Electronic Appendix 4. Caledonian U–Pb magmatic ages, British and Irish Caledonides.

Age (Ma)	Rock type	Geological unit and/or geographical location		Ref.
400–415	Granite	Lochnagar granite	Northern Highlands (SCO)	9
400 ± 10	Granodiorite	Laggan granite	Northern Highlands (SCO)	9
c. 405	Granodiorite	Ben Cruachan granite	Northern Highlands (SCO)	9
405 ± 11	Granite	Vagastie Bridge granite	Strath Vagastie (SCO)	9
406 ± 6	Andesite / rhyolite	Glencoe Volcanic Complex	W Highlands (SCO)	23
412 ± 3	Granite	Malin Head Granite	Donegal Granite (IRL)	24
c. 417	Granodiorite	Cluanie granite	Northern Highlands (SCO)	9
c. 420	Granite	Helmsdale granite	Northern Highlands (SCO)	9
420 ± 6	Granite	Klibreck granite	Intrudes Moine Supergroup (SCO)	4
422 ± 2	Granite	Tullagh Point Granite	Donegal Granite (IRL)	24
425 ± 3	Granodiorite	Strontian granodiorite	W Highlands (SCO)	3
425 ± 3	Diorite	Ratagain intrusion	W Highlands (SCO)	3
426 ± 2	Granite	Strath Halladale Granite	East Sutherland (SCO)	14
426 ± 3	Appinite	Arrochar complex	W Highlands (SCO)	3
427 ± 1	Appinite / monzodiorite	Ballachulish Igneous Complex	W Highlands (SCO)	23
427.8 ± 1.9	Tonalite	Clunes Tonalite	Intrudes Moine Supergroup (SCO)	2
427 ± 3	Appinite	Rubha Mór appinite pipe	W Highlands (SCO)	3
429 ± 2	Appinite	Garabal Hill/Glen Fyne complex	W Highlands (SCO)	3
424 ± 8	Granite	Vagastie Bridge granite	Intrudes Moine Supergroup (SCO)	4
430 ± 4	Alkaline granitoids	Loch Borrolan complex	Moine Thrust Zone (SCO)	7
430 ± 4	Syenite	Loch Borrolan complex	Assynt (SCO)	19
426 ± 9	Syenite	Cnoc-nan-Cuilean syenite	Loch Loyal (SCO)	21
429 ± 11	Granite	Strathnaver granite	Intrudes Moine Supergroup (SCO)	4
439 ± 4	Syenite	Loch Ailsh intrusion	Assynt (SCO)	21
435 ± 10	Tonalite	Strontian granite	Northern Highlands (SCO)	9
439 ± 8.8	Hornblendite	Kiloran Bay intrusion	Colonsay (SCO)	8
457 ± 0.9	Granite	Kennethmont granite	Grampian terrane (SCO)	5
456 ± 5	Syenite	Glen Dessary Syenite	Inverness-shire (SCO)	20
462.5 ± 1.2	Granite	Oughterard granite	Connermara (IRL)	1
463 ± 4	Quartz diorite	Connemara Complex	Connemara (IRL)	12
467 ± 2	Granite pegmatite	Connemara Complex	Connemara (IRL)	13
467.9 ± 1.2	Quartz diorite gneiss	Connemara Complex	Connemara (IRL)	13
c. 470	Monzonite	Morven Cabrach intrusion, part of the Newer Gabbros	Scottish Highlands (SCO)	18
470 ± 1	Granite	Aberdeen granite	Grampian terrane (SCO)	6
470.1 ± 1.4	Gabbro	Cashel–Lough Wheelaun gabbro	Connemara (IRL)	1
466 ± 6	Granite	Connemara Complex	Connemara (IRL)	12
467.1 ± 5.9	Granite	Strichen granite	Grampian terrane (SCO)	5
467 ± 6	Tonalite	Ballygawley Tonalite	Slishwood Division (IRL)	15
474.5 ± 1	Gabbro	Currywongaun gabbro	Connemara (IRL)	1
468 ± 8	Gabbro	Newer gabbros	Grampians (SCO)	10
471 ± 5	Granite	Lough Keola Granite Sheet	Slishwood Division (IRL)	15
472 ± 6	Tonalite	Giant's Rock Tonalite	Slishwood Division (IRL)	15
474 ± 5	Granite	Ballygawley Granite	Slishwood Division (IRL)	15
470 ± 9	Syenogabbro	Insch gabbro, part of the Newer Gabbros	Scottish Highlands (SCO)	18
475 ± 5	Granite	Strichen granite	Northern Highlands (SCO)	9
474.6 ± 5.5	Meta-rhyolite	Delaney Dome Formation	Connemara (IRL)	16, 17
475 ± 7	Granite	Ardclach granite	Grampian Highlands (SCO)	22

Age (Ma)	Rock type	Geological unit and/or geographical location		Ref.
492 ± 3	Plagiogranite	Shetland Island oceanic fragment	Shetland (SCO)	11

Abbreviations: SCO=Scottish Caledonides; IRL=Irish Caledonides.
References: (1) Friedrich (1999), (2) Stewart *et al.* (2001), (3) Rogers & Dunning (1991), (4) Kinny *et al.* (2003), (5) Oliver *et al.* (2000), (6) Kneller & Aftalion (1987), (7) Aftalion (1979), (8) Muir *et al.* (1997), (9) Pidgeon & Aftalion (1978), (10) G. Rogers *et al.* (1994), (11) Spray & Dunning (1991), (12) Cliff *et al.* (1993), (13) Friedrich *et al.* (1999), (14) Kocks *et al.* (2006), (15) Flowerdew *et al.* (2005), (16) Draut & Clift (2002), (17) Friedrich (1998), (18) Dempster *et al.* (2002), (19) van Breemen *et al.* (1979a), (20) van Breemen *et al.* (1979b), (21) Halliday *et al.* (1987), (22) Zaleski (1983), (23) Fraser *et al.* (2004), (24) Kirkland *et al*. (2008b).