains | Cuopu e moraine | LIC-e | 2 | 0.01 | 16.3 | 0.8 | Chevalier et al. (2016) |
| Shaluli Mountains | Zhuqing | ZDG | 7 | 0.08 | 20.1 | 3.2 | Chevalier et al. (2018) |
| Shaluli Mountains | Ganzi | GZ | 9 | 0.4 | 65.7 | 36.4 | Chevalier et al. (2018) |
| Shaluli Mountains | Litang | Lit | 4 | 0.04 | 18.5 | 1.1 | Schäfer et al. (2002) |
| Daxue Mountain | Kangding | KAN | 4 | 0.04 | 15.8 | 1.3 | Strasky et al. (2009b) |
| Daxue Mountain | Selaha moraine | SLH | 8 | 0.06 | 19.5 | 2.3 | Bai et al. (2018) |
| Daxue Mountain | Yangjiagou moraine | YJG | 7 | 0.2 | 10.4 | 2.5 | Bai et al. (2018) |
| Shaluli Mountains | Xinlong Plateau | TSO-a | 3 | 0.03 | 20.7 | 1.5 | Graf et al. (2008) |
| Shaluli Mountains | Xinlong Plateau | TSO-b | 2 | 0.06 | 19.6 | 2.0 | Graf et al. (2008) |
| Gongga Mountain | Youngest moraine | GS-A | 7 | 0.8 | 1.3 | 0.9 | Owen et al. (2005) |
| Gongga Mountain | Outwash terrace | GS-B | 3 | 0.7 | 8.5 | 1.4 | Owen et al. (2005) |
| Gongga Mountain | Oldest moraine | GS-C | 4 | 0.4 | 11.3 | 0.7 | Owen et al. (2005) |
| Gongga Mountain | Gongga Valley | GM4 | 3 | 0.1 | 11.0 | 0.5 | Wang et al. (2022) |
| Gongga Mountain | Gongga Valley | GM5 | 8 | 0.06 | 16.0 | 2.2 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM1 | 9 | 0.03 | 15.4 | 1.4 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM2 | 5 | 0.03 | 19.4 | 1.5 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM3 | 9 | 0.3 | 21.5 | 8.9 | Wang et al. (2022) |
| Xuebaoding Mountain | Yanjin Valley | YJM1 | 3 | 2.0 | 5.8 | 2.7 | Liu et al. (2018) |
| Xuebaoding Mountain | Yanjin Valley | YJM2 | 4 | 0.4 | 12.8 | 0.8 | Liu et al. (2018) |
| Xuebaoding Mountain | Sancha Valley | SCM2 | 2 | 0.9 | 11.4 | 1.2 | Liu et al. (2018) |
| Xuebaoding Mountain | Sancha Valley | SCM3 | 5 | 1.1 | 12.6 | 2.0 | Liu et al. (2018) |
| Xuebaoding Mountain | Rijiu Valley | RJM1 | 2 | 0.2 | 1.5 | 0.2 | Liu et al. (2018) |
| Yulong Mountain | Ynakeyu village | YKY | 5 | 0.1 | 46.9 | 11.1 | Kong et al. (2009) |
| Taniantaweng Mountain | Juequ Valley | JM5 | 3 | 0.6 | 96.1 | 63.6 | This study |
| Taniantaweng Mountain | Juequ Valley | JM4 | 3 | 0.2 | 44.4 | 10.0 | This study |
| Taniantaweng Mountain | Juequ Valley | JM3 | 2 | 0.3 | 24.8 | 7.8 | This study |
| Taniantaweng Mountain | Juequ Valley | JM2 | 3 | 1.4 | 7.8 | 1.6 | This study |
| Taniantaweng Mountain | Qinggulong Valley | QM3 | 7 | 0.1 | 15.3 | 2.8 | This study |
| Taniantaweng Mountain | Qinggulong Valley | QM2 | 2 | 0.9 | 8.5 | 0.9 | This study |

