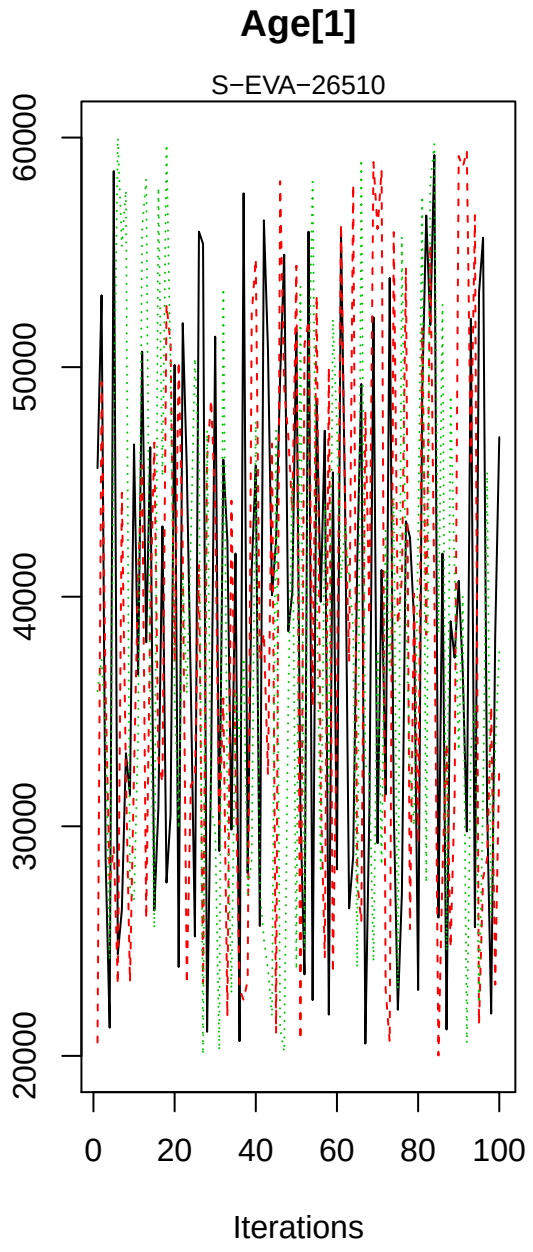
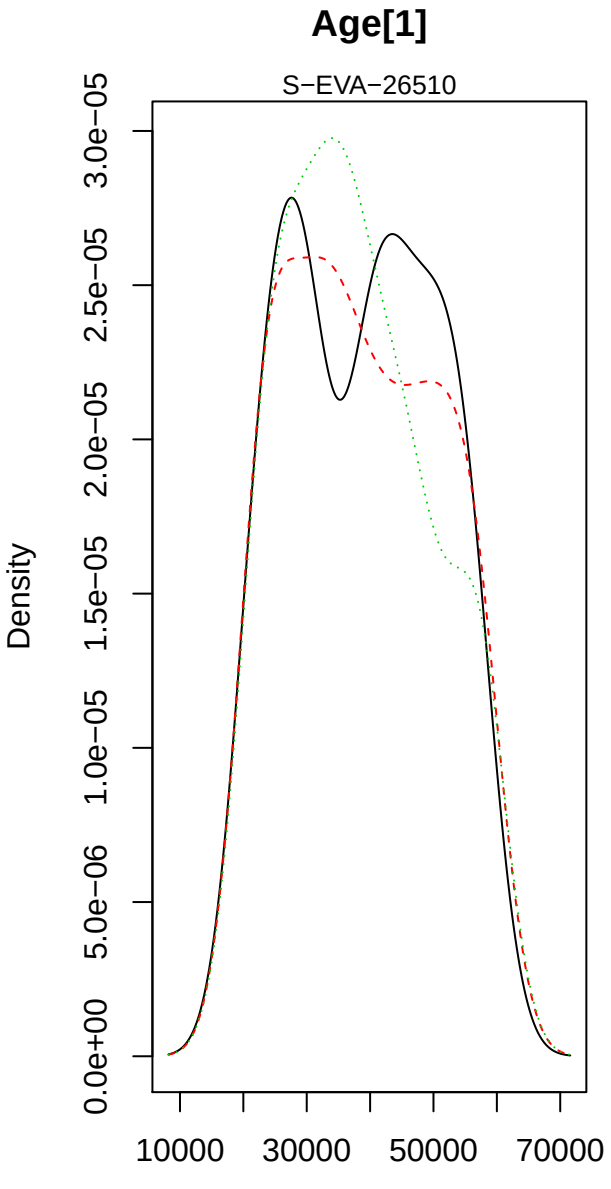
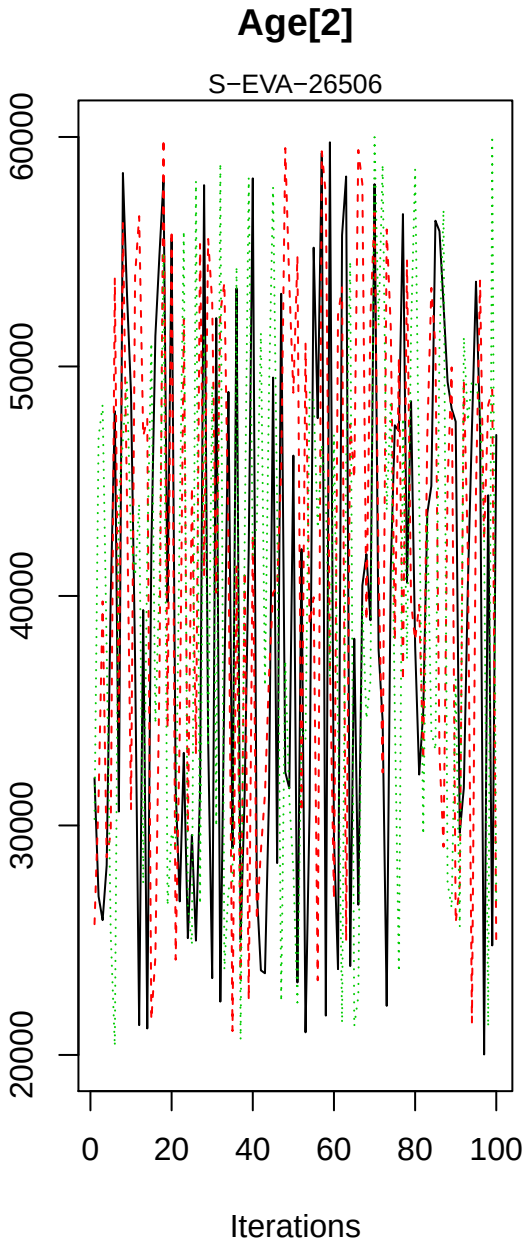
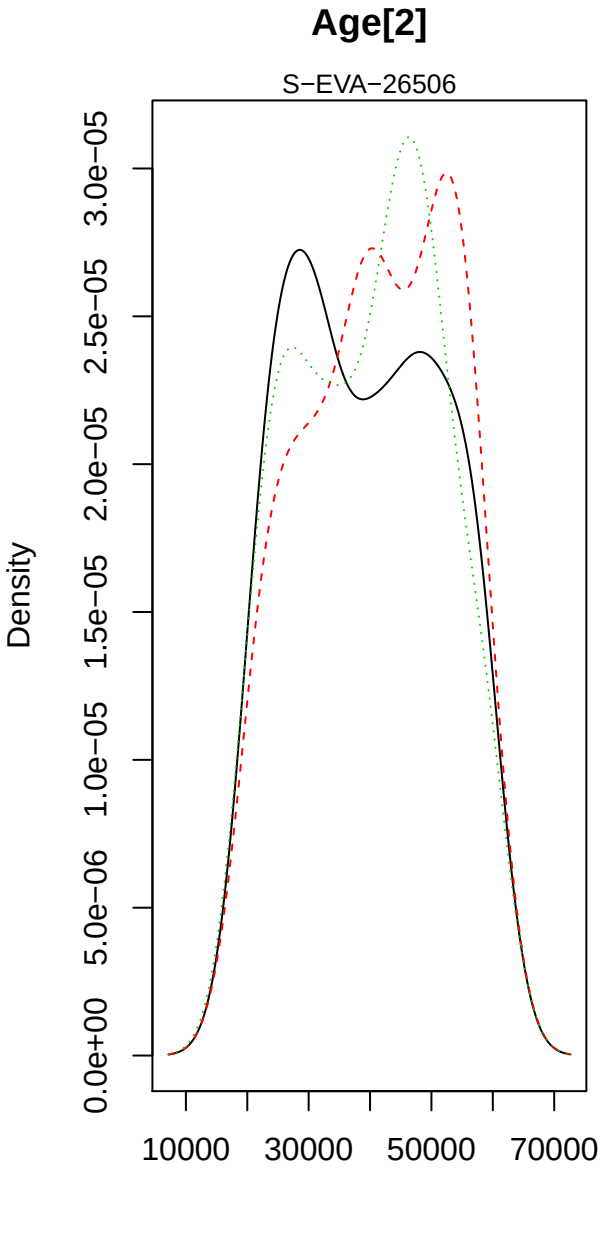


