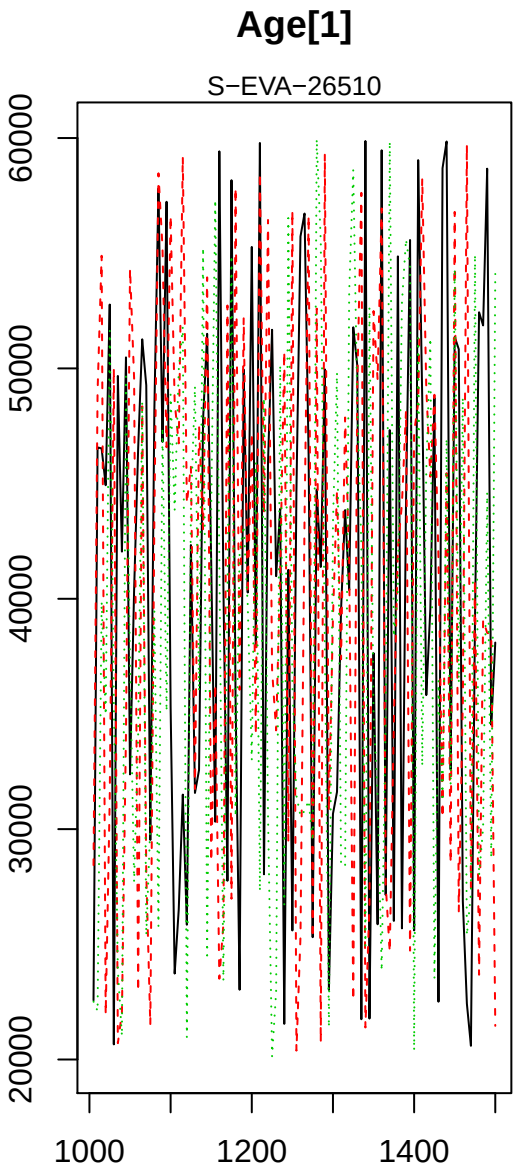
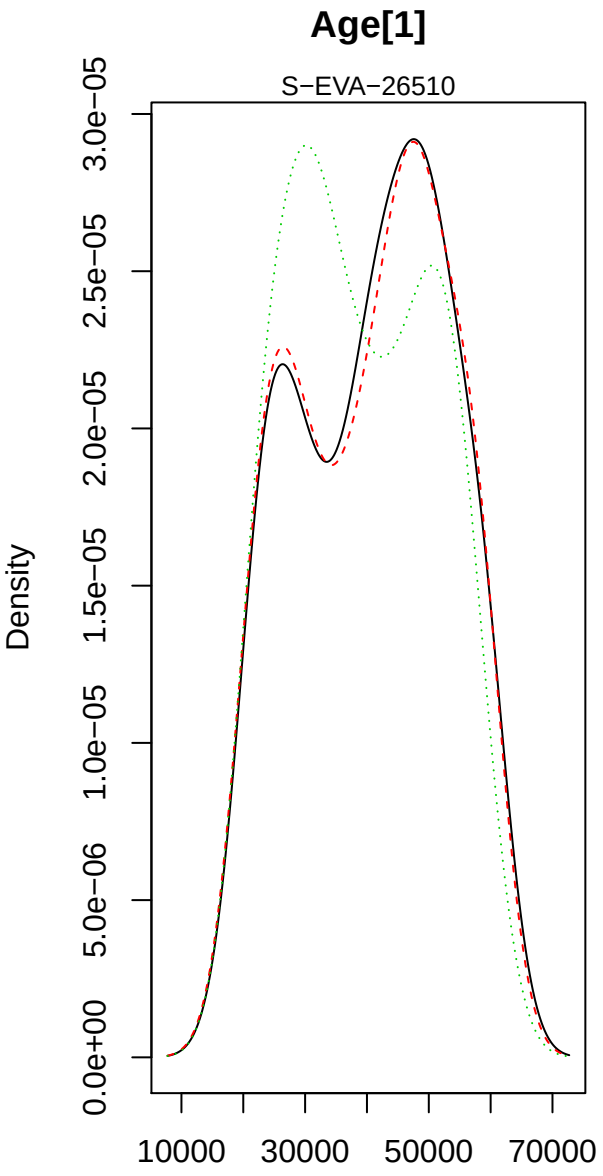
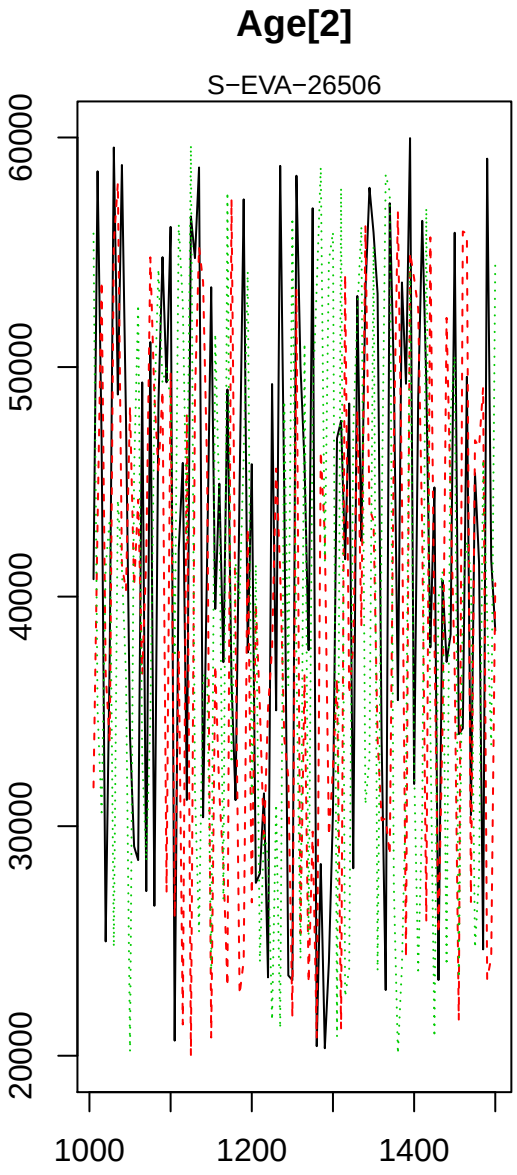
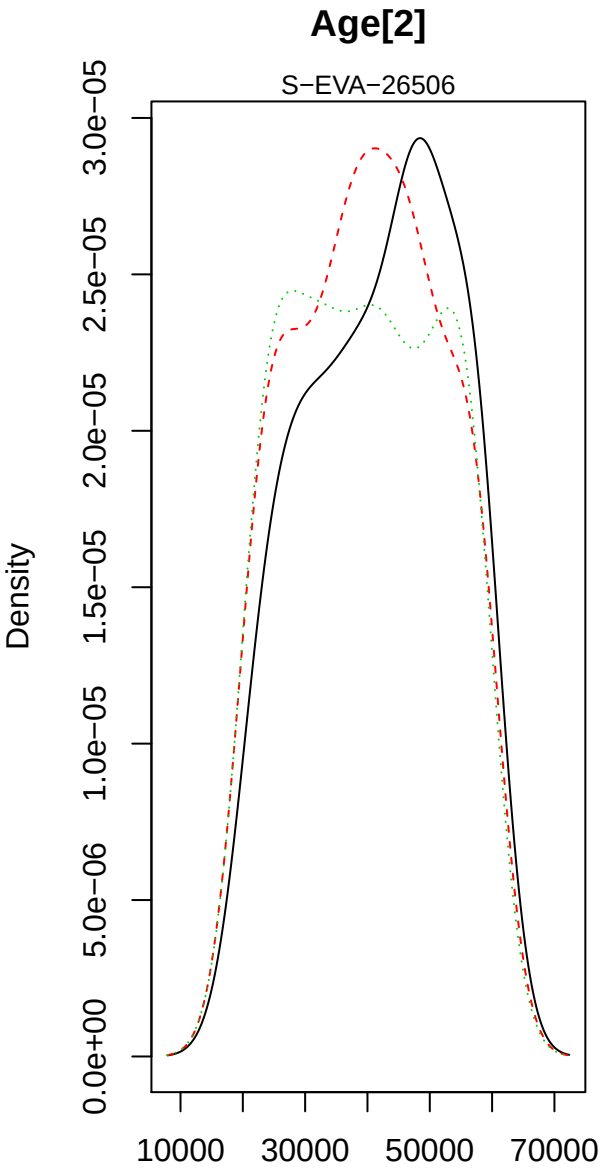