**Table 2**

Recalculated 10Be ages of Quaternary moraines using P-CAAT in the referred study areas on the southeast TP (age with 1 mm/kyr erosion rate).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Area** | **Site name** | **Group ID** | **Ages (n)** | **Bandwith** | **Gauss Age/ka** | **Uncertainty/(1-Sigma/ka)** | **Publication** |
| Nyainqentanglha Mountains | Bodui Zangbo River valley | GX-A | 4 | 0.5 | 160.7 | 86.6 | Zhou et al.(2007) |
| Nyainqentanglha Mountains | Bodui Zangbo River valley | BYG-B | 8 | 0.1 | 19.2 | 3.6 | Zhou et al.(2007) |
| Nyainqentanglha Mountains | Basongcuo | BSC-A | 3 | 0.09 | 18.6 | 2.4 | Hu et al. (2017) |
| Shaluli Mountains | B moraine | SMTB-B | 2 | 0.09 | 176.1 | 25.4 | Fu et al. (2013) |
| Shaluli Mountains | C moraine | SMTB-C | 3 | 0.08 | 102.2 | 14.0 | Fu et al. (2013) |
| Shaluli Mountains | D moraine | SMTB-D | 1 | 0.3 | 134.9 | 50.7 | Fu et al. (2013) |
| Shaluli Mountains | E moraine | SMTB-E | 2 | 0.07 | 144.4 | 16.9 | Fu et al. (2013) |
| Shaluli Mountains | H moraine | SMTB-H | 2 | 0.2 | 102.6 | 30.9 | Fu et al. (2013) |
| Shaluli Mountains | J moraine | SMTB-J | 3 | 0.04 | 15.8 | 1.2 | Fu et al. (2013) |
| Shaluli Mountains | M moraine | SMTB-M | 3 | 0.03 | 115.6 | 9.3 | Fu et al. (2013) |
| Shaluli Mountains | N moraine | SMTB-N | 2 | 0.08 | 21.1 | 2.5 | Fu et al. (2013) |
| Shaluli Mountains | P moraine | SMTB-P | 2 | 0.2 | 141.5 | 28.5 | Fu et al. (2013) |
| Shaluli Mountains | Q moraine | SMTB-Q | 2 | 0.2 | 199.6 | 47.0 | Fu et al. (2013) |
| Shaluli Mountains | Gemuxiang outer moraine | GMX-I | 6 | 0.4 | 25.3 | 13.7 | Chevalier and Replumaz (2019) |
| Shaluli Mountains | Cuopu c moraine | LIC-c | 7 | 0.2 | 159.3 | 57 | Chevalier et al. (2016) |
| Shaluli Mountains | Cuopu d moraine | LIC-d | 4 | 0.05 | 16.1 | 1.5 | Chevalier et al. (2016) |
| Shaluli Mountains | Cuopu e moraine | LIC-e | 2 | 0.01 | 16.5 | 0.8 | Chevalier et al. (2016) |
| Shaluli Mountains | Zhuqing | ZDG | 7 | 0.09 | 20.3 | 3.3 | Chevalier et al. (2018) |
| Shaluli Mountains | Ganzi | GZ | 10 | 0.4 | 22.4 | 17.3 | Chevalier et al. (2018) |
| Shaluli Mountains | Litang | Lit | 4 | 0.04 | 18.8 | 1.2 | Schäfer et al. (2002) |
| Daxue Mountain | Kangding | KAN | 4 | 0.04 | 16.0 | 1.3 | Strasky et al. (2009b) |
| Daxue Mountain | Selaha moraine | SLH | 8 | 0.07 | 19.8 | 2.4 | Bai et al. (2018) |
| Daxue Mountain | Yangjiagou moraine | YJG | 6 | 0.2 | 10.4 | 2.5 | Bai et al. (2018) |
| Shaluli Mountains | Xinlong Plateau | TSO-a | 3 | 0.03 | 21.0 | 1.6 | Graf et al. (2008) |
| Shaluli Mountains | Xinlong Plateau | TSO-b | 2 | 0.06 | 20.0 | 2.1 | Graf et al. (2008) |
| Gongga Mountain | Youngest moraine | GS-A | 7 | 0.7 | 1.1 | 0.8 | Owen et al. (2005) |