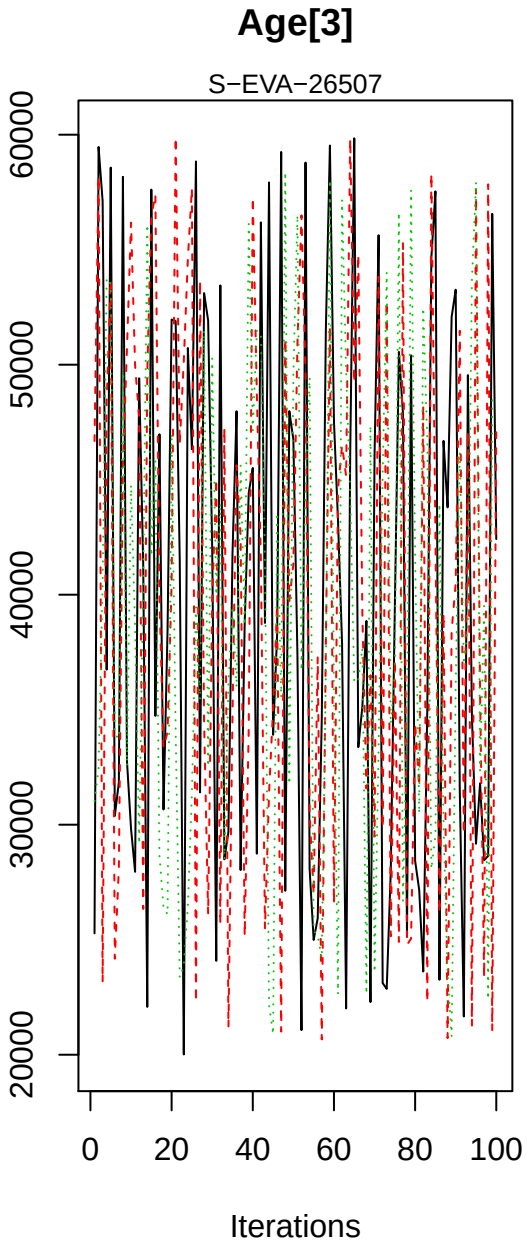


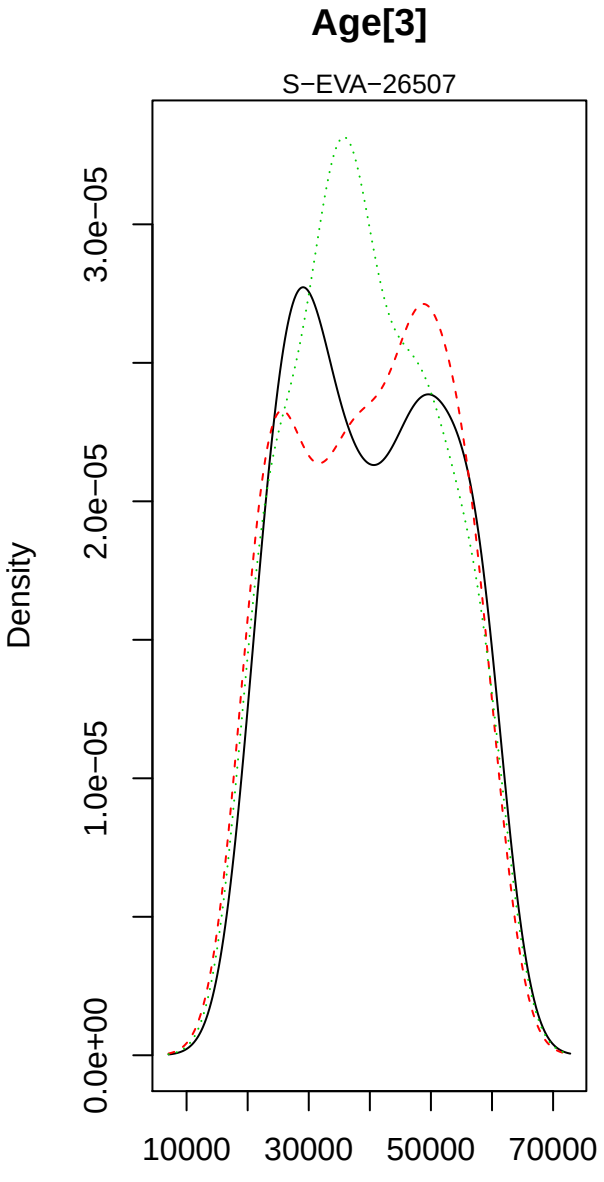
help("AgeC14_Computation")



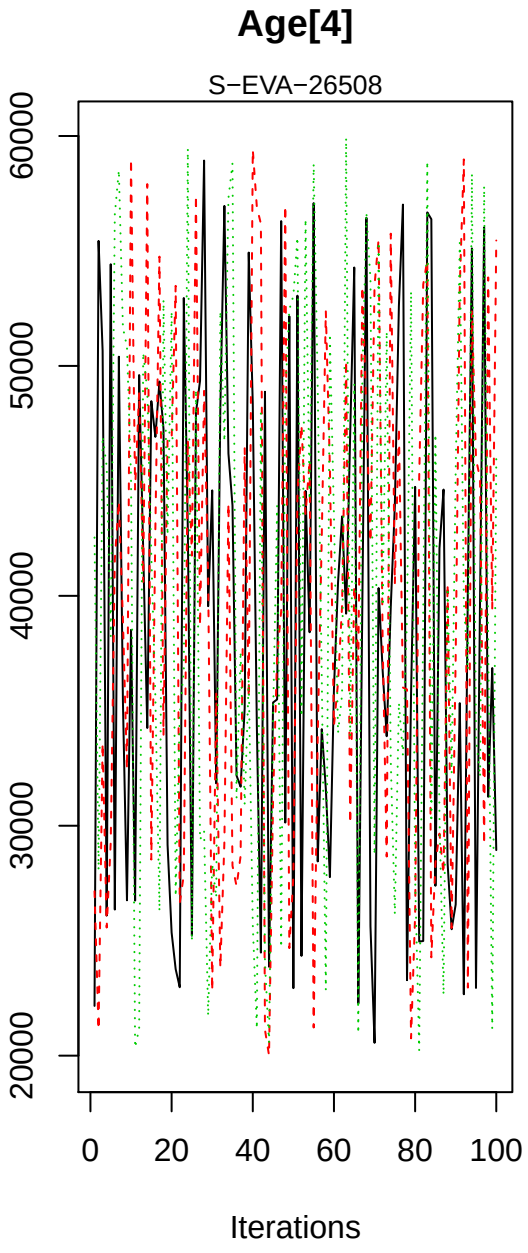


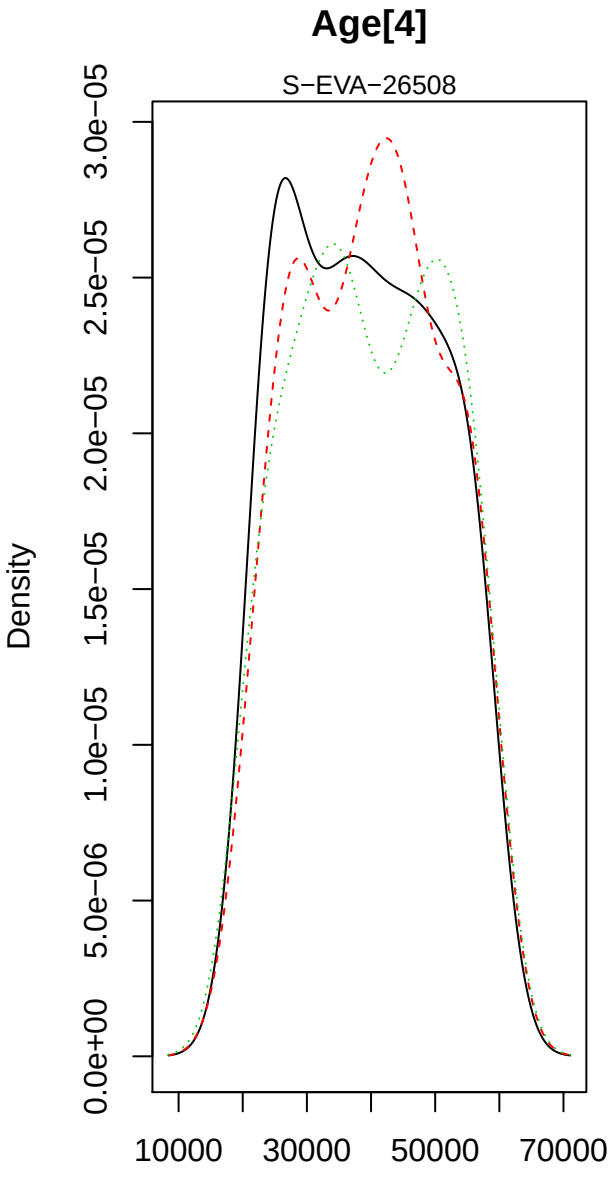
help("AgeC14_Computation")