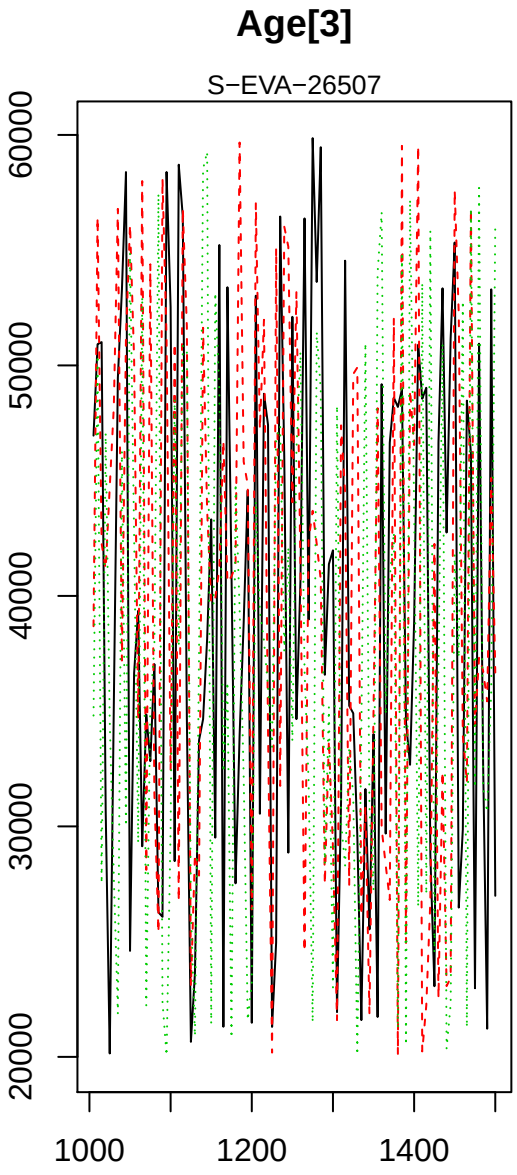


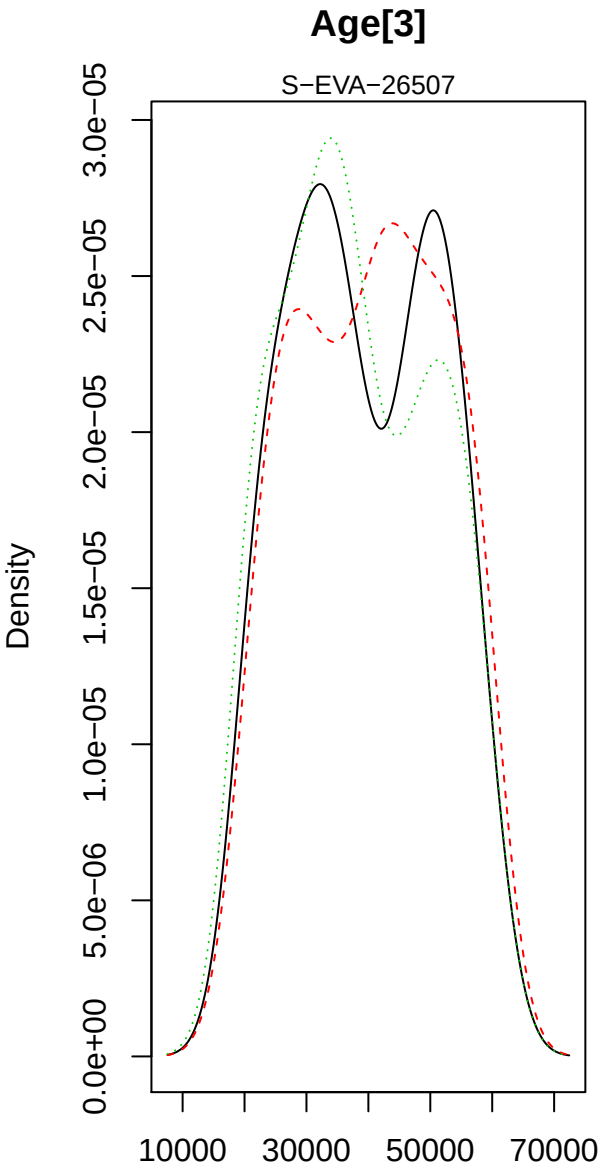
help("AgeC14_Computation")



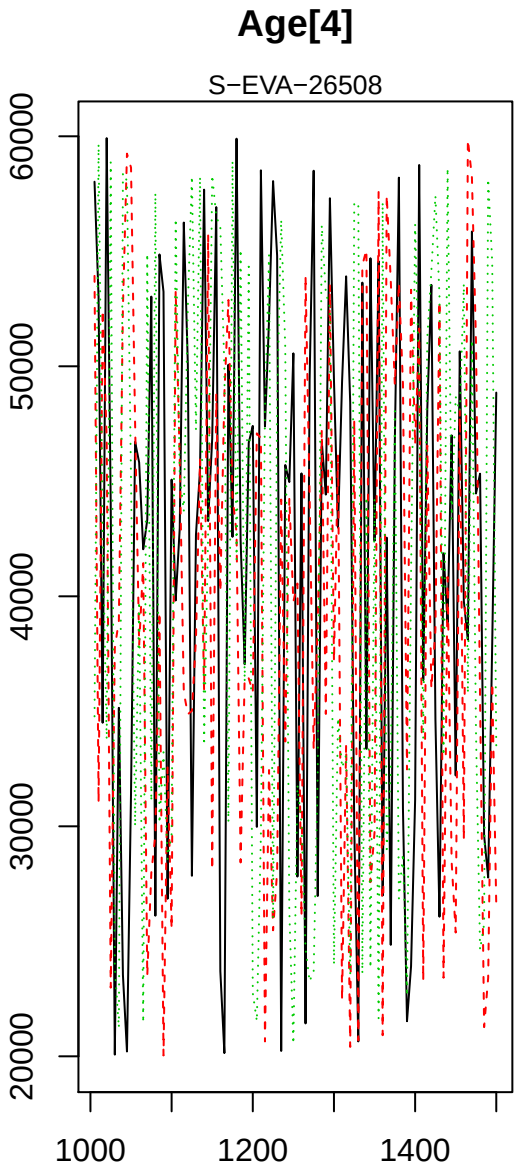


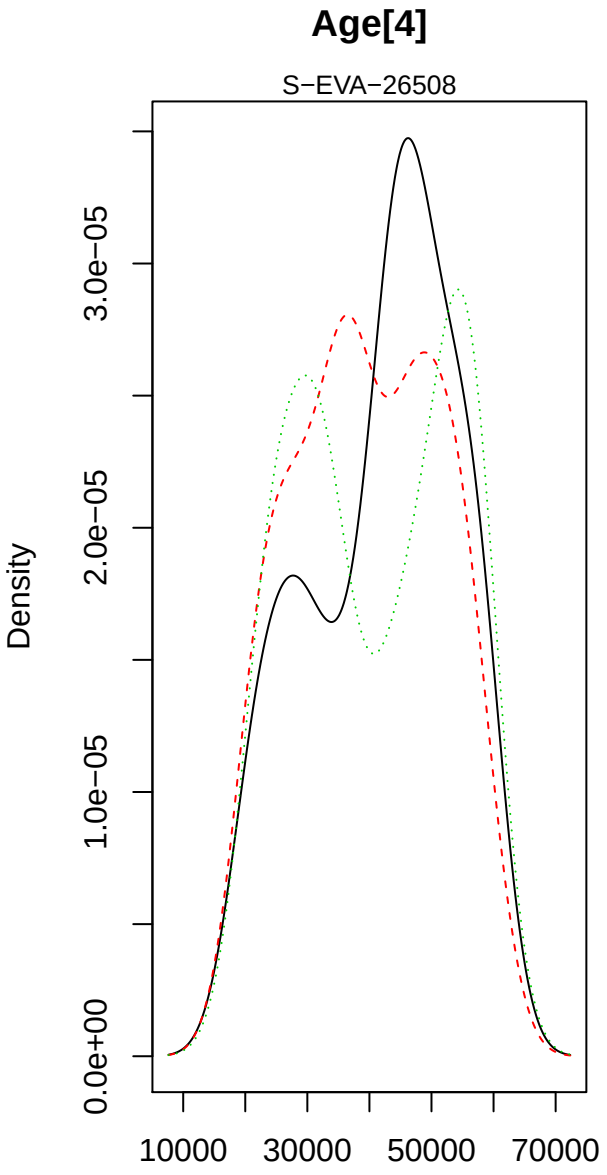
help("AgeC14_Computation")