| Gongga Mountain | Outwash terrace | GS-B | 3 | 1.2 | 8.6 | 1.4 | Owen et al. (2005) |
| Gongga Mountain | Oldest moraine | GS-C | 4 | 0.4 | 11.4 | 0.8 | Owen et al. (2005) |
| Gongga Mountain | Gongga Valley | GM4 | 3 | 0.1 | 11.0 | 0.5 | Wang et al. (2022) |
| Gongga Mountain | Gongga Valley | GM5 | 8 | 0.06 | 16.2 | 2.2 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM1 | 9 | 0.03 | 15.6 | 1.5 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM2 | 5 | 0.02 | 19.7 | 1.5 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM3 | 9 | 0.3 | 21.9 | 9.2 | Wang et al. (2022) |
| Xuebaoding Mountain | Yanjin Valley | YJM1 | 3 | 2.1 | 5.9 | 2.8 | Liu et al. (2018) |
| Xuebaoding Mountain | Yanjin Valley | YJM2 | 4 | 0.4 | 12.9 | 0.8 | Liu et al. (2018) |
| Xuebaoding Mountain | Sancha Valley | SCM2 | 2 | 0.9 | 11.5 | 1.2 | Liu et al. (2018) |
| Xuebaoding Mountain | Sancha Valley | SCM3 | 5 | 1.1 | 12.7 | 2.1 | Liu et al. (2018) |
| Xuebaoding Mountain | Rijiu Valley | RJM1 | 2 | 0.2 | 1.5 | 0.2 | Liu et al. (2018) |
| Yulong Mountain | Ynakeyu village | YKY | 5 | 0.1 | 47.8 | 11.7 | Kong et al. (2009) |
| Taniantaweng Mountain | Juequ Valley | JM5 | 3 | 0.7 | 104.0 | 76.6 | This study |
| Taniantaweng Mountain | Juequ Valley | JM4 | 3 | 0.2 | 46.3 | 12.8 | This study |
| Taniantaweng Mountain | Juequ Valley | JM3 | 2 | 0.3 | 25.3 | 9.2 | This study |
| Taniantaweng Mountain | Juequ Valley | JM2 | 3 | 1.4 | 7.9 | 1.8 | This study |
| Taniantaweng Mountain | Qinggulong Valley | QM3 | 7 | 0.1 | 15.4 | 3.5 | This study |
| Taniantaweng Mountain | Qinggulong Valley | QM2 | 2 | 0.9 | 8.6 | 1.3 | This study |

**Table 3**

Recalculated 10Be ages of Quaternary moraines using P-CAAT in the referred study areas on the southeast TP (age with 2 mm/kyr erosion rate).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Area** | **Site name** | **Group ID** | **Ages (n)** | **Bandwith** | **Gauss Age/ka** | **Uncertainty/(1-Sigma/ka)** | **Publication** |
| Nyainqentanglha Mountains | Bodui Zangbo River valley | GX-A | 4 | 0.5 | 187.6 | 110.3 | Zhou et al.(2007) |
| Nyainqentanglha Mountains | Bodui Zangbo River valley | BYG-B | 8 | 0.1 | 19.5 | 3.7 | Zhou et al.(2007) |
| Nyainqentanglha Mountains | Basongcuo | BSC-A | 3 | 0.09 | 18.9 | 2.5 | Hu et al. (2017) |
| Shaluli Mountains | B moraine | SMTB-B | 2 | 0.09 | 210.2 | 32.4 | Fu et al. (2013) |
| Shaluli Mountains | C moraine | SMTB-C | 2 | 0.09 | 134.4 | 21.0 | Fu et al. (2013) |
| Shaluli Mountains | D moraine | SMTB-D | 1 | 0.4 | 159.0 | 68.6 | Fu et al. (2013) |
