AS	code	Prob	strike	dip	rake
1		0.5	219	67	-2
1		0.5	310	87	-157
2		0.425	135	68	160
2		0.425	232	72	23
2		0.075	131	25	66
2		0.075	337	66	101
3		0.05	292	87	-177
3		0.05	202	87	-3
3		0.45	274	25	112
3		0.45	70	66	79
4	-2	0.8			
4	-3	0.2			
5	-4	1			
6		0.5	295	38	-77
6		0.5	100	52	-99
7	-4	1			
8	-4	1			
9	-2	1			
10	-2	1			
11	-1	0.1			
11	-2	0.9			
12		0.375	104	60	-150
12		0.375	359	64	-32
12	-3	0.25			
13	-4	1			
14	-4	1			
15		0.5	220	45	123
15		0.5	356	53	60
16	-1	0.15			
16	-2	0.85			
17		0.35	88	67	-172
17		0.35	355	83	-22
17	-1	0.3			
18		0.15	308	35	-90
18		0.15	129	54	-89
18	-2	0.7			
19shallow		0.25	309	44	-99
19shallow		0.25	142	46	-80
19shallow		0.175	155	84	-175
19shallow		0.175	64	85	-5
19shallow	-3	0.15			
19deep		0.5	278	34	84
19deep		0.5	105	55	93
20shallow		0.5	299	36	87
20shallow		0.5	122	53	91
20deep		0.5	9	38	26
20deep		0.5	259	73	125
21		0.5	90	33	66
21		0.5	297	59	104
22	-4	1			
23	-2	1			
24		0.5	321	37	-86
24		0.5	136	52	-92
25shallow	-2	0.15			
25shallow	-1	0.85			
25deep	-2	0.75			
25deep	-3	0.25			
26		0.2	112	38	61
26		0.2	327	56	110
26	-2	0.6			
27	-4	1			
28	-4	1			
29	-2	0.2			
29		0.4	191	44	64
29		0.4	44	50	112
30		0.1	267	71	-9
30		0.1	0	80	-161
30		0.4	286	44	92
30		0.4	102	45	87
31	-4	1			
32	-1	1			
33		0.5	135	40	-80
33		0.5	302	50	-98
34		0.5	176	73	0
34		0.5	86	89	163

AS	code	Prob	strike	dip	rake
35		0.25	168	31	-55
35		0.25	309	64	-108
35	-2	0.5			
36		0.5	184	73	10
36		0.5	90	79	162
37	-4	1			
38	-4	1			
39		0.5	358	39	-113
39		0.5	208	54	-71
40	-1	0.15			
40	-2	0.85			
41		0.5	278	59	171
41		0.5	12	82	31
42	-3	1			
43		0.275	24	45	41
43		0.275	262	61	127
43		0.225	72	38	90
43		0.225	252	51	89
44	-2	1			
45		0.125	100	36	-93
45		0.125	285	53	-87
45	-2	0.75			
46		0.5	270	50	34
46		0.5	157	65	135
47		0.4	189	70	-5
47		0.4	281	85	-160
47	-3	0.2			
48		0.45	190	80	4
48		0.45	99	85	169
48	-3	0.1			
49		0.5	317	62	161
49		0.5	56	73	29
50	-1	0.5			
50		0.15	253	11	-29
50		0.15	11	84	-99
50	-3	0.2			

Supplement 2. "*AS*" = area source identification number; "*code*" = a code used to recall the style of faulting for AS where the summation procedure (Pondrelli et al., 2020) cannot be applied: -1 is for using normal style of faulting, -2 is for strike-slip, -3 for reverse, and -4 is for using all the three styles of faulting. "*Prob*" = probability of that style of faulting, note that some AS can have multiples styles of faulting (summation of Prob in each AS is 1). "*strike, dip, rake*" = parameters of the focal mechanisms obtained applying the summation procedure of Pondrelli et al. (2020).

Values of strike, dip rake and probability (probability has to multiplied by Prob, as given in the table above) used with codes -1 are:
0,60,-90,0.25
90,60,-90,0.25
180,60,-90,0.25
270,60,-90,0.25

Values of strike, dip rake and probability (probability has to multiplied by Prob, as given in the table above) used with codes -2 are:
0,90,0,0.5
90,90,0,0.5

Values of strike, dip rake and probability (probability has to multiplied by Prob, as given in the table above) used with codes -3 are:
0,30,90,0.25
90,30,90,0.25
180,30,90,0.25
270,30,90,0.25

Values of strike, dip rake and probability (probability has to multiplied by Prob, as given in the table above) used with codes -4 are:
0,90,0,0.1
90,90,0,0.1
0,60,-90,0.1
90,60,-90,0.1
180,60,-90,0.1
270,60,-90,0.1
0,30,90,0.1
90,30,90,0.1
180,30,90,0.1
270,30,90,0.1