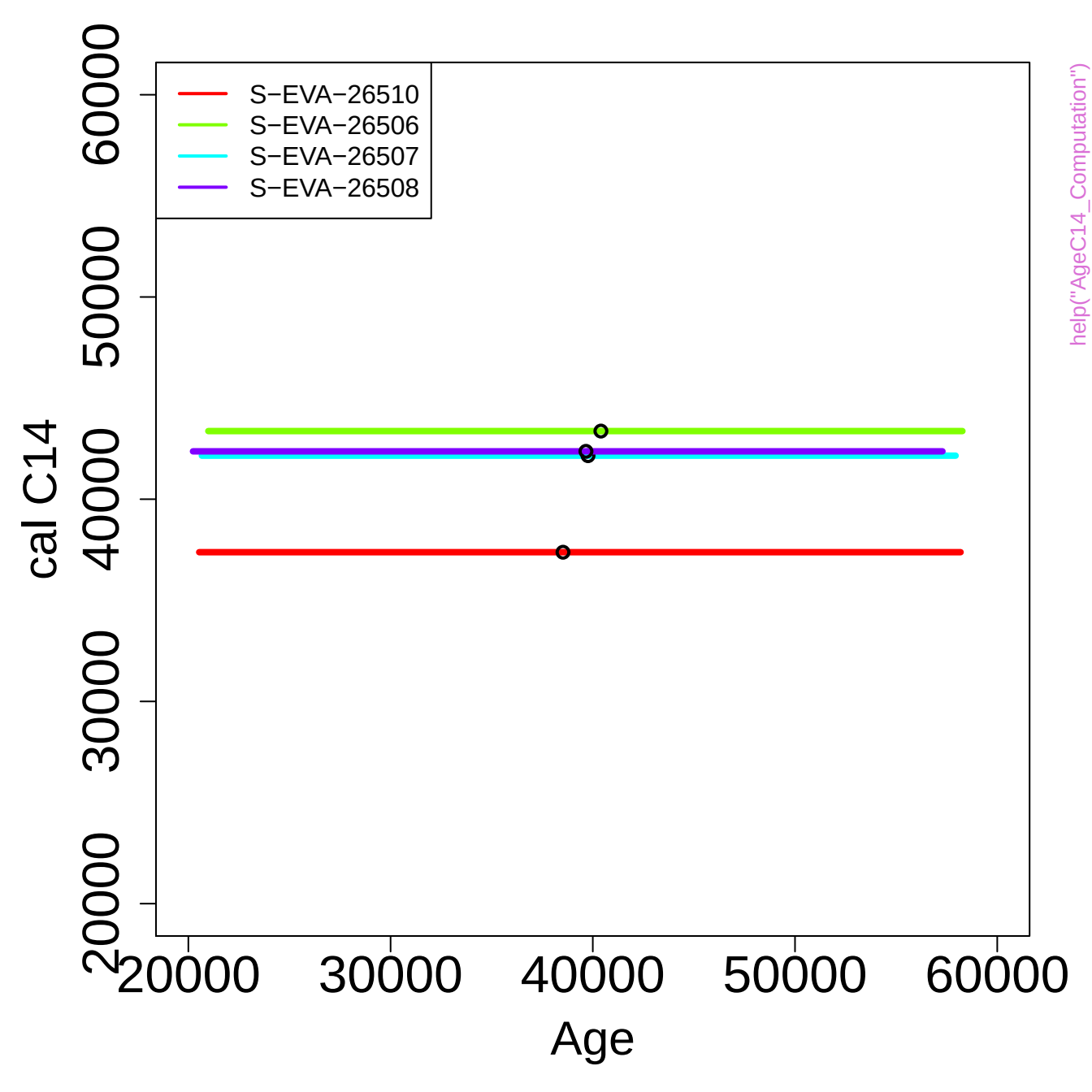


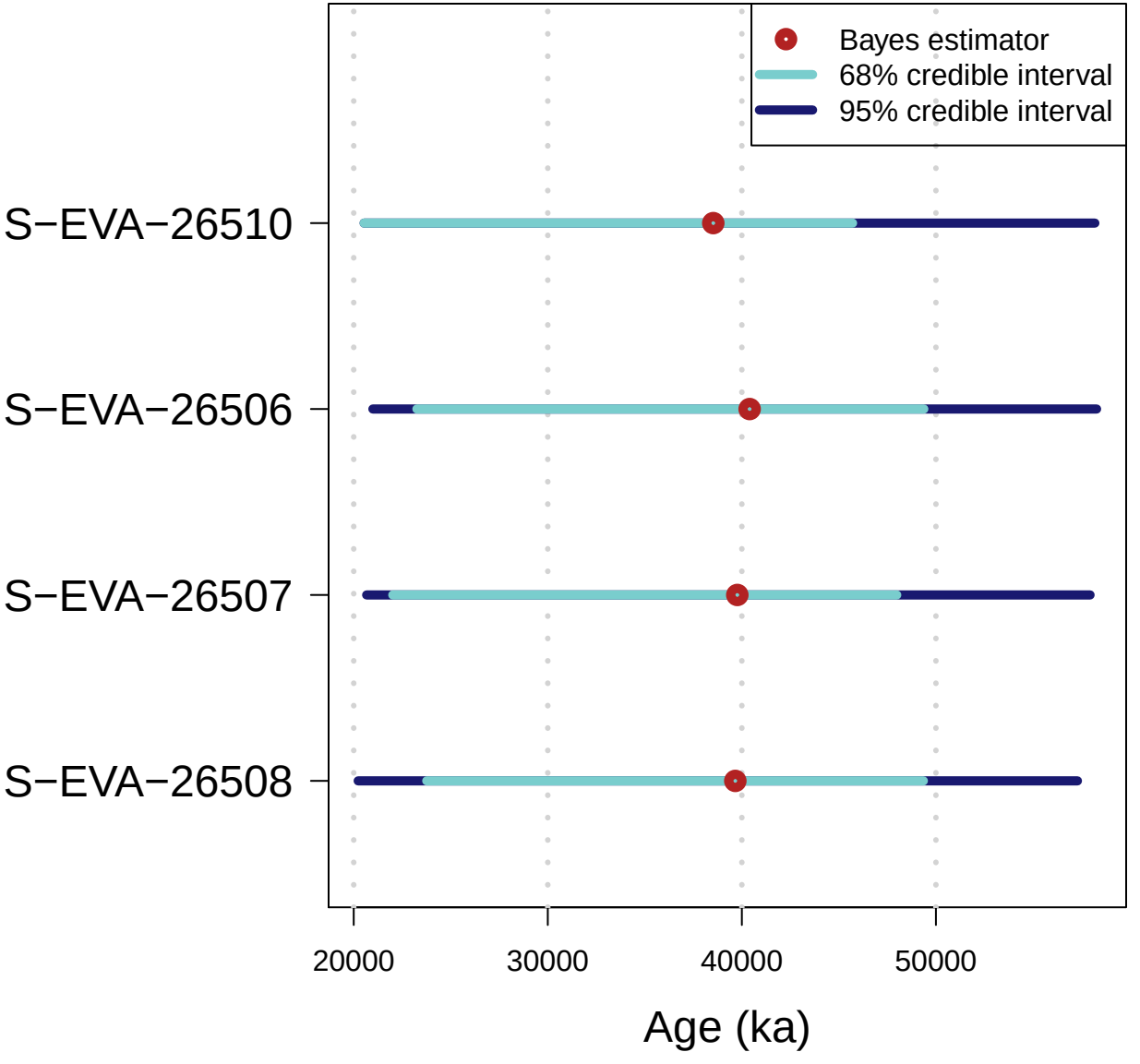
help("AgeC14_Computation")

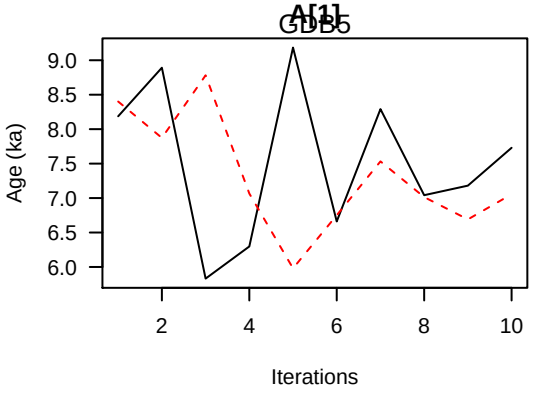


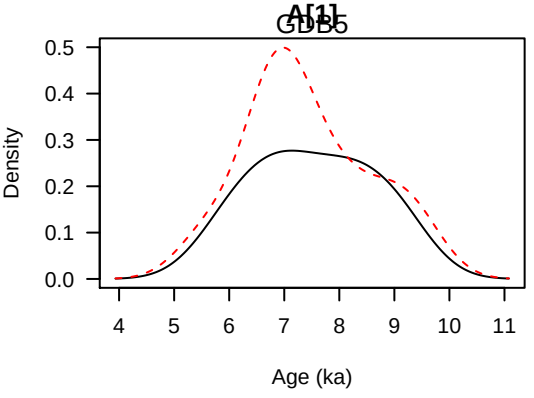


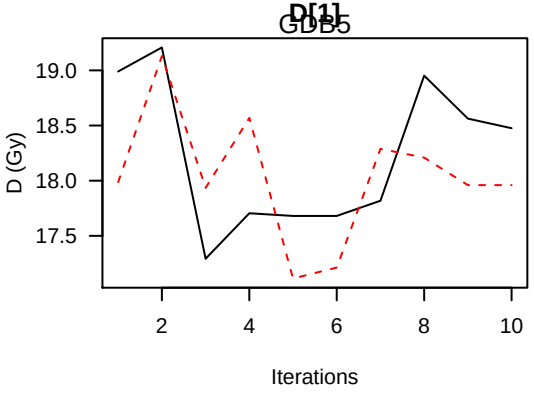
help("AgeC14_Computation")

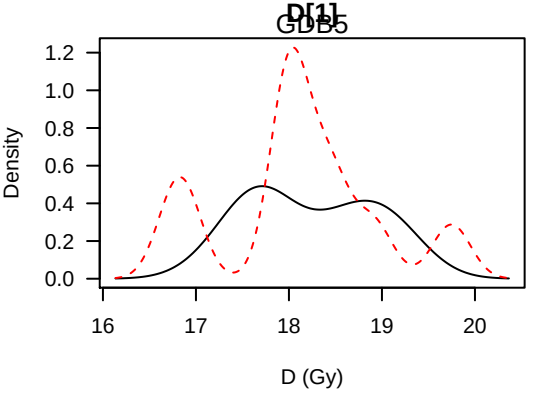

S−EVA−26510
S−EVA−26506
S−EVA−26507
S−EVA−26508
cal C14
20000
30000
40000
50000
60000
Age
help("AgeC14_Computation")