| Shaluli Mountains | E moraine | SMTB-E | 2 | 0.09 | 169.8 | 25.9 | Fu et al. (2013) |
| Shaluli Mountains | H moraine | SMTB-H | 2 | 0.3 | 111.6 | 36.7 | Fu et al. (2013) |
| Shaluli Mountains | J moraine | SMTB-J | 3 | 0.04 | 16.1 | 1.2 | Fu et al. (2013) |
| Shaluli Mountains | M moraine | SMTB-M | 2 | 0.04 | 117.7 | 10.8 | Fu et al. (2013) |
| Shaluli Mountains | N moraine | SMTB-N | 2 | 0.08 | 21.4 | 2.6 | Fu et al. (2013) |
| Shaluli Mountains | P moraine | SMTB-P | 2 | 0.2 | 168.2 | 42.2 | Fu et al. (2013) |
| Shaluli Mountains | Q moraine | SMTB-Q | 3 | 0.2 | 255.5 | 78.5 | Fu et al. (2013) |
| Shaluli Mountains | Gemuxiang outer moraine | GMX-I | 6 | 0.5 | 25.1 | 14.1 | Chevalier and Replumaz (2019) |
| Shaluli Mountains | Cuopu c moraine | LIC-c | 7 | 0.3 | 196.1 | 80.1 | Chevalier et al. (2016) |
| Shaluli Mountains | Cuopu d moraine | LIC-d | 5 | 0.05 | 16.8 | 1.8 | Chevalier et al. (2016) |
| Shaluli Mountains | Cuopu e moraine | LIC-e | 2 | 0.01 | 16.7 | 1.8 | Chevalier et al. (2016) |
| Shaluli Mountains | Zhuqing | ZDG | 7 | 0.09 | 20.6 | 3.4 | Chevalier et al. (2018) |
| Shaluli Mountains | Ganzi | GZ | 10 | 0.4 | 23.0 | 18.3 | Chevalier et al. (2018) |
| Shaluli Mountains | Litang | Lit | 4 | 0.04 | 19.1 | 1.2 | Schäfer et al. (2002) |
| Daxue Mountain | Kangding | KAN | 4 | 0.04 | 16.3 | 1.4 | Strasky et al. (2009b) |
| Daxue Mountain | Selaha moraine | SLH | 8 | 0.07 | 21.1 | 2.4 | Bai et al. (2018) |
| Daxue Mountain | Yangjiagou moraine | YJG | 6 | 0.2 | 10.5 | 2.5 | Bai et al. (2018) |
| Shaluli Mountains | Xinlong Plateau | TSO-a | 3 | 0.03 | 21.3 | 1.6 | Graf et al. (2008) |
| Shaluli Mountains | Xinlong Plateau | TSO-b | 2 | 0.06 | 20.3 | 2.1 | Graf et al. (2008) |
| Gongga Mountain | Youngest moraine | GS-A | 7 | 0.7 | 1.1 | 0.8 | Owen et al. (2005) |
| Gongga Mountain | Outwash terrace | GS-B | 3 | 1.2 | 5.3 | 1.3 | Owen et al. (2005) |
| Gongga Mountain | Oldest moraine | GS-C | 4 | 0.5 | 11.5 | 0.8 | Owen et al. (2005) |
| Gongga Mountain | Gongga Valley | GM4 | 3 | 0.01 | 11.1 | 0.5 | Wang et al. (2022) |
| Gongga Mountain | Gongga Valley | GM5 | 8 | 0.06 | 16.4 | 2.3 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM1 | 9 | 0.03 | 15.8 | 1.5 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM2 | 5 | 0.03 | 20.0 | 1.6 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM3 | 9 | 0.3 | 22.2 | 9.5 | Wang et al. (2022) |
| Xuebaoding Mountain | Yanjin Valley | YJM1 | 23 | 2.1 | 5.9 | 2.8 | Liu et al. (2018) |
| Xuebaoding Mountain | Yanjin Valley | YJM2 | 4 | 0.4 | 13.0 | 0.8 | Liu et al. (2018) |