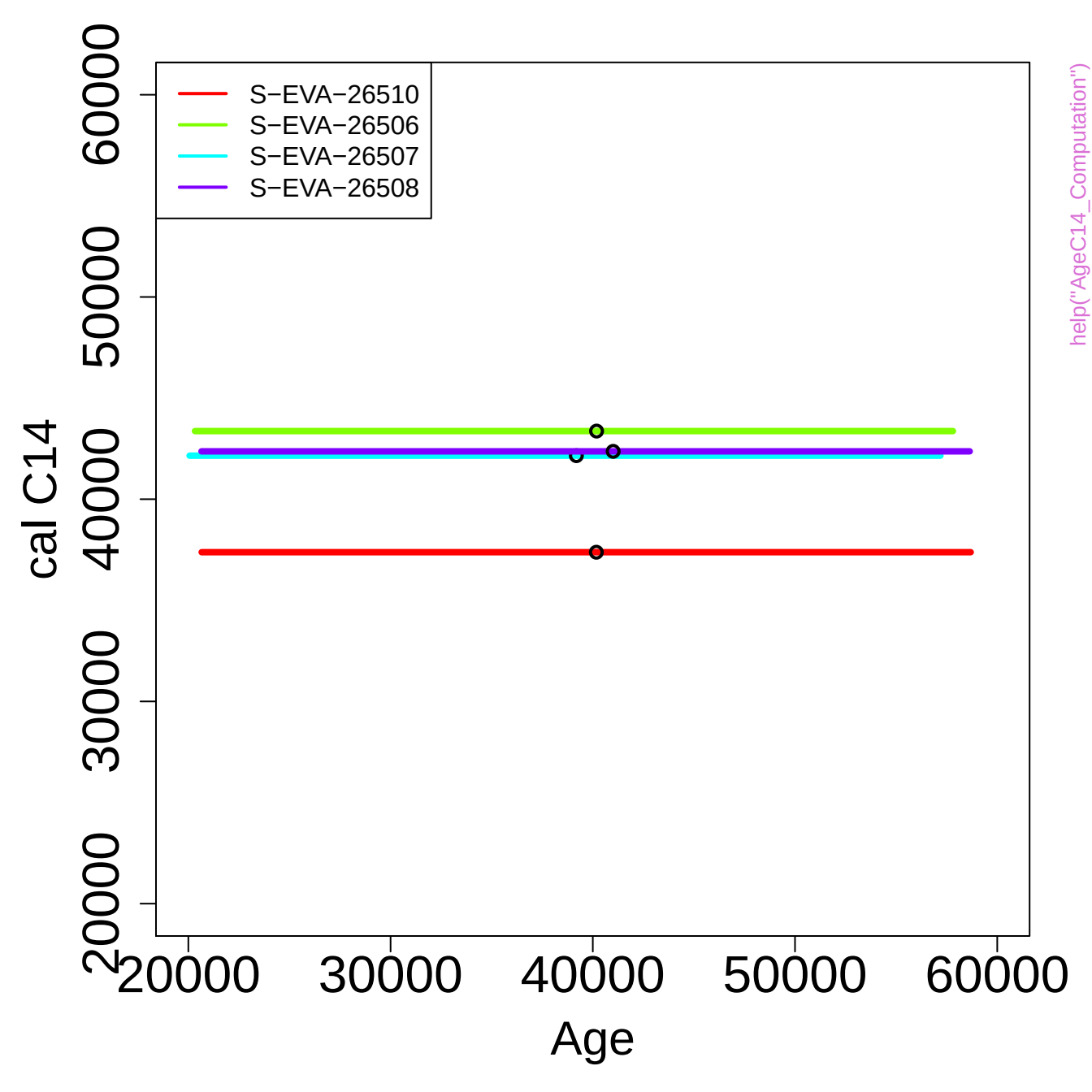


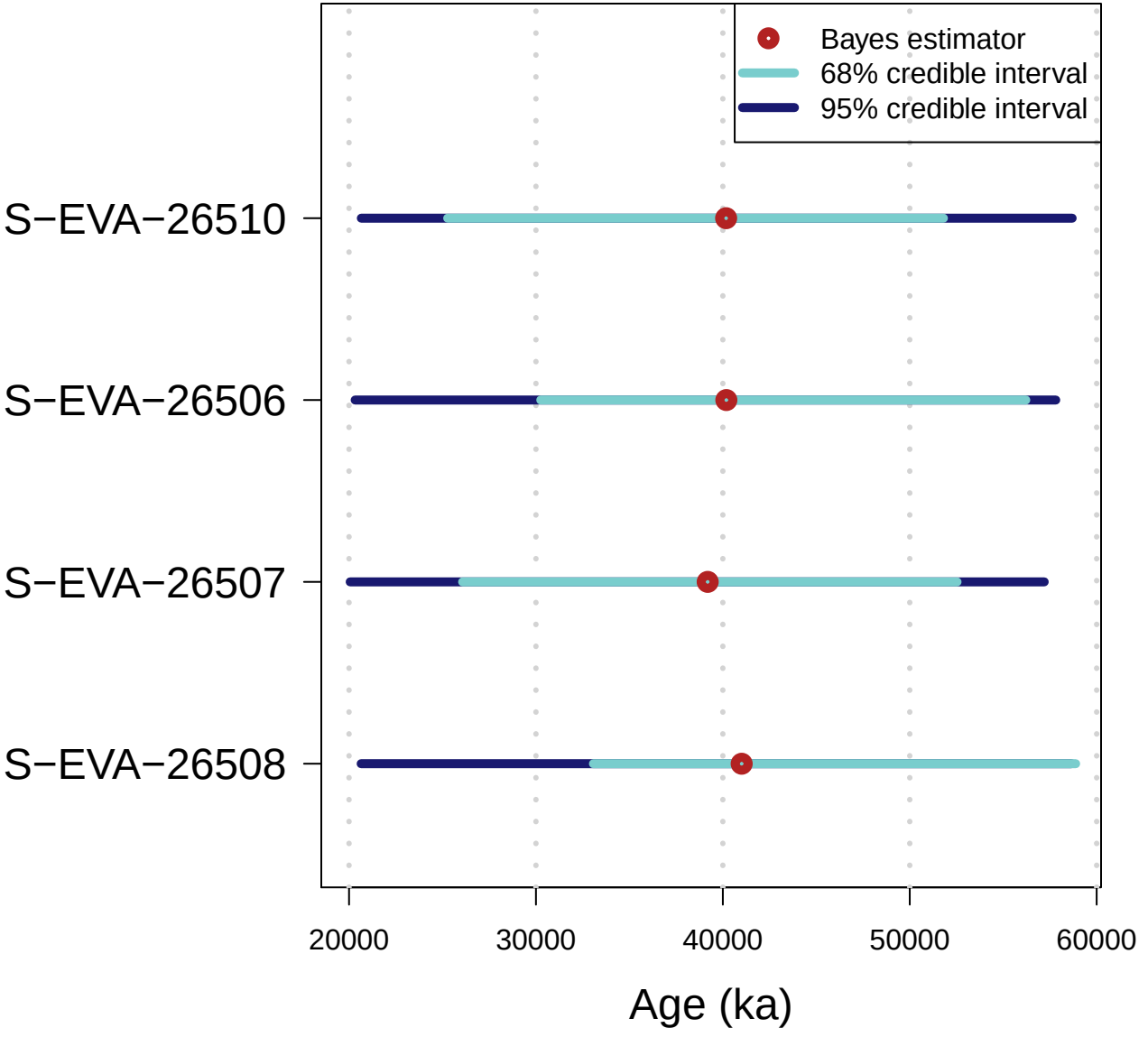


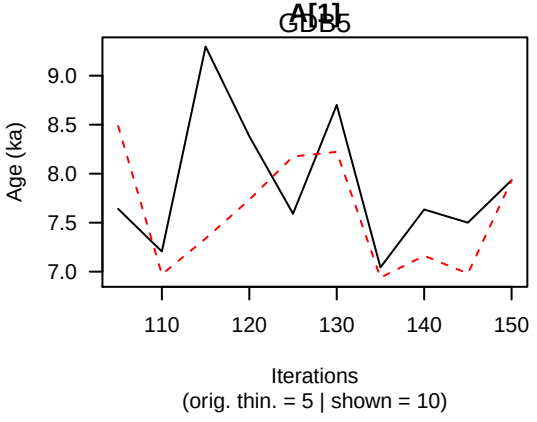
help("AgeC14_Computation")

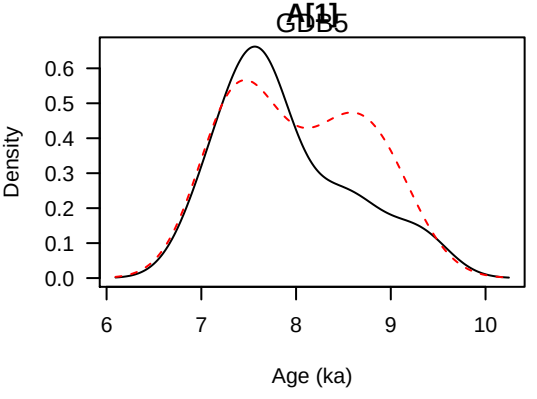

Age[4]
S−EVA−26508
60000
50000
40000
30000
20000
1000
1200
1400
Iterations
(orig. thin. = 5 | shown = 100)

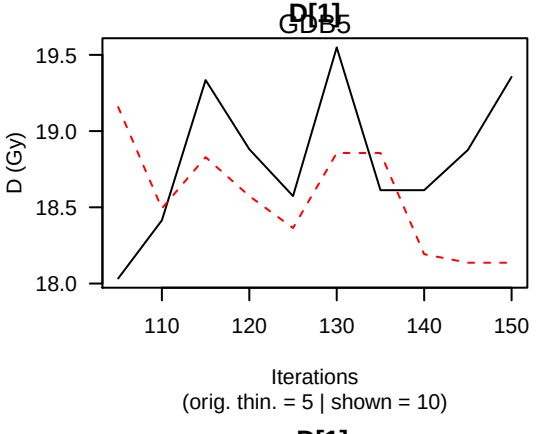

Age[4]
S−EVA−26508
Density
3.0e−05
2.0e−05
1.0e−05
0.0e+00
10000
30000
50000
70000
help("AgeC14_Computation")

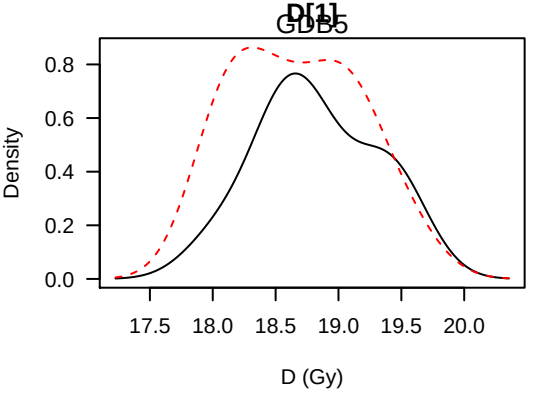

S−EVA−26510
S−EVA−26506
S−EVA−26507
S−EVA−26508
cal C14
20000
30000
40000
50000
60000
Age
help("AgeC14_Computation")

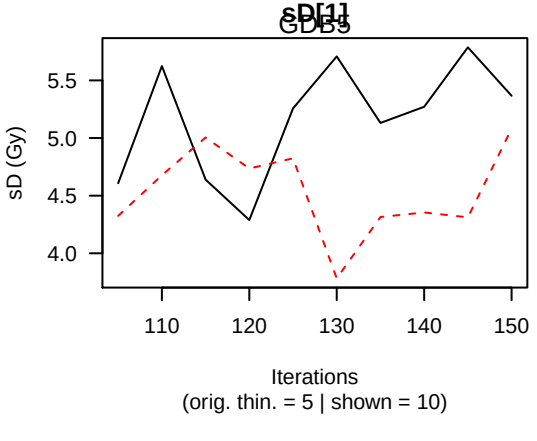

Bayes estimator
68% credible interval
95% credible interval
S−EVA−26510
S−EVA−26506
S−EVA−26507
S−EVA−26508
20000
30000
40000
50000
60000
Age (ka)

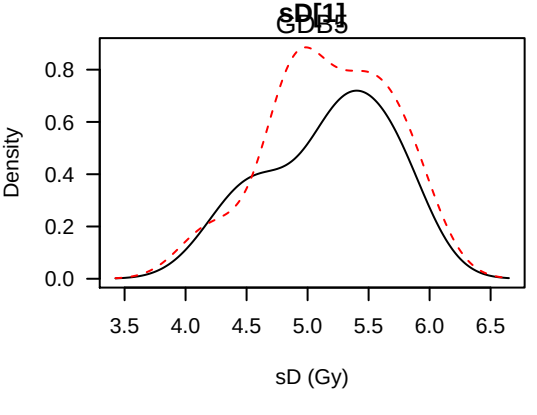

A[1]
GDB5
Age (ka)
9.0
8.5
8.0
7.5
7.0
110
120
130
140
150
Iterations
(orig. thin. = 5 | shown = 10)