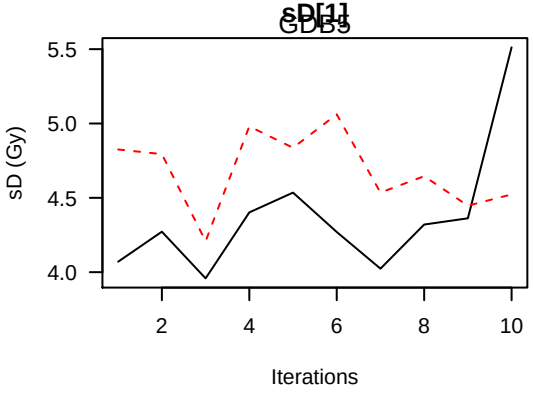

Bayes estimator
68% credible interval
95% credible interval
S−EVA−26510
S−EVA−26506
S−EVA−26507
S−EVA−26508
20000
30000
40000
50000
Age (ka)

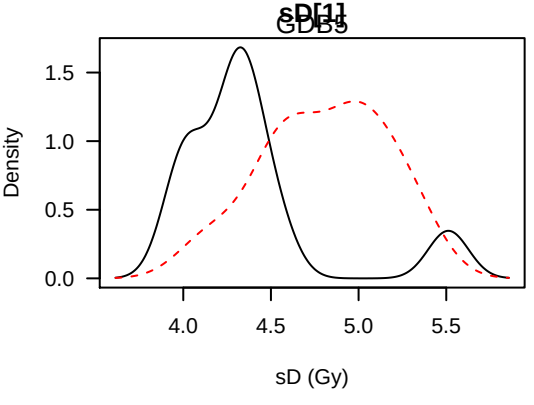

A[1]
GDB5
Age (ka)
Iterations

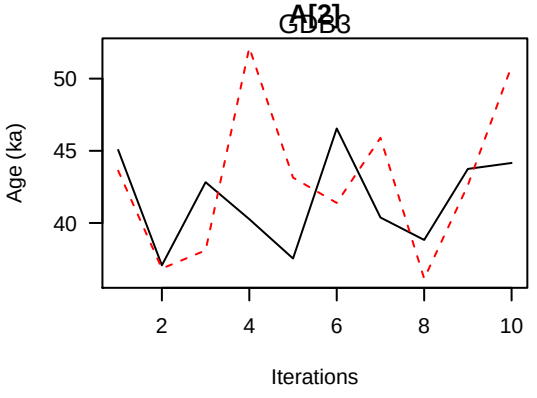

A[1]
GDB5
Density
Age (ka)

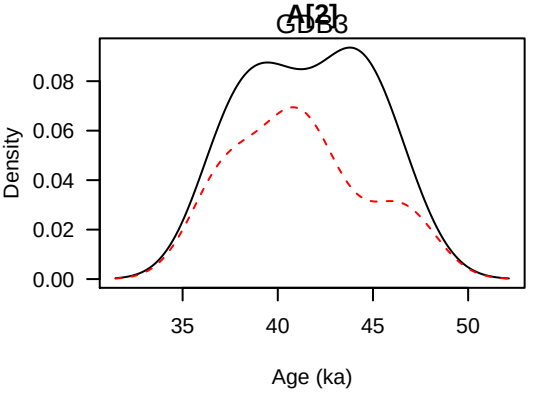

D[1]
GDB5
D (Gy)
Iterations

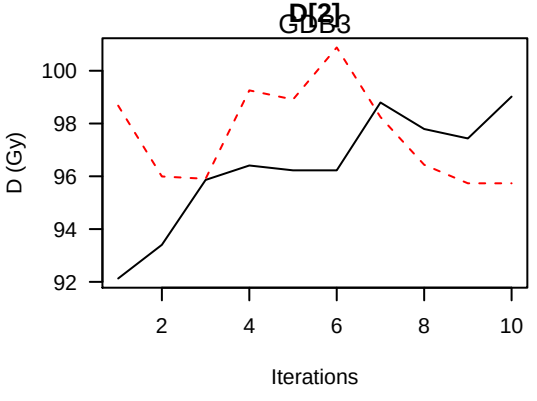

D[1]
GDB5
Density
D (Gy)

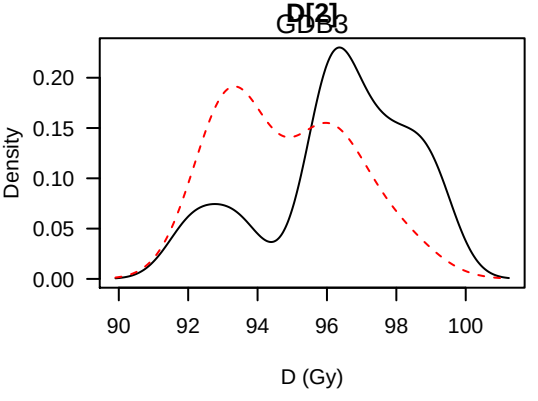

sD[1]
GDB5
sD (Gy)
Iterations

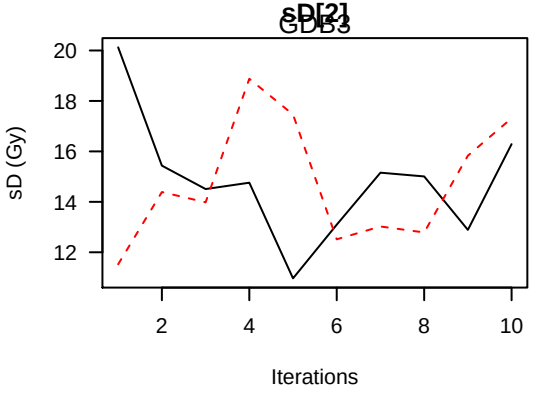

sD[1]
GDB5
Density
sD (Gy)

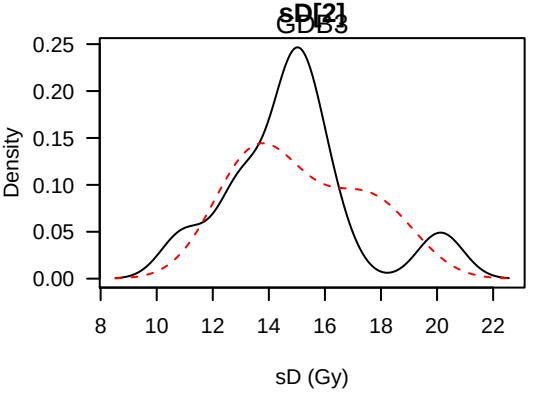

A[2]
GDB3
Age (ka)
Iterations

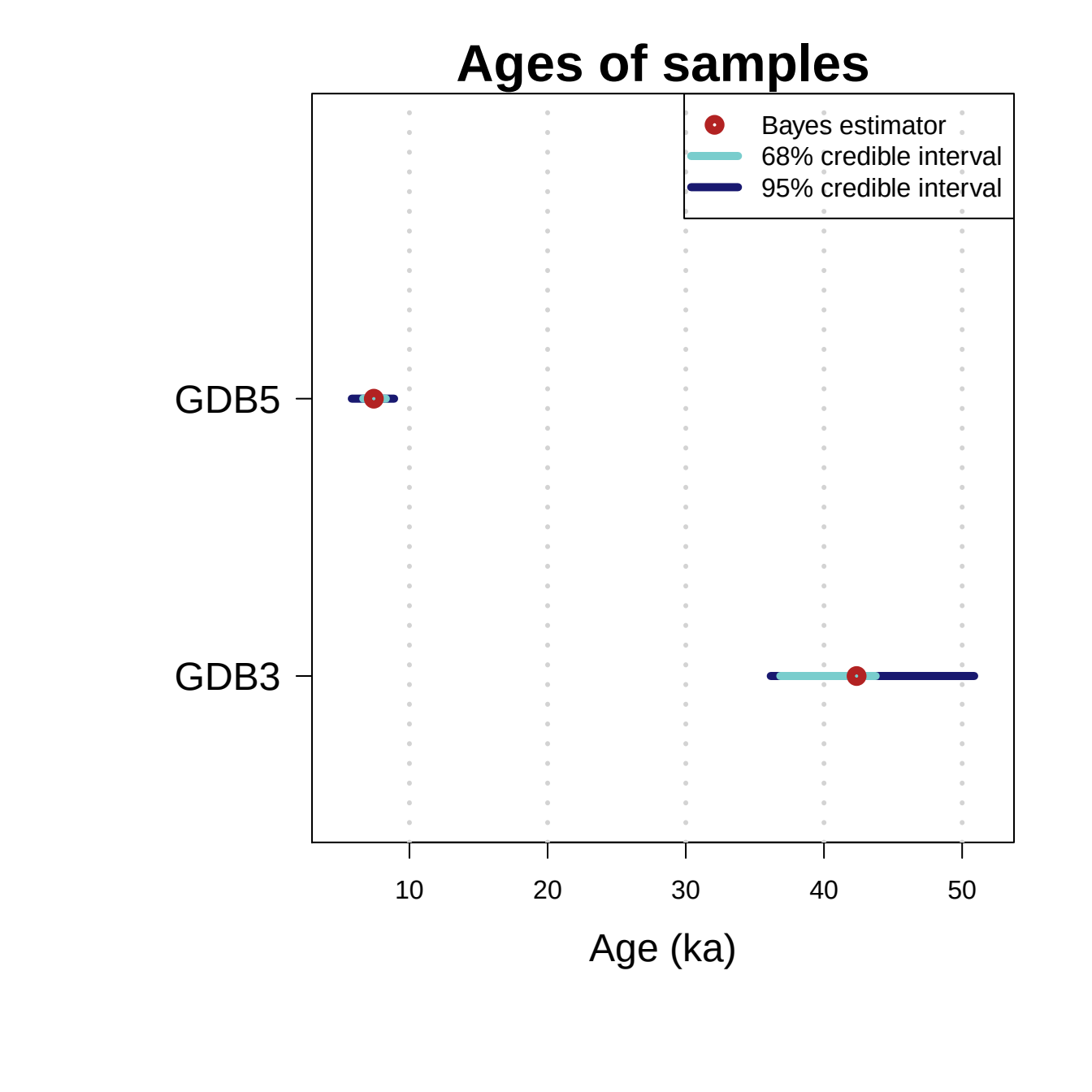

A[2]
GDB3
Density
Age (ka)