| Xuebaoding Mountain | Sancha Valley | SCM2 | 2 | 0.9 | 11.6 | 1.2 | Liu et al. (2018) |
| Xuebaoding Mountain | Sancha Valley | SCM3 | 5 | 1.1 | 12.8 | 2.1 | Liu et al. (2018) |
| Xuebaoding Mountain | Rijiu Valley | RJM1 | 2 | 0.2 | 1.5 | 0.2 | Liu et al. (2018) |
| Yulong Mountain | Ynakeyu village | YKY | 5 | 0.1 | 45.6 | 10.9 | Kong et al. (2009) |
| Taniantaweng Mountain | Juequ Valley | JM5 | 3 | 0.7 | 114.0 | 88.0 | This study |
| Taniantaweng Mountain | Juequ Valley | JM4 | 3 | 0.2 | 48.7 | 14.2 | This study |
| Taniantaweng Mountain | Juequ Valley | JM3 | 2 | 0.3 | 25.9 | 9.6 | This study |
| Taniantaweng Mountain | Juequ Valley | JM2 | 3 | 1.4 | 7.9 | 1.8 | This study |
| Taniantaweng Mountain | Qinggulong Valley | QM3 | 7 | 0.1 | 15.6 | 3.6 | This study |
| Taniantaweng Mountain | Qinggulong Valley | QM2 | 2 | 0.9 | 8.7 | 1.3 | This study |

**Table 4**

Recalculated 10Be ages of Quaternary moraines using P-CAAT in the referred study areas on the southeast TP (age with 3mm/kyr erosion rate).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Area** | **Site name** | **Group ID** | **Ages (n)** | **Bandwith** | **Gauss Age/ka** | **Uncertainty/(1-Sigma/ka)** | **Publication** |
| Nyainqentanglha Mountains | Bodui Zangbo River valley | GX-A | 4 | 0.6 | 240.5 | 165.0 | Zhou et al.(2007) |
| Nyainqentanglha Mountains | Bodui Zangbo River valley | BYG-B | 8 | 0.1 | 19.8 | 3.8 | Zhou et al.(2007) |
| Nyainqentanglha Mountains | Basongcuo | BSC-A | 3 | 0.09 | 19.2 | 2.6 | Hu et al. (2017) |
| Shaluli Mountains | B moraine | SMTB-B | 2 | 0.2 | 286.7 | 73.4 | Fu et al. (2013) |
| Shaluli Mountains | C moraine | SMTB-C | 2 | 0.1 | 162.8 | 32.5 | Fu et al. (2013) |
| Shaluli Mountains | D moraine | SMTB-D | 1 | 0.4 | 190.7 | 95.8 | Fu et al. (2013) |
| Shaluli Mountains | E moraine | SMTB-E | 3 | 0.09 | 198.9 | 35.0 | Fu et al. (2013) |
| Shaluli Mountains | H moraine | SMTB-H | 3 | 0.3 | 124.7 | 48.4 | Fu et al. (2013) |
| Shaluli Mountains | J moraine | SMTB-J | 3 | 0.04 | 16.3 | 1.3 | Fu et al. (2013) |
| Shaluli Mountains | M moraine | SMTB-M | 3 | 0.06 | 150.8 | 19.0 | Fu et al. (2013) |
| Shaluli Mountains | N moraine | SMTB-N | 2 | 0.07 | 21.8 | 2.7 | Fu et al. (2013) |
| Shaluli Mountains | P moraine | SMTB-P | 2 | 0.2 | 201.0 | 61.0 | Fu et al. (2013) |
| Shaluli Mountains | Q moraine | SMTB-Q | 3 | 0.4 | 378.3 | 273.6 | Fu et al. (2013) |
| Shaluli Mountains | Gemuxiang outer moraine | GMX-I | 6 | 0.5 | 25.0 | 14.7 | Chevalier and Replumaz (2019) |
| Shaluli Mountains | Cuopu c moraine | LIC-c | 9 | 0.4 | 140.2 | 106.0 | Chevalier et al. (2016) |