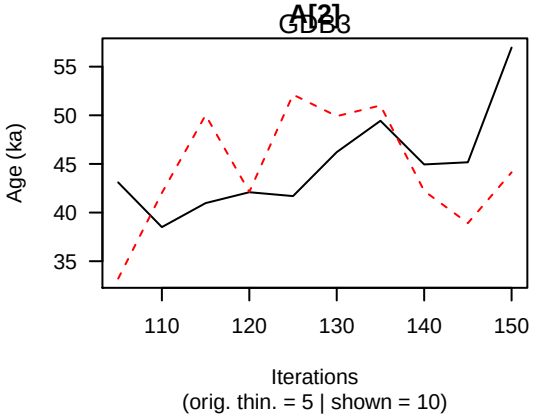

A[1]
GDB5
Density
0.6
0.5
0.4
0.3
0.2
0.1
0.0
6
7
8
9
10
Age (ka)

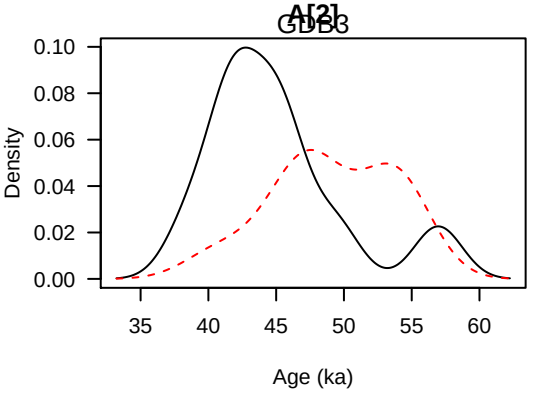

D[1]
GDB5
D (Gy)
19.5
19.0
18.5
18.0
110
120
130
140
150
Iterations
(orig. thin. = 5 | shown = 10)

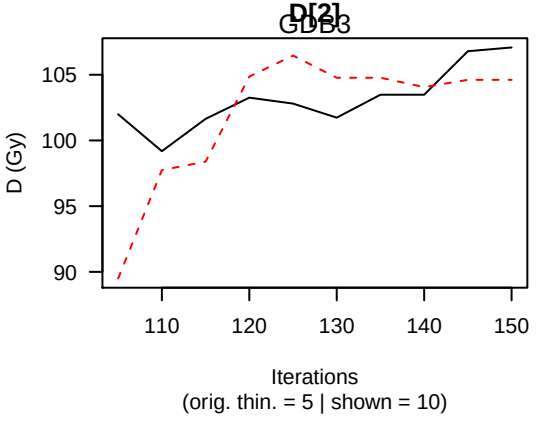

D[1]
GDB5
Density
0.8
0.6
0.4
0.2
0.0
17.5
18.0
18.5
19.0
19.5
20.0
D (Gy)

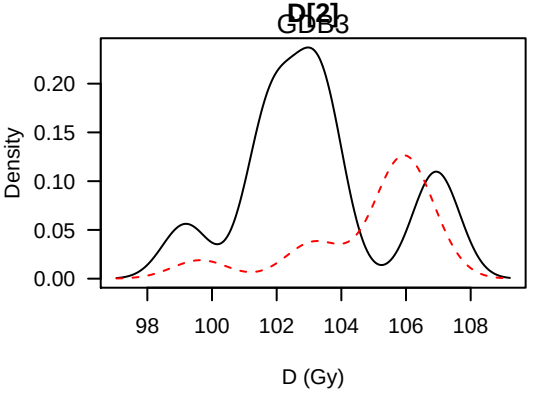

sD[1]
GDB5
sD (Gy)
5.5
5.0
4.5
4.0
110
120
130
140
150
Iterations
(orig. thin. = 5 | shown = 10)

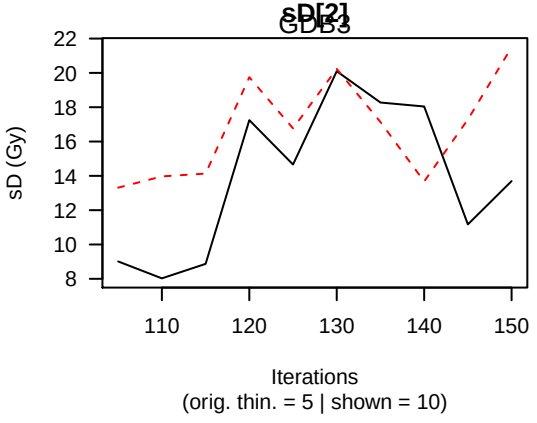

sD[1]
GDB5
Density
0.8
0.6
0.4
0.2
0.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
sD (Gy)

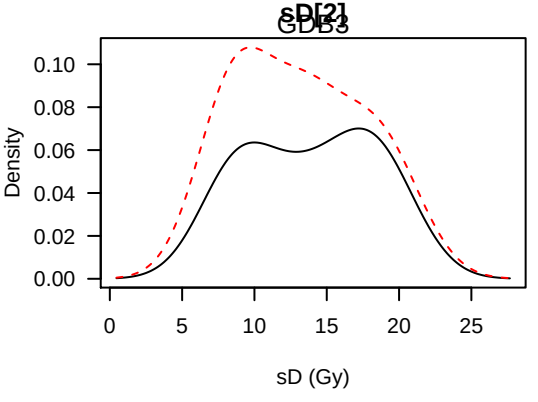

A[2]
GDB3
Age (ka)
55
50
45
40
35
110
120
130
140
150
Iterations
(orig. thin. = 5 | shown = 10)

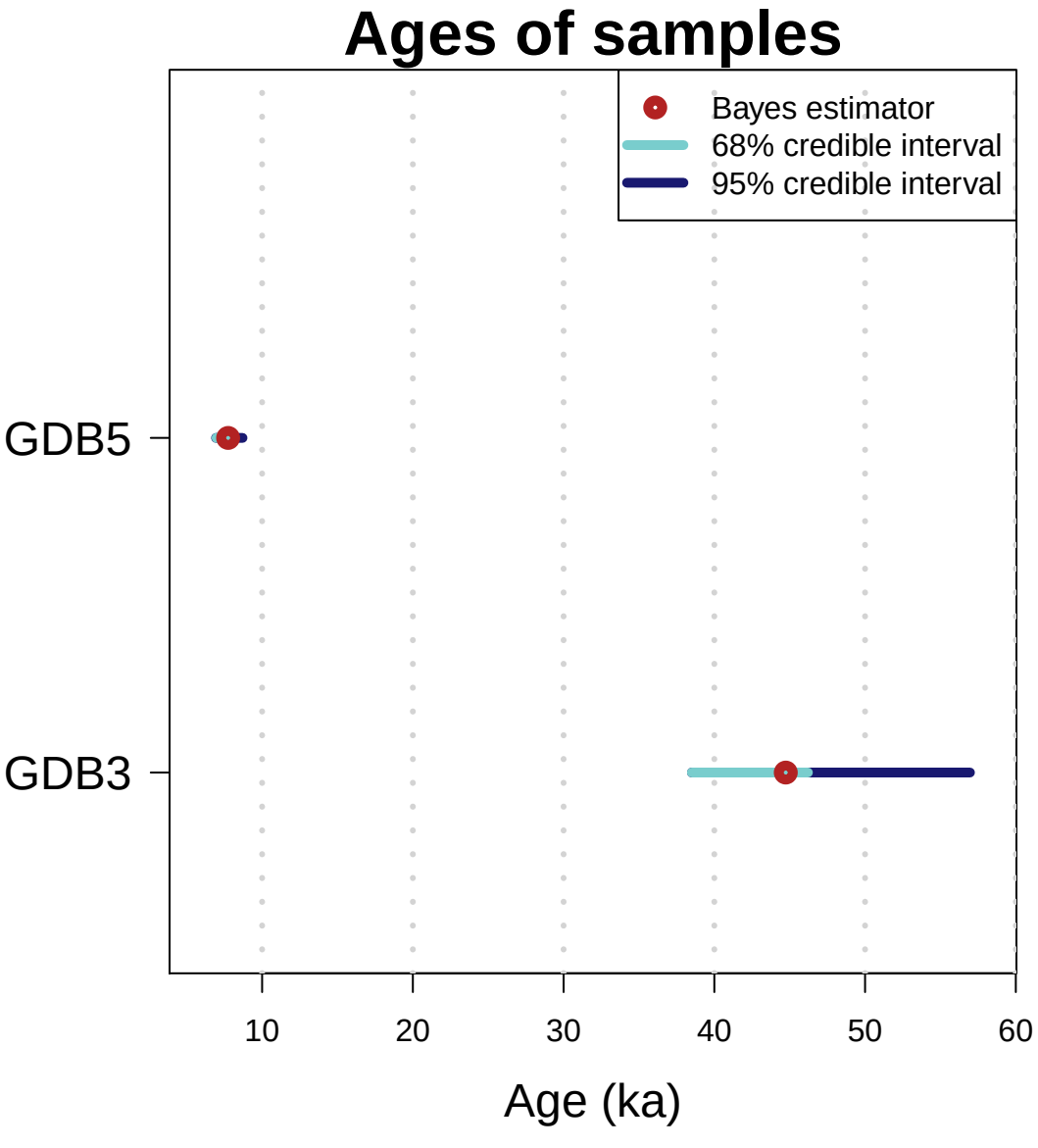

A[2]
GDB3
Density
0.10
0.08
0.06
0.04
0.02
0.00
35
40
45
50
55
60
Age (ka)