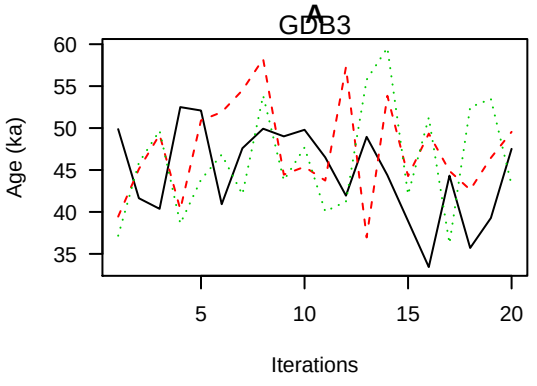

D[2]
GDB3
D (Gy)
Iterations

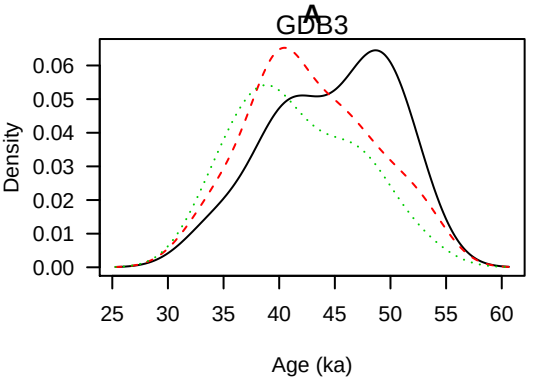

D[2]
GDB3
Density
D (Gy)

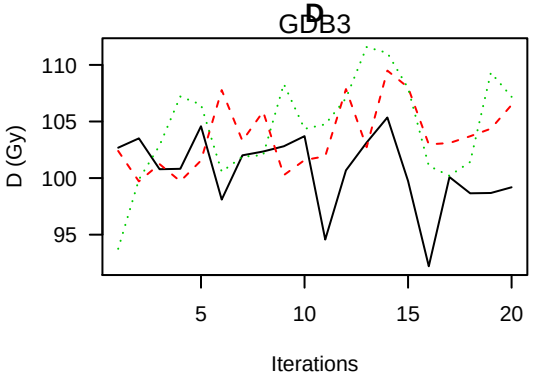

sD[2]
GDB3
sD (Gy)
Iterations

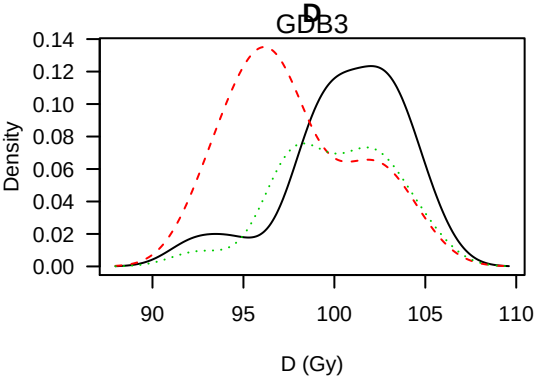

sD[2]
GDB3
Density
sD (Gy)

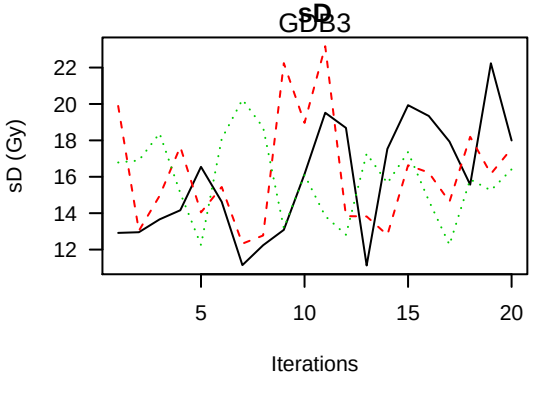

Ages of samples
Bayes estimator
68% credible interval
95% credible interval
GDB5
GDB3
10
20
30
40
50
Age (ka)

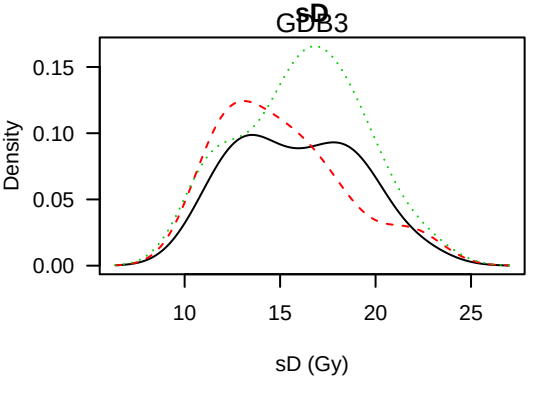

A
GDB3
Age (ka)
60
55
50
45
40
35
5
10
15
20
Iterations

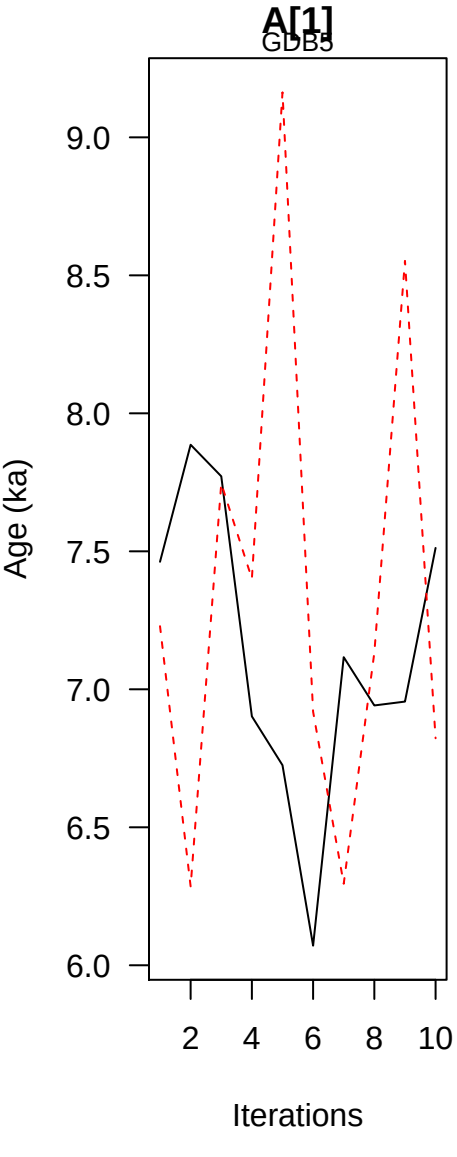

A
GDB3
Density
0.06
0.05
0.04
0.03
0.02
0.01
0.00
25
30
35
40
45
50
55
60
Age (ka)

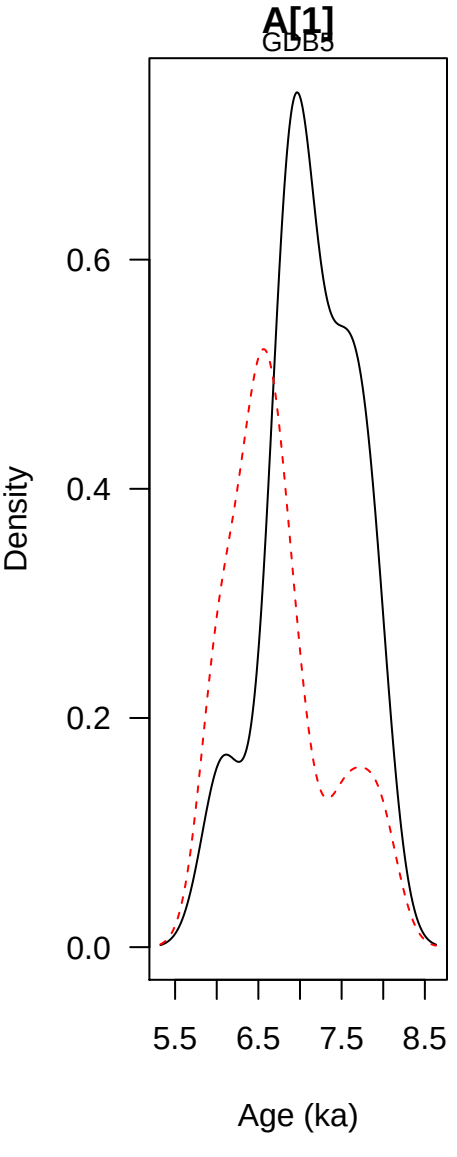

D
GDB3
D (Gy)
110
105
100
95
5
10
15
20
Iterations

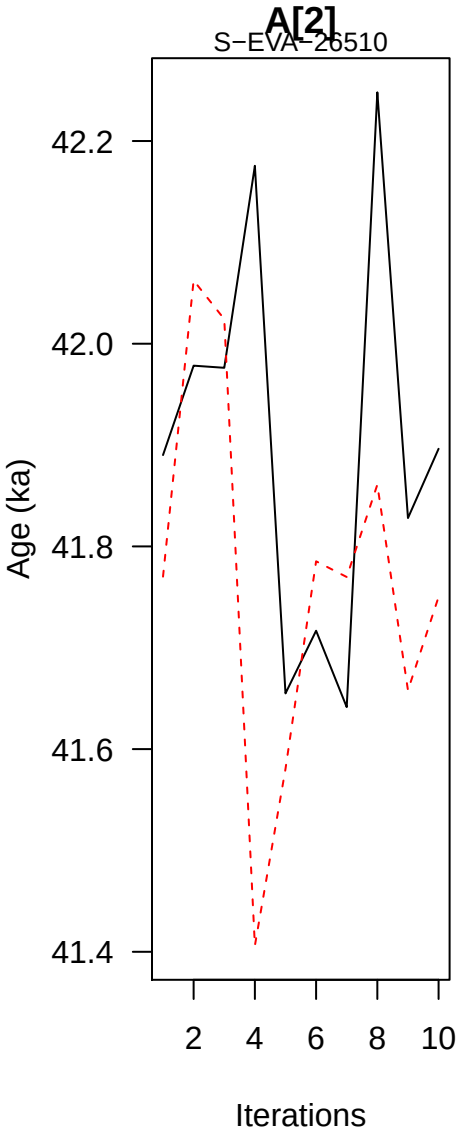

D
GDB3
Density
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
90
95
100
105
110
D (Gy)