| Shaluli Mountains | Cuopu d moraine | LIC-d | 5 | 0.05 | 18.0 | 1.7 | Chevalier et al. (2016) |
| Shaluli Mountains | Cuopu e moraine | LIC-e | 2 | 0.01 | 17.0 | 0.9 | Chevalier et al. (2016) |
| Shaluli Mountains | Zhuqing | ZDG | 7 | 0.09 | 20.8 | 3.5 | Chevalier et al. (2018) |
| Shaluli Mountains | Ganzi | GZ | 10 | 0.5 | 22.7 | 18.4 | Chevalier et al. (2018) |
| Shaluli Mountains | Litang | Lit | 4 | 0.04 | 19.3 | 1.2 | Schäfer et al. (2002) |
| Daxue Mountain | Kangding | KAN | 4 | 0.04 | 16.5 | 1.4 | Strasky et al. (2009b) |
| Daxue Mountain | Selaha moraine | SLH | 8 | 0.07 | 20.4 | 2.5 | Bai et al. (2018) |
| Daxue Mountain | Yangjiagou moraine | YJG | 6 | 0.2 | 10.6 | 2.5 | Bai et al. (2018) |
| Shaluli Mountains | Xinlong Plateau | TSO-a | 3 | 0.03 | 21.7 | 1.6 | Graf et al. (2008) |
| Shaluli Mountains | Xinlong Plateau | TSO-b | 2 | 0.07 | 20.6 | 2.2 | Graf et al. (2008) |
| Gongga Mountain | Youngest moraine | GS-A | 7 | 0.7 | 1.1 | 0.8 | Owen et al. (2005) |
| Gongga Mountain | Outwash terrace | GS-B | 3 | 1.2 | 5.3 | 1.3 | Owen et al. (2005) |
| Gongga Mountain | Oldest moraine | GS-C | 4 | 0.5 | 11.5 | 0.8 | Owen et al. (2005) |
| Gongga Mountain | Gongga Valley | GM4 | 3 | 0.009 | 11.1 | 0.5 | Wang et al. (2022) |
| Gongga Mountain | Gongga Valley | GM5 | 8 | 0.06 | 16.7 | 2.3 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM1 | 11 | 0.03 | 16.1 | 1.7 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM2 | 5 | 0.03 | 20.3 | 1.6 | Wang et al. (2022) |
| Siguniang Mountain | Changping Valley | SM3 | 9 | 0.3 | 22.6 | 9.9 | Wang et al. (2022) |
| Xuebaoding Mountain | Yanjin Valley | YJM1 | 3 | 2.1 | 5.9 | 2.8 | Liu et al. (2018) |
| Xuebaoding Mountain | Yanjin Valley | YJM2 | 4 | 0.4 | 13.1 | 0.9 | Liu et al. (2018) |
| Xuebaoding Mountain | Sancha Valley | SCM2 | 2 | 0.9 | 11.6 | 1.2 | Liu et al. (2018) |
| Xuebaoding Mountain | Sancha Valley | SCM3 | 5 | 1.2 | 13.0 | 2.1 | Liu et al. (2018) |
| Xuebaoding Mountain | Rijiu Valley | RJM1 | 2 | 0.2 | 1.5 | 0.2 | Liu et al. (2018) |
| Yulong Mountain | Ynakeyu village | YKY | 4 | 0.1 | 62.7 | 13.2 | Kong et al. (2009) |
| Taniantaweng Mountain | Juequ Valley | JM5 | 3 | 0.7 | 129.9 | 107.6 | This study |
| Taniantaweng Mountain | Juequ Valley | JM4 | 3 | 0.2 | 51.3 | 15.4 | This study |
| Taniantaweng Mountain | Juequ Valley | JM3 | 2 | 0.3 | 26.4 | 10.0 | This study |
| Taniantaweng Mountain | Juequ Valley | JM2 | 3 | 1.4 | 7.8 | 1.9 | This study |
| Taniantaweng Mountain | Qinggulong Valley | QM3 | 7 | 0.1 | 15.8 | 3.7 | This study |
| Taniantaweng Mountain | Qinggulong Valley | QM2 | 2 | 0.9 | 8.8 | 1.3 | This study |