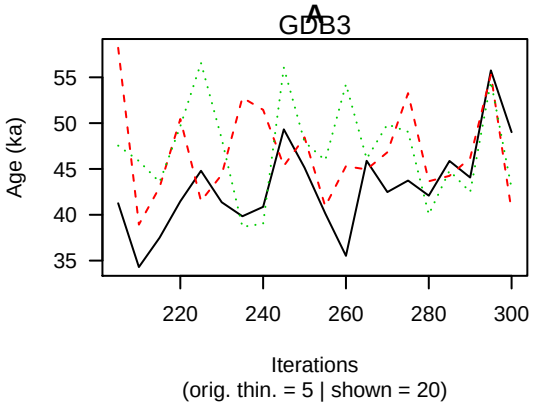

D[2]
GDB3
D (Gy)
105
100
95
90
110
120
130
140
150
Iterations
(orig. thin. = 5 | shown = 10)

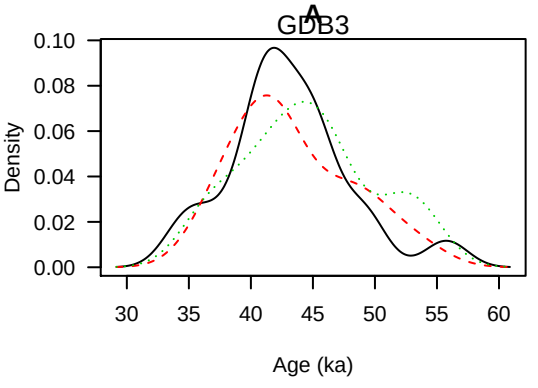

D[2]
GDB3
Density
0.20
0.15
0.10
0.05
0.00
98
100
102
104
106
108
D (Gy)

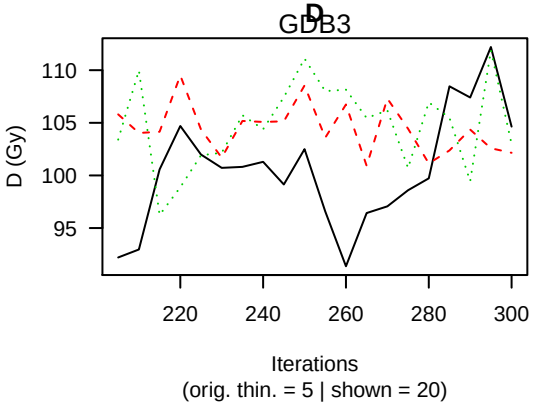

sD[2]
GDB3
sD (Gy)
22
20
18
16
14
12
10
8
110
120
130
140
150
Iterations
(orig. thin. = 5 | shown = 10)

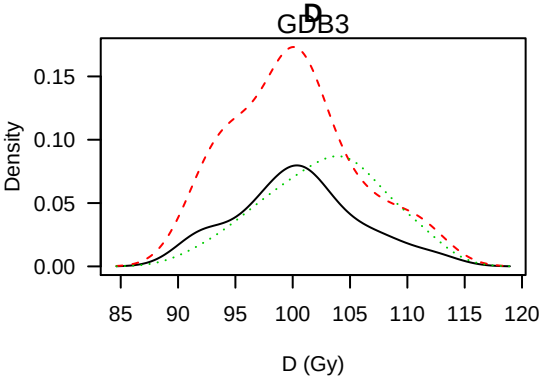

sD[2]
GDB3
Density
0.10
0.08
0.06
0.04
0.02
0.00
0
5
10
15
20
25
sD (Gy)

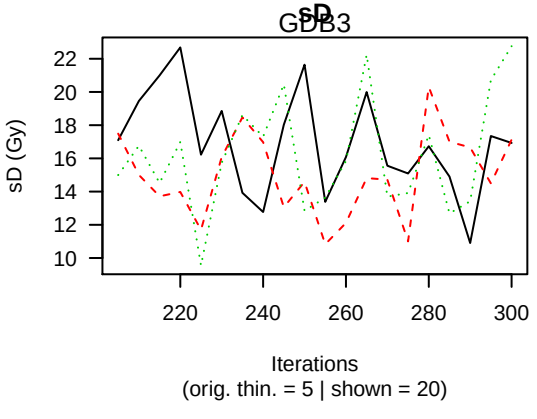

Ages of samples
Bayes estimator
68% credible interval
95% credible interval
GDB5
GDB3
10
20
30
40
50
60
Age (ka)

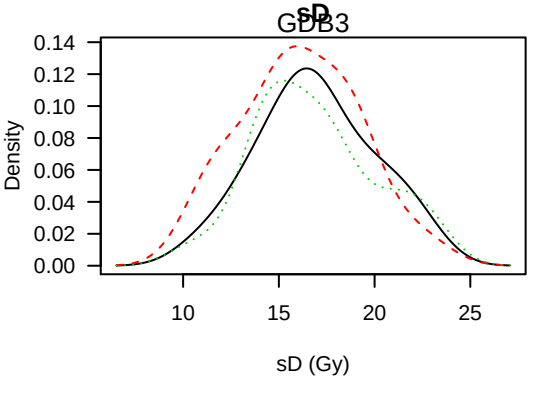

A
GDB3
Age (ka)
55
50
45
40
35
220
240
260
280
300
Iterations
(orig. thin. = 5 | shown = 20)

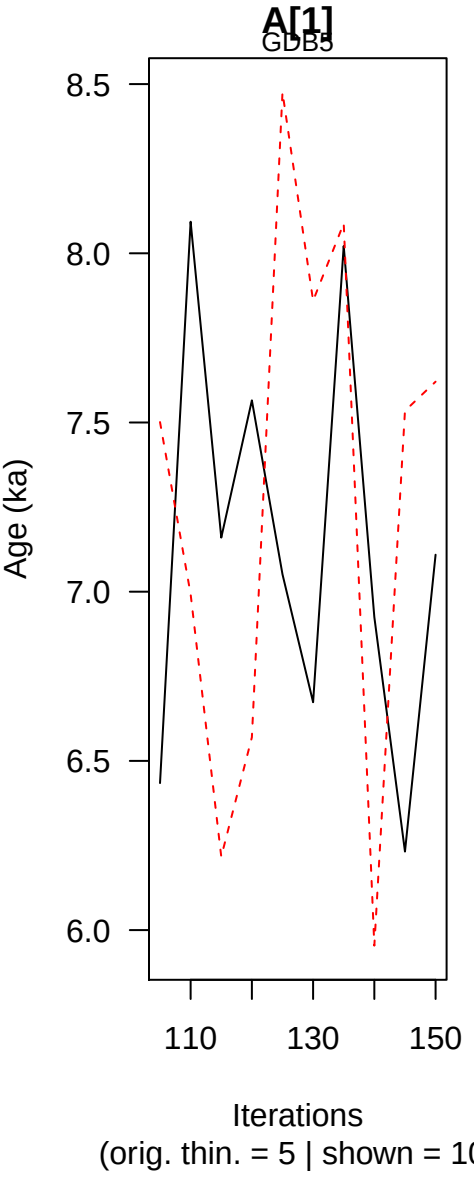

A
GDB3
Density
0.10
0.08
0.06
0.04
0.02
0.00
30
35
40
45
50
55
60
Age (ka)

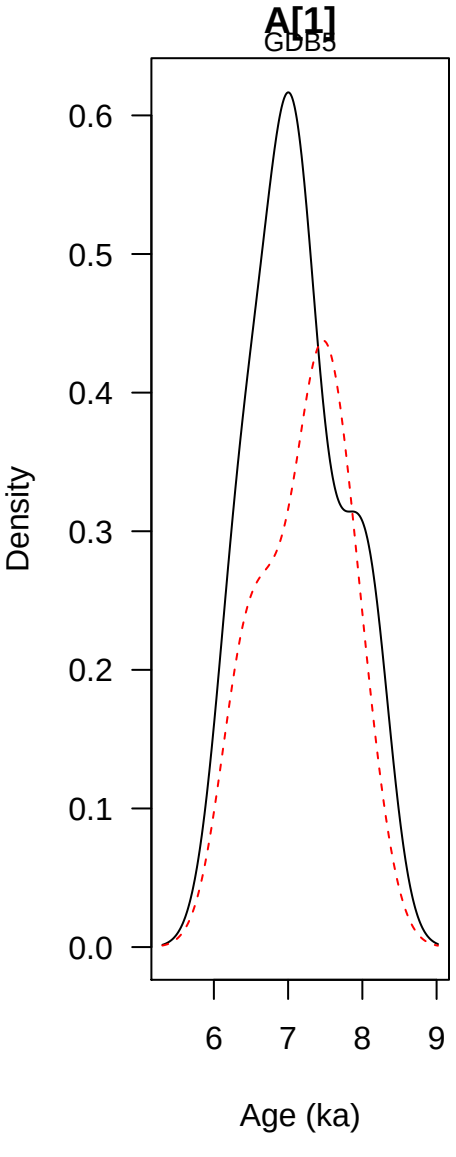

D
GDB3
D (Gy)
110
105
100
95
220
240
260
280
300
Iterations
(orig. thin. = 5 | shown = 20)

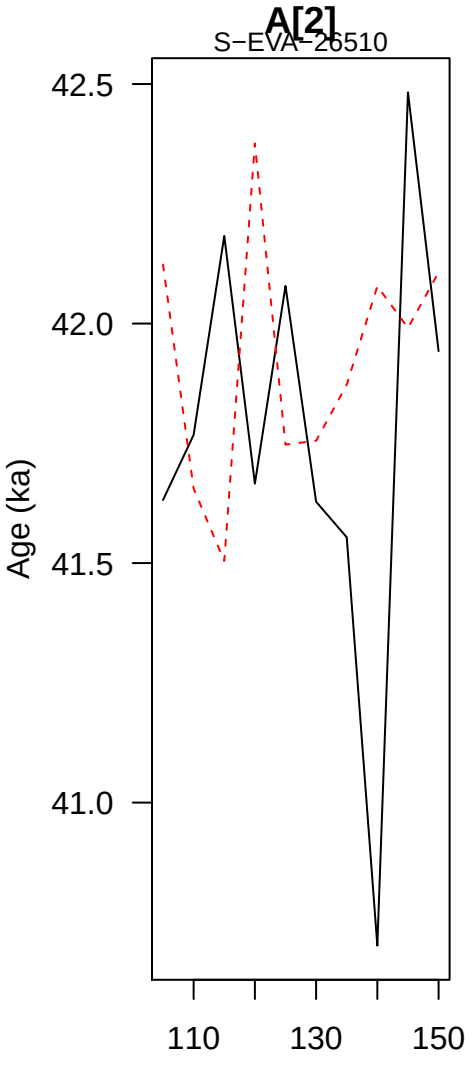

D
GDB3
Density
0.15
0.10
0.05
0.00
85
90
95
100
105
110
115
120
D (Gy)

