**Table 1**: Geographical location and age ranges of the studied samples.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sample | Geological unit | Location | Ref fig. 2 | Geographic coordinates (WGS84) | Age ranges (Wade et al., 2011) | Remarks |
| **Voirons flysch** |  |  |  |  |  |  |
| LMO052 | Voirons Sandstone Fm. | Bons quarry | A | E 6.391322 – N 46.255011 | E5 – E7b, E7a – E11, P4 |  |
| LMO015 | Voirons Sandstone Fm. | Monastery road | B | E 6.358315 – N 46.22799 | E5 – E6, E7b – E11 | Late Cretaceous forms |
| LMO042 | Voirons Sandstone Fm. | Morand bridge | C | E 6.371186 – N 46.164862 | P4 – P5, E5 – E7, E7b – E11 | Late Cretaceous forms |
| LMO060 | Vouan Conglomerate Fm. | Saxel upper quarry | D | E 6.396003 – N 46.252292 | E9 - E10 |  |
| LMO059 | Vouan Conglomerate Fm. | Saxel upper quarry | D | E 6.396003 – N 46.252292 | E7 – E10, E11 – E15 |  |
| LMO056 | Vouan Conglomerate Fm. | Saxel upper quarry | D | E 6.396003 – N 46.252292 | E5, E11 |  |
| LMO053 | Vouan Conglomerate Fm. | Saxel upper quarry | D | E 6.396003 – N 46.252292 | E5 – E7, E10 – E11 |  |
| GF269 | Vouan Conglomerate Fm. | Molière grind quarry | E | E 6.370147 – N 46.187306 | E5 – E7, E7 – E8 | Entirely reworked |
| LMO289 | Vouan Conglomerate Fm. | Vachat grind quarry | F | E 6.376809 – N 46.175282 | E5 – E7, E10 – E11 |  |
| GF347 | Vouan Conglomerate Fm. | Vachat grind quarry | F | E 6.376809 – N 46.175282 | E7b, E10 – E11 |  |
| LMO292 | Boëge Marl Fm. | Chauffemérande stream | G | E 6.389323 – N 46.169689 | E5 – E6, E11 | (Late) Cretaceous forms |
| LMO135 | Boëge Marl Fm. | Supersaxel road | H | E 6.403001 – N 46.243125 | E5 – E7, E11 |  |
| **Gurnigel flysch** |  |  |  |  |  |  |
| JR377 | Flysch 3 | Veveyse de Fégire | I | E 6.932667 – N 46.503267 | E7b |  |
| JR378 | Flysch 3 | Veveyse de Fégire | I | E 6.932667 – N 46.503267 | E7a – E8 |  |
| NPK317 | Flysch 4 | Veveyse de Châtel | J | E 6.944167 – N 46.526667 | E7b – E11 |  |