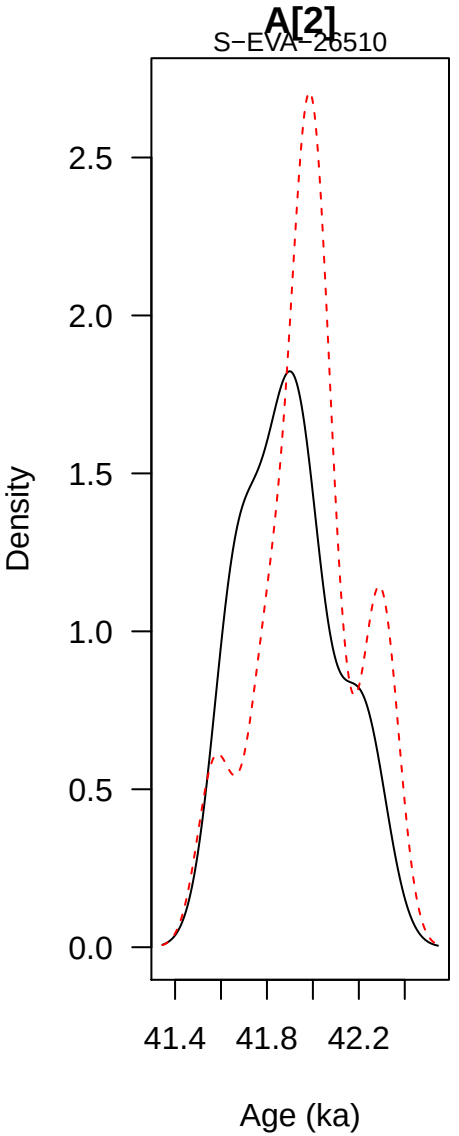

sD
GDB3
sD (Gy)
22
20
18
16
14
12
5
10
15
20
Iterations

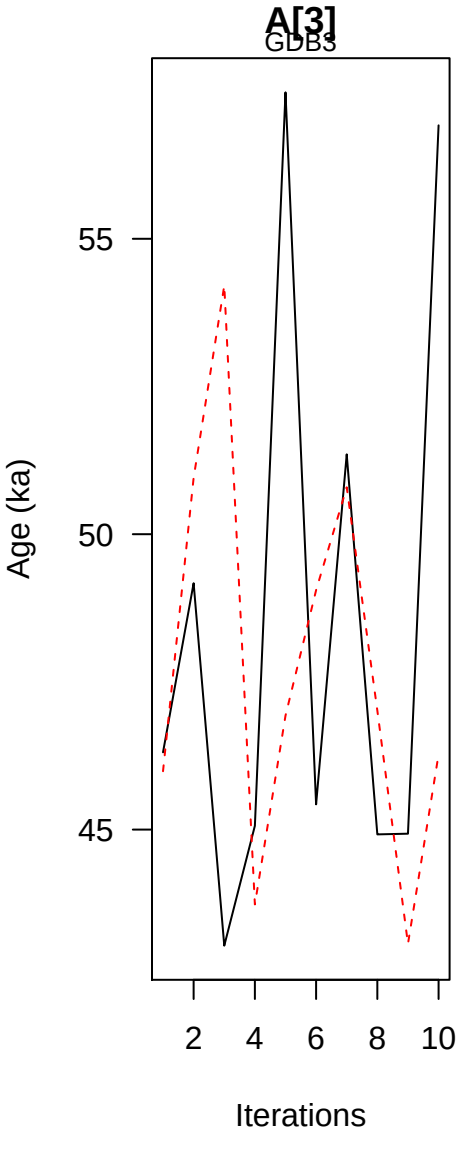

sD
GDB3
Density
0.15
0.10
0.05
0.00
10
15
20
25
sD (Gy)

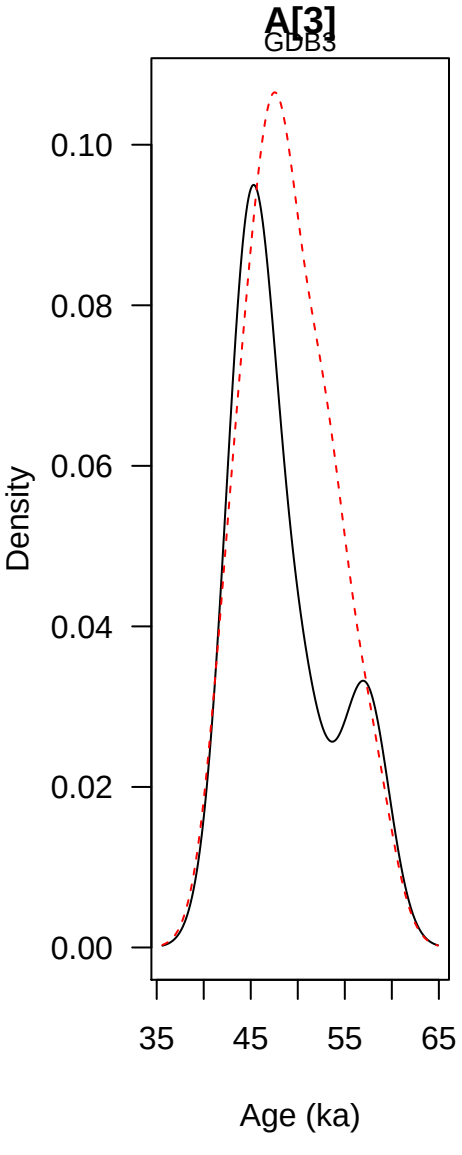

A[1]
GDB5
9.0
8.5
8.0
7.5
7.0
6.5
6.0
Age (ka)
2
4
6
8
10
Iterations

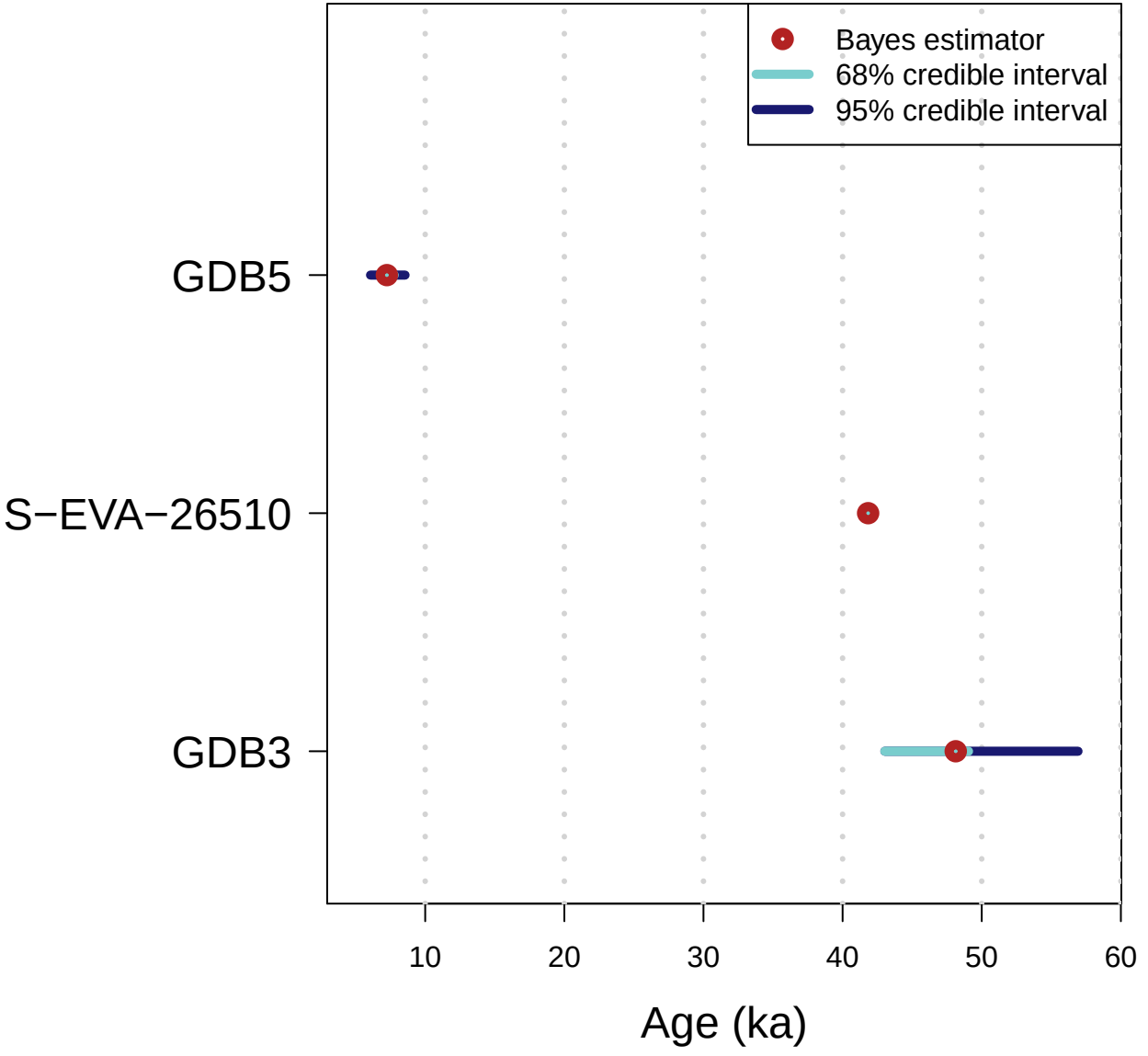

A[1]
GDB5
0.6
0.4
0.2
0.0
Density
5.5
6.5
7.5
8.5
Age (ka)

