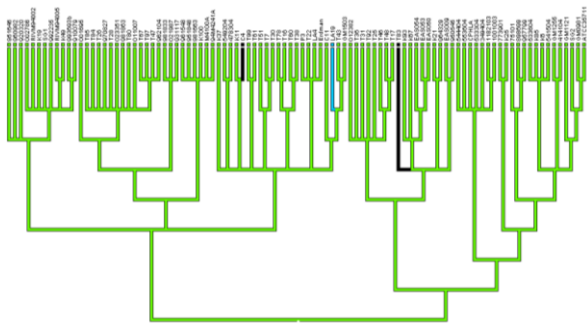
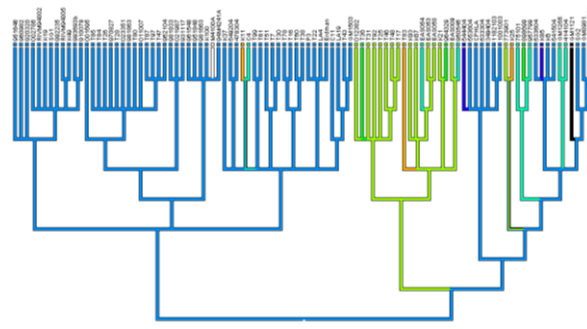


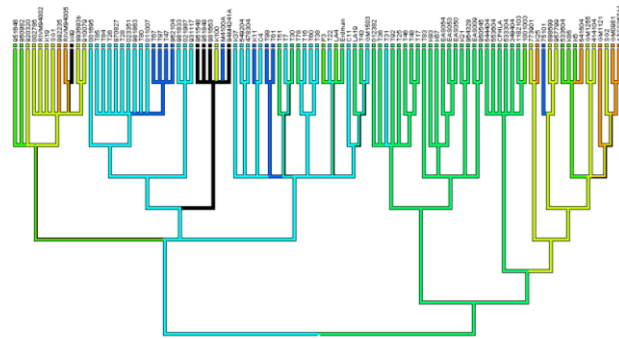
Supplementary Figure 3. Homoplasy in the MIRU-VNTR loci. For each of the 24 standard MIRU-VNTR loci, the different allele variants were mapped onto the MLSA phylogeny (illustrated in separate Figure panels below). Each allele variant is represented by a different colour. 23 out of 24 loci showed clear evidence of convergent evolution.



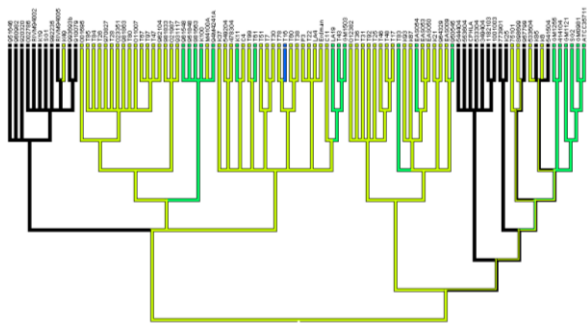
MIRU02