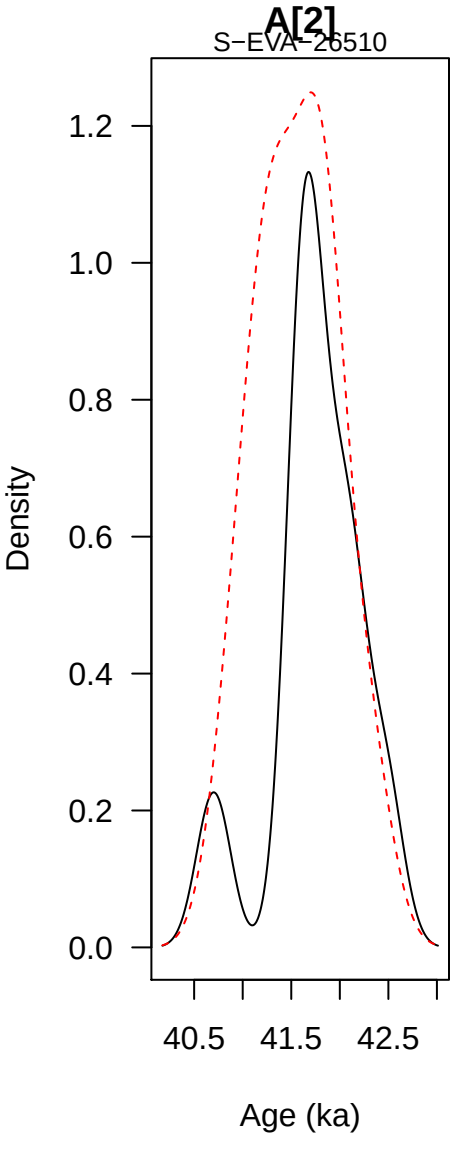

sD
GDB3
sD (Gy)
22
20
18
16
14
12
10
220
240
260
280
300
Iterations
(orig. thin. = 5 | shown = 20)

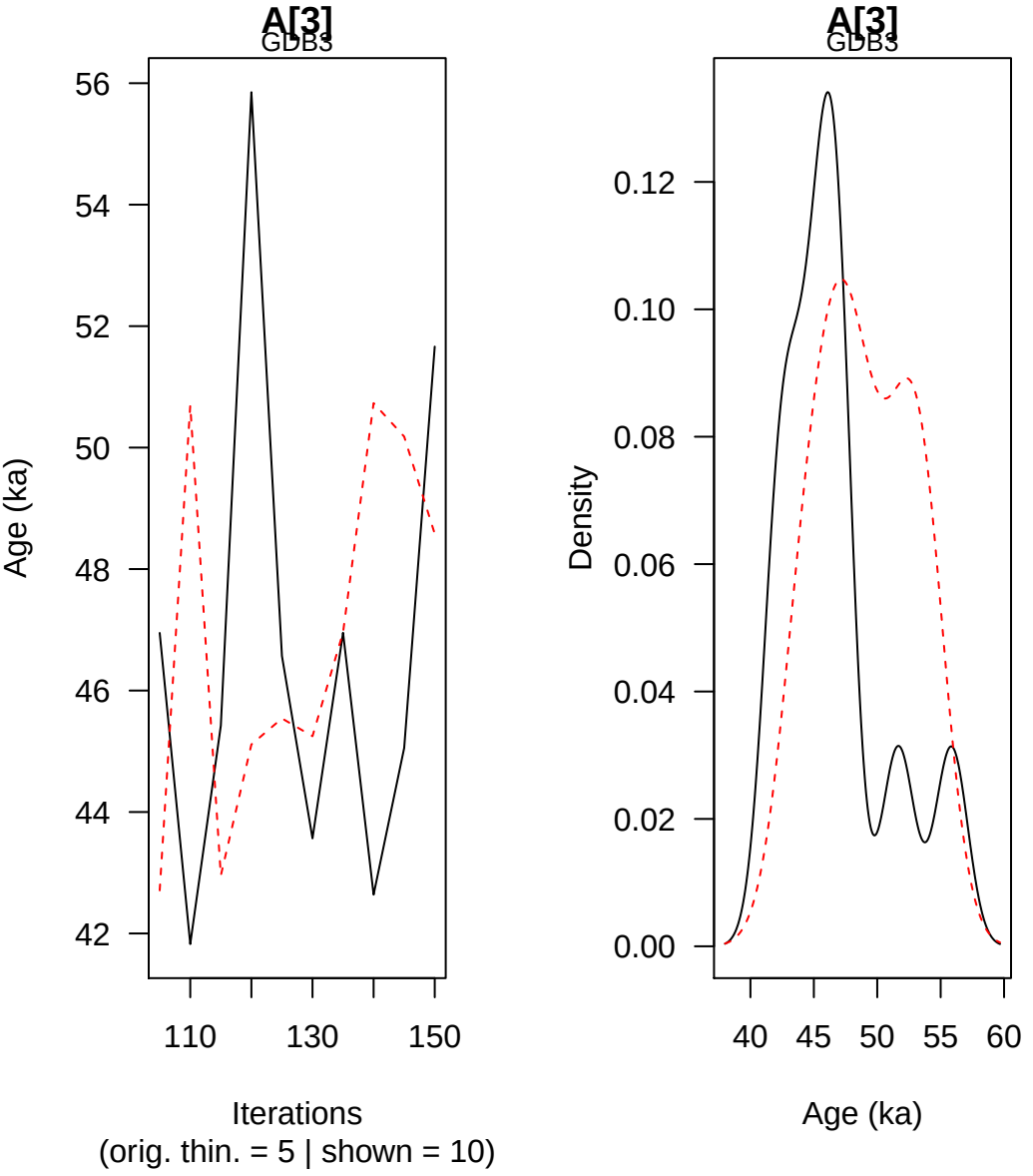

sD
GDB3
Density
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
10
15
20
25
sD (Gy)

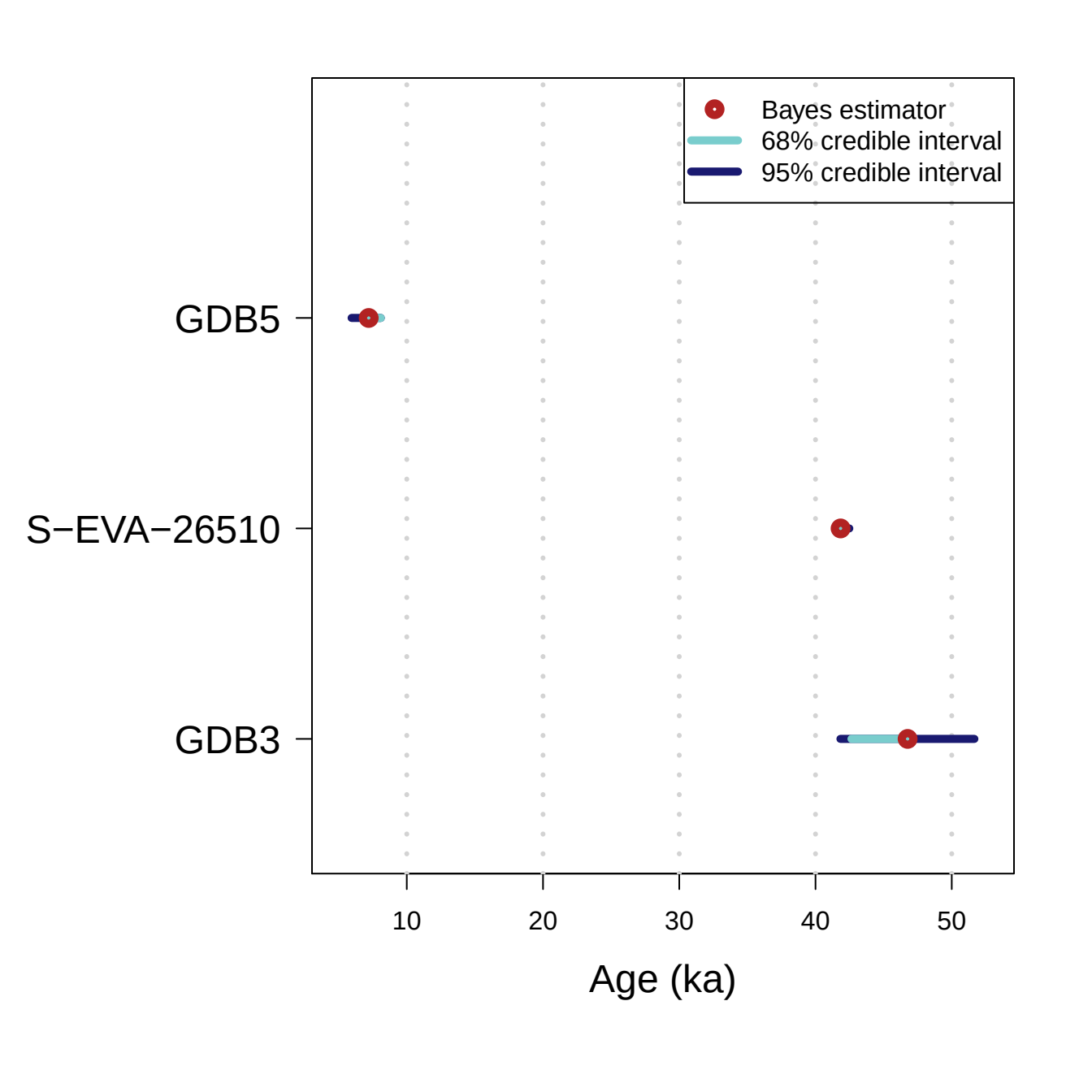

A[1]
GDB5
Age (ka)
8.5
8.0
7.5
7.0
6.5
6.0
110
130
150
Iterations
(orig. thin. = 5 | shown = 10)