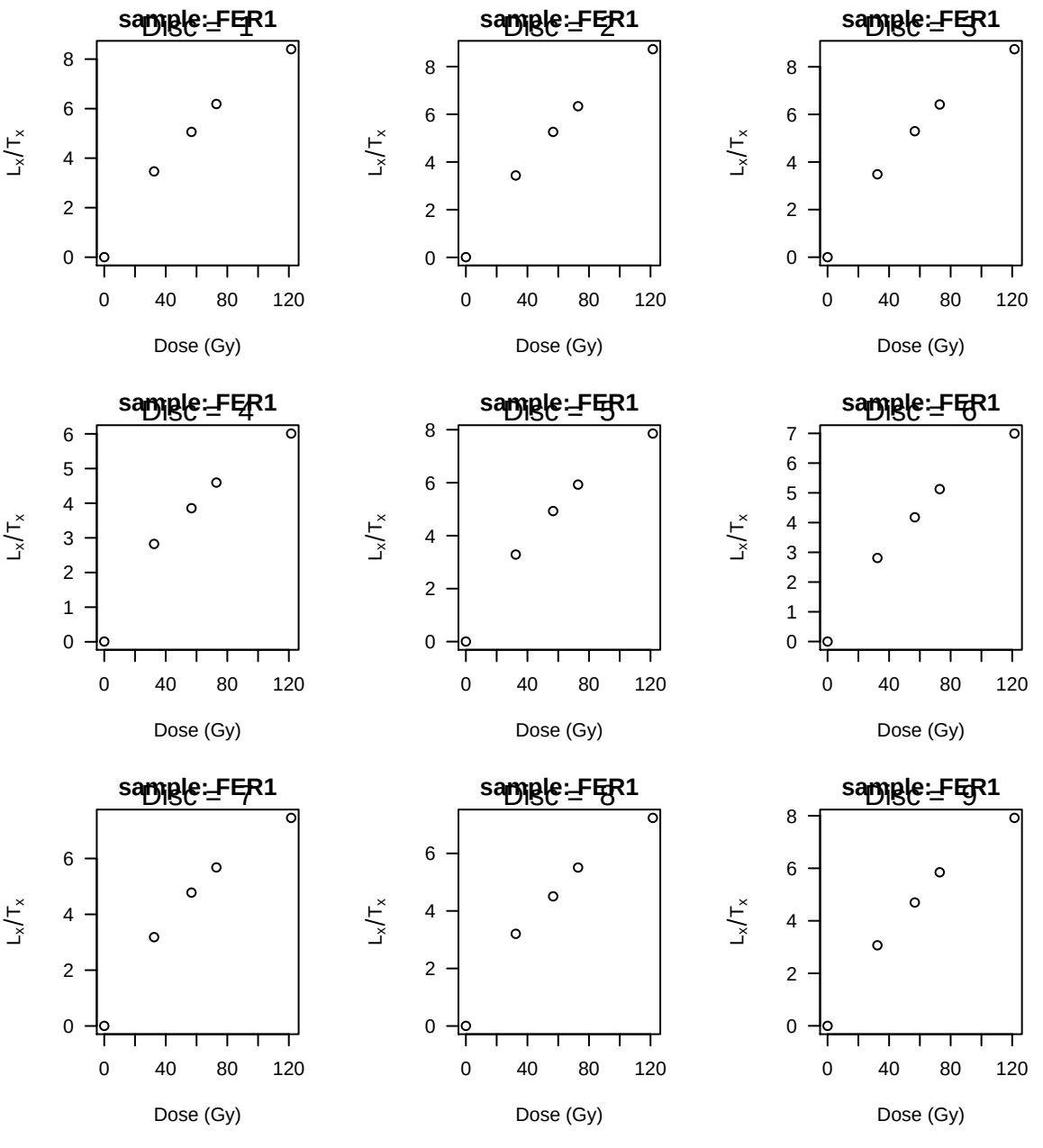

A[2]
S−EVA−26510
42.2
42.0
41.8
41.6
41.4
Age (ka)
2
4
6
8
10
Iterations

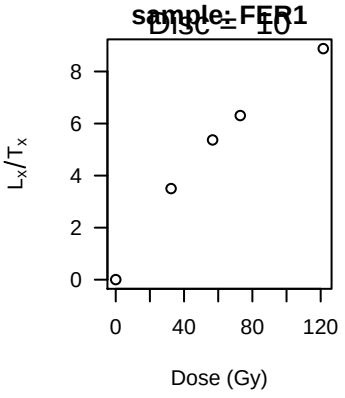

A[2]
S−EVA−26510
2.5
2.0
1.5
1.0
0.5
0.0
Density
41.4
41.8
42.2
Age (ka)

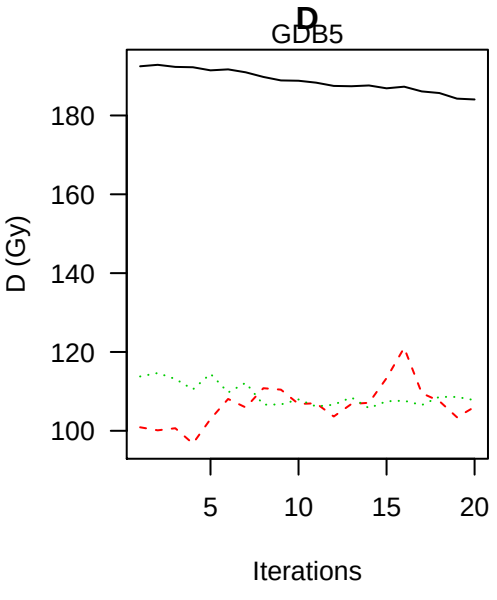

A[3]
GDB3
55
50
45
Age (ka)
2
4
6
8
10
Iterations

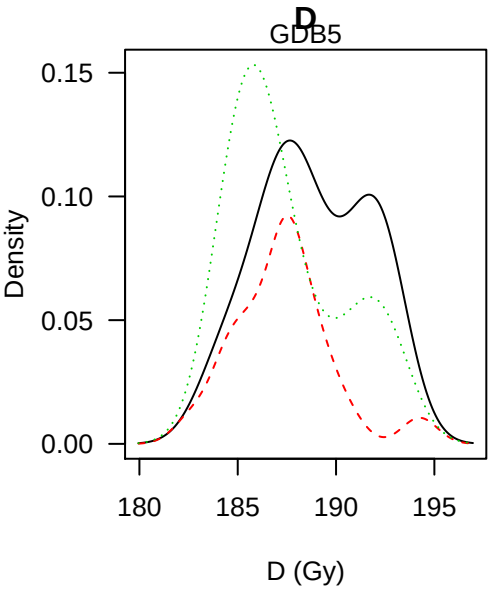

A[3]
GDB3
0.10
0.08
0.06
0.04
0.02
0.00
Density
35
45
55
65
Age (ka)

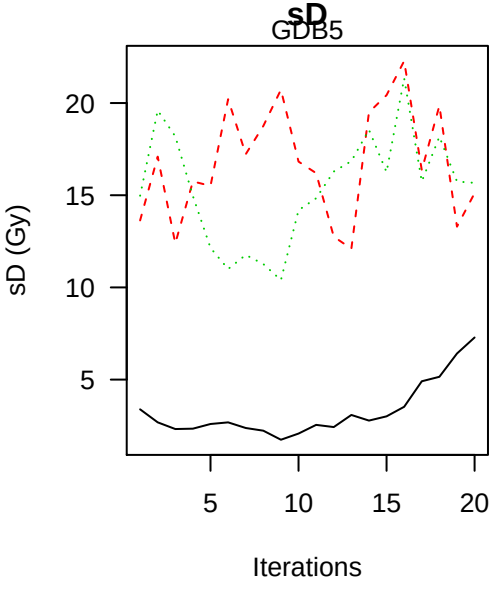

Bayes estimator
68% credible interval
95% credible interval
GDB5
S−EVA−26510
GDB3
10
20
30
40
50
60
Age (ka)

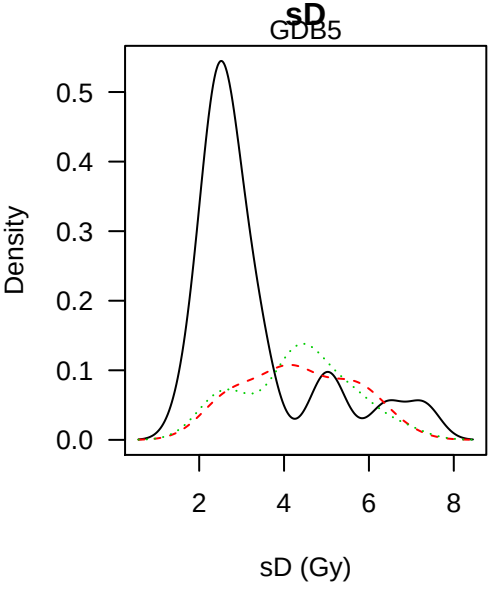

sample: FER1
Disc = 1
sample: FER1
Disc = 2
sample: FER1
Disc = 3
sample: FER1
Disc = 4
sample: FER1
Disc = 5
sample: FER1
Disc = 6
sample: FER1
Disc = 7
sample: FER1
Disc = 8
sample: FER1
Disc = 9
Lx/Tx
Dose (Gy)

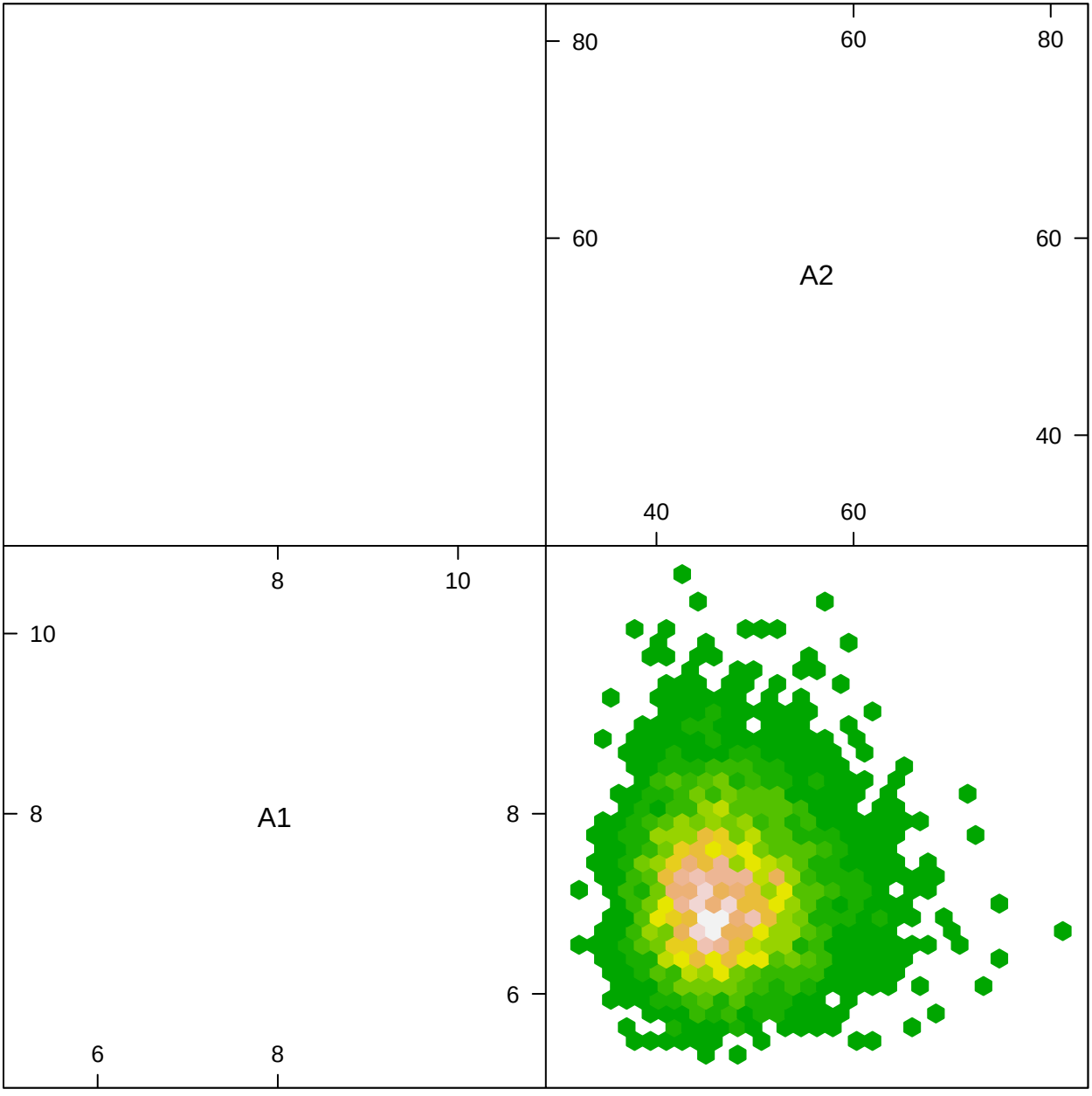

sample: FER1
Disc = 10
L_x/T_x
0
2
4
6
8
0
40
80
120
Dose (Gy)


D
GDB5
D (Gy)
180
160
140
120
100
5
10
15
20
Iterations

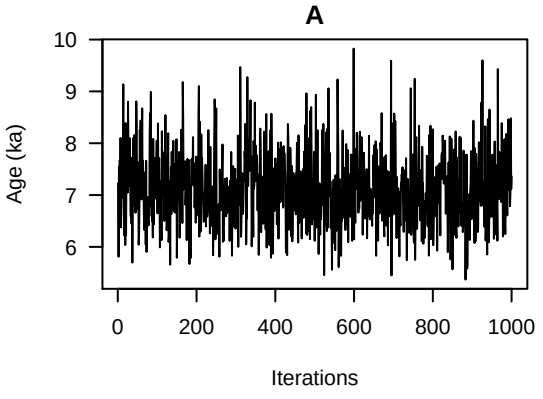

D
GDB5
Density
0.15
0.10
0.05
0.00
180
185
190
195
D (Gy)

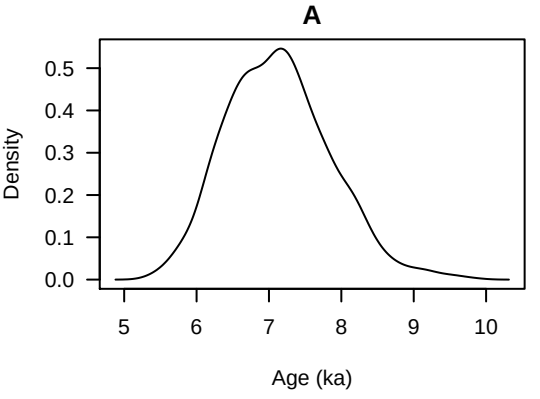

sD
GDB5
sD (Gy)
20
15
10
5
5
10
15
20
Iterations

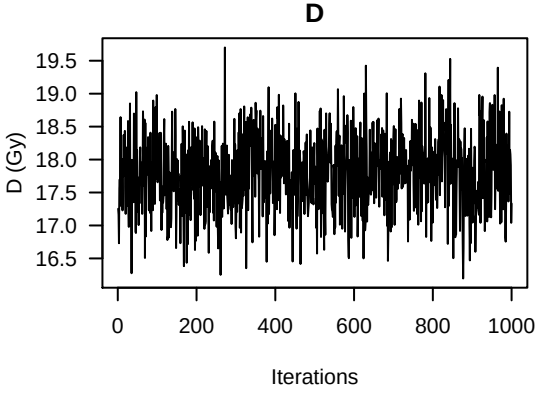

sD
GDB5
Density
0.5
0.4
0.3
0.2
0.1
0.0
2
4
6
8
sD (Gy)

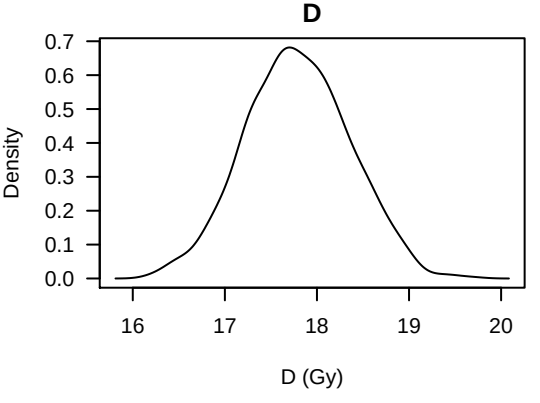


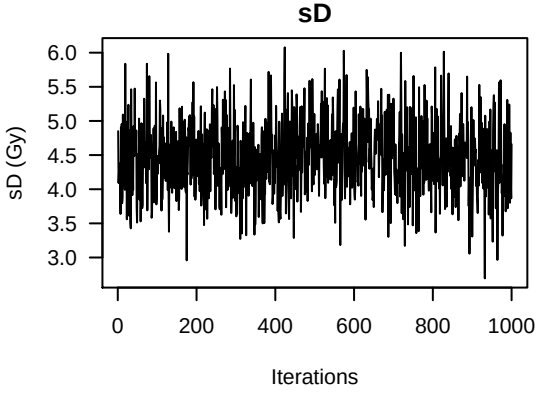
help("ScatterSamples")

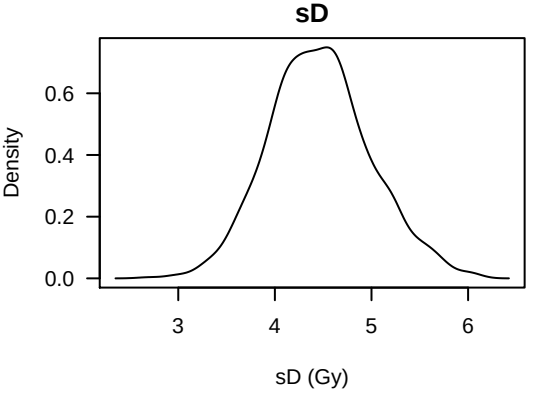

A
Age (ka)
10
9
8
7
6
0
200
400
600
800
1000
Iterations


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
200
400
600
800
1000
Iterations


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
200
400
600
800
1000
Iterations


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