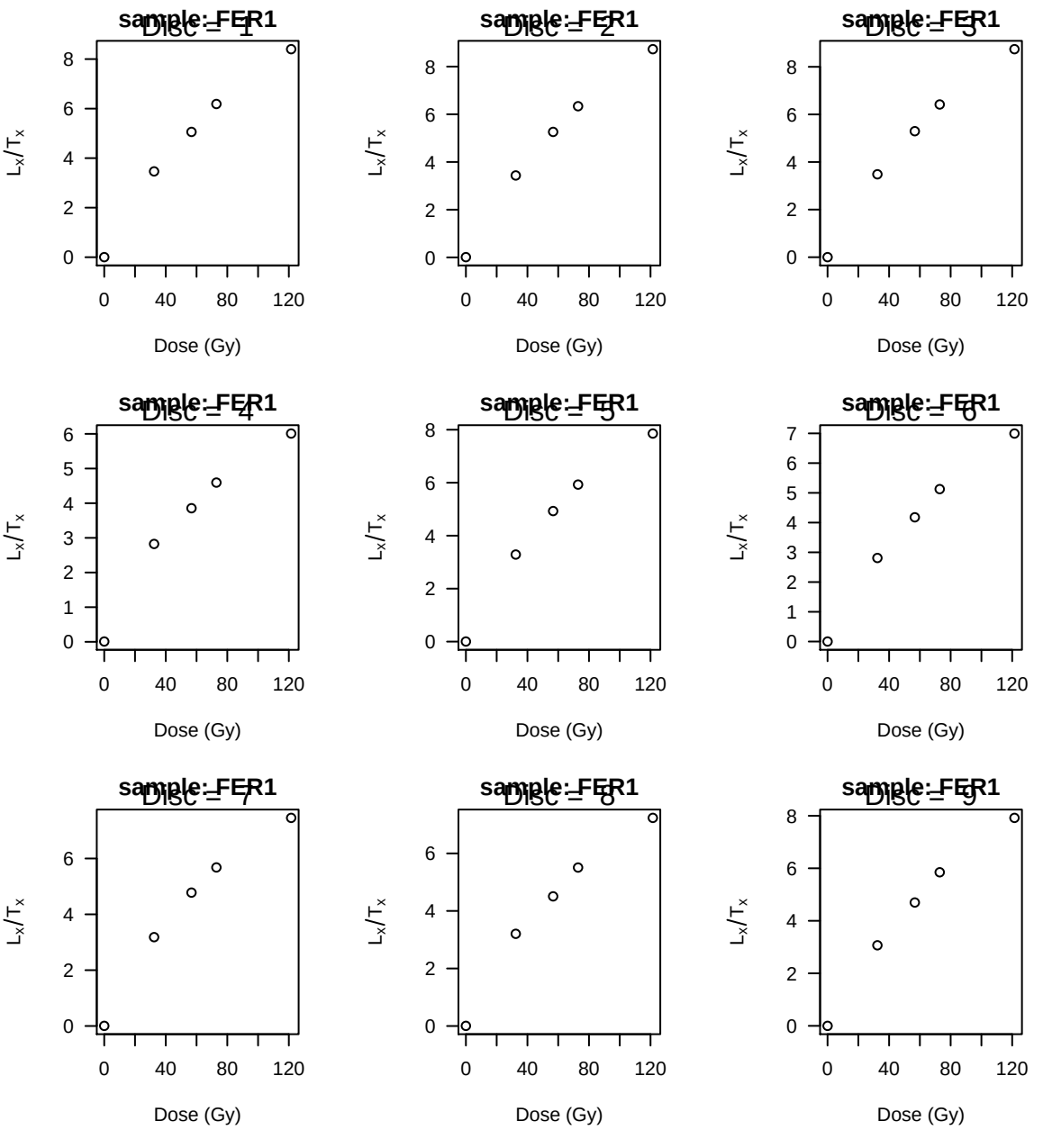

A[1]
GDB5
Density
0.6
0.5
0.4
0.3
0.2
0.1
0.0
6
7
8
9
Age (ka)

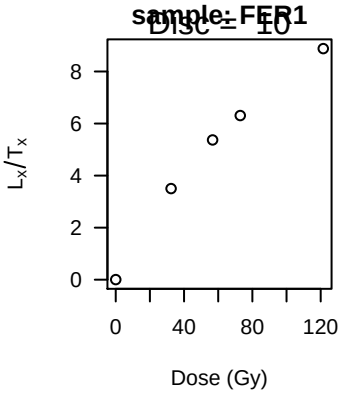

A[2]
S−EVA−26510
42.5
42.0
41.5
41.0
Age (ka)
110
130
150
Iterations
(orig. thin. = 5 | shown = 10)

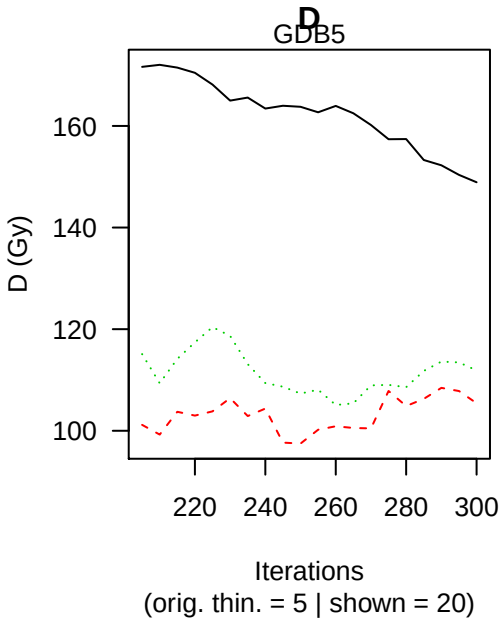

A[2]
S−EVA−26510
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Density
40.5
41.5
42.5
Age (ka)

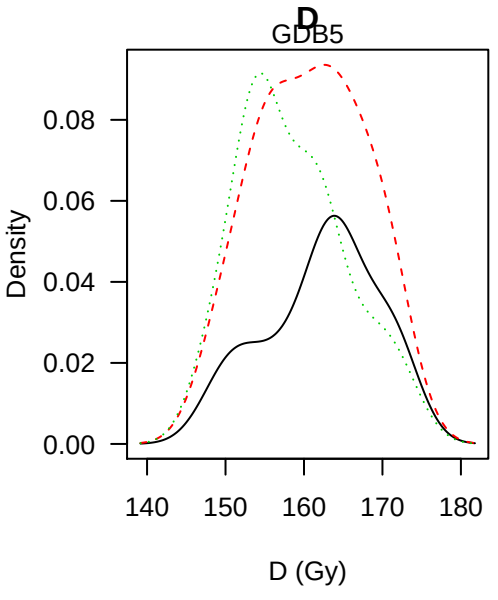

A[3]
GDB3
Age (ka)
56
54
52
50
48
46
44
42
110
130
150
Iterations
(orig. thin. = 5 | shown = 10)
A[3]
GDB3
Density
0.12
0.10
0.08
0.06
0.04
0.02
0.00
40
45
50
55
60
Age (ka)

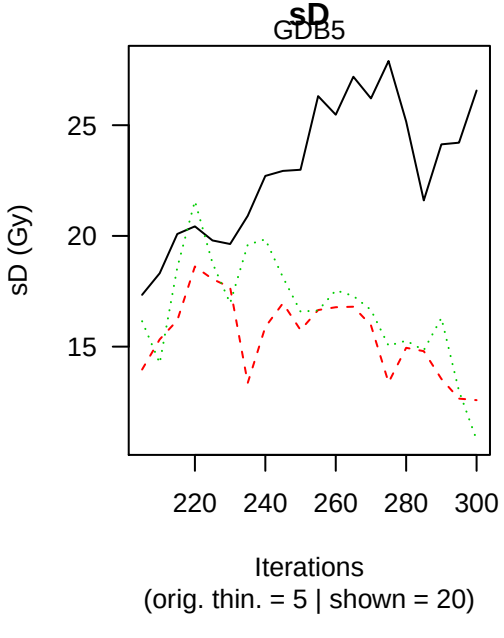

Bayes estimator
68% credible interval
95% credible interval
GDB5
S−EVA−26510
GDB3
10
20
30
40
50
Age (ka)

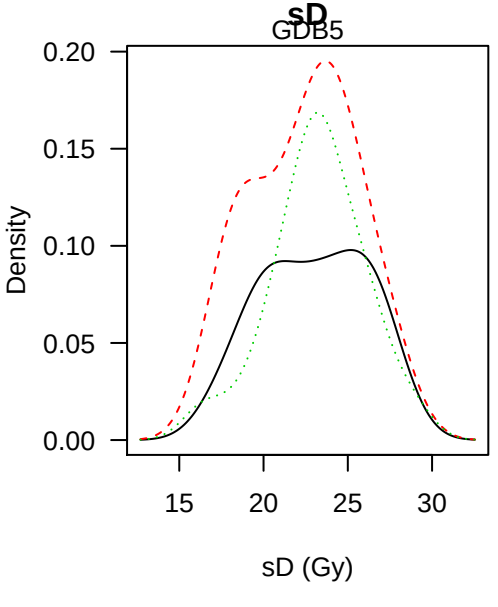

sample: FER1
Disc = 1
sample: FER1
Disc = 2
sample: FER1
Disc = 3
sample: FER1
Disc = 4
sample: FER1
Disc = 5
sample: FER1
Disc = 6
sample: FER1
Disc = 7
sample: FER1
Disc = 8
sample: FER1
Disc = 9
Lx/Tx
Dose (Gy)

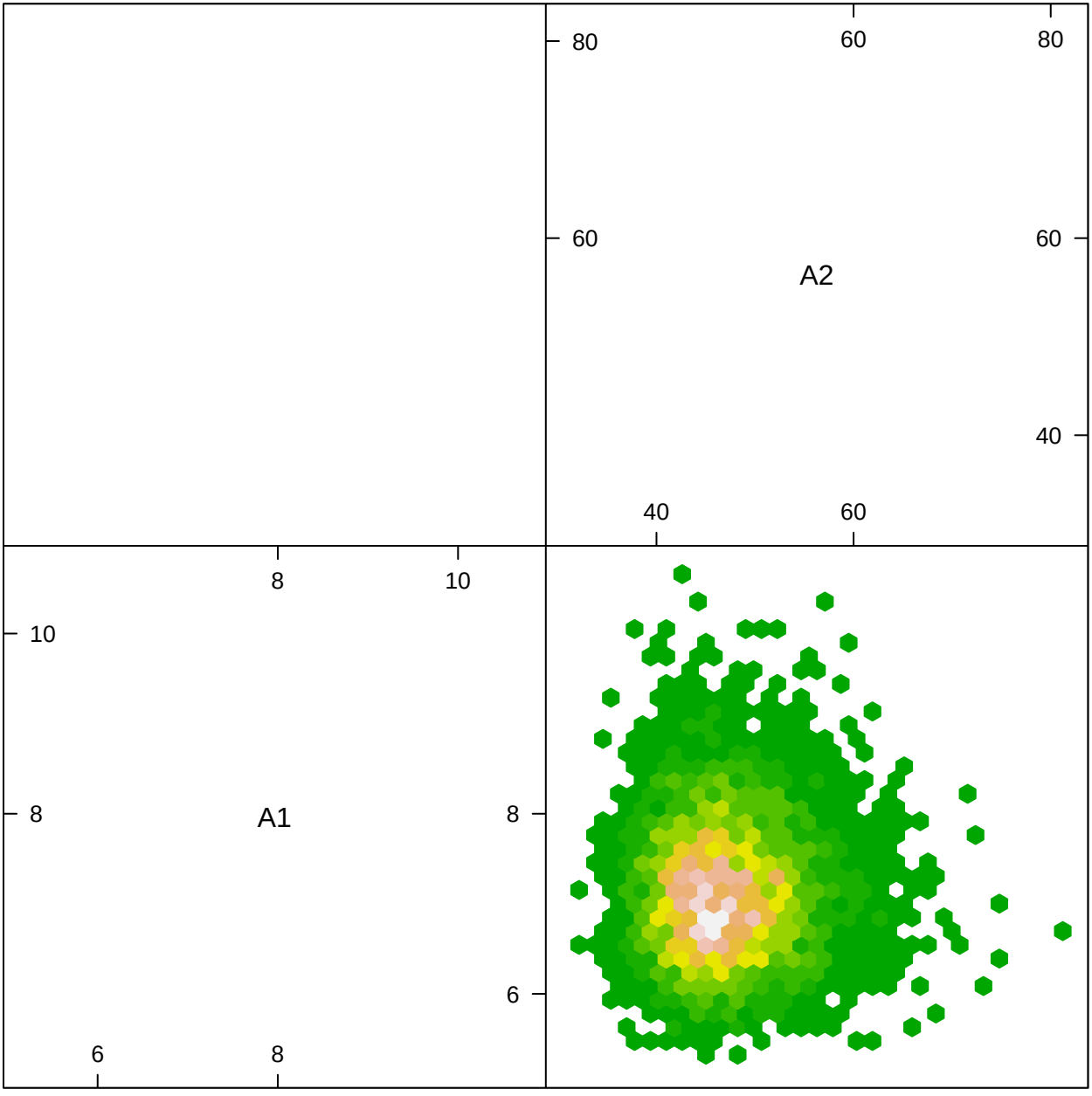

sample: FER1
Disc = 10
L_x/T_x
0
2
4
6
8
0
40
80
120
Dose (Gy)


D
GDB5
D (Gy)
160
140
120
100
220
240
260
280
300
Iterations
(orig. thin. = 5 | shown = 20)

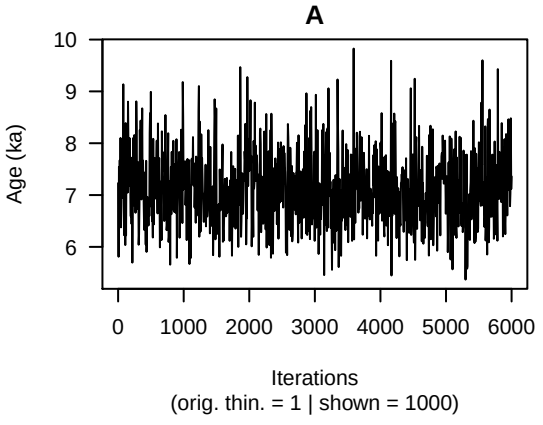

D
GDB5
Density
0.08
0.06
0.04
0.02
0.00
140
150
160
170
180
D (Gy)

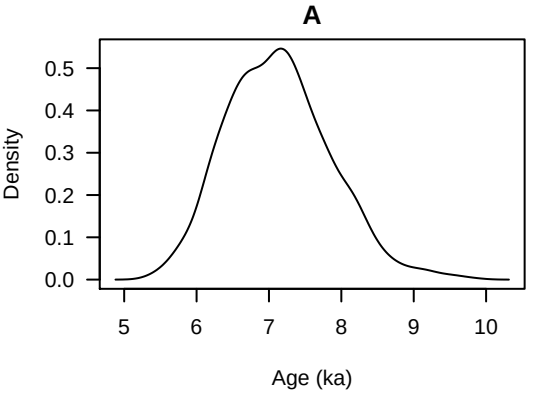

sD
GDB5
sD (Gy)
25
20
15
220
240
260
280
300
Iterations
(orig. thin. = 5 | shown = 20)

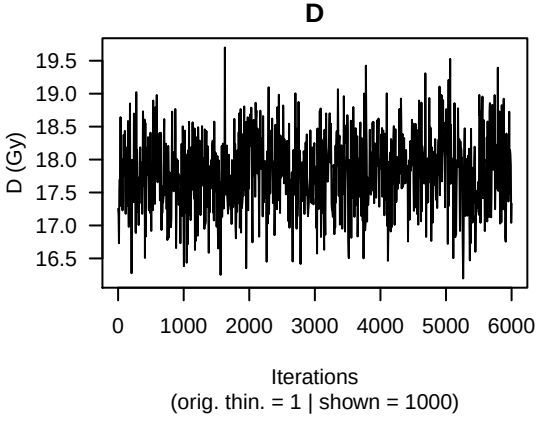

sD
GDB5
Density
0.20
0.15
0.10
0.05
0.00
15
20
25
30
sD (Gy)

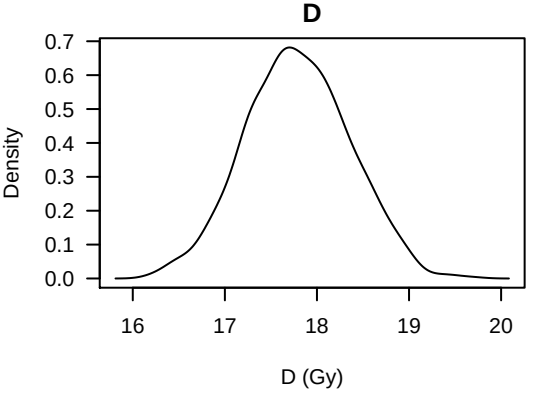


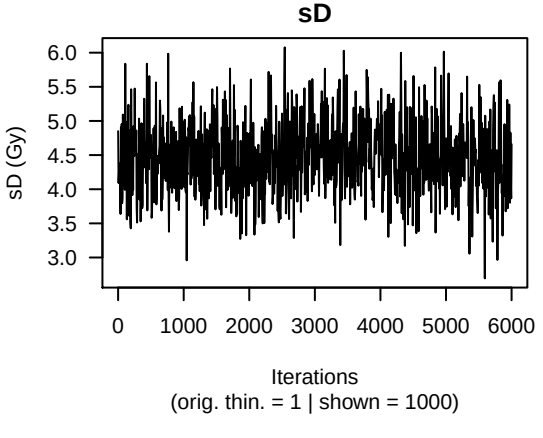
help("ScatterSamples")

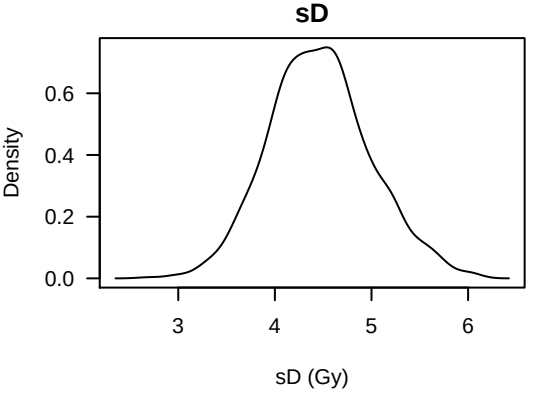

A
Age (ka)
10
9
8
7
6
0
1000
2000
3000
4000
5000
6000
Iterations
(orig. thin. = 1 | shown = 1000)


A
Density
0.5
0.4
0.3
0.2
0.1
0.0
5
6
7
8
9
10
Age (ka)


D
D (Gy)
19.5
19.0
18.5
18.0
17.5
17.0
16.5
0
1000
2000
3000
4000
5000
6000
Iterations
(orig. thin. = 1 | shown = 1000)


D
Density
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
16
17
18
19
20
D (Gy)


sD
sD (Gy)
6.0
5.5
5.0
4.5
4.0
3.5
3.0
0
1000
2000
3000
4000
5000
6000
Iterations
(orig. thin. = 1 | shown = 1000)


sD
Density
0.6
0.4
0.2
0.0
3
4
5
6
sD (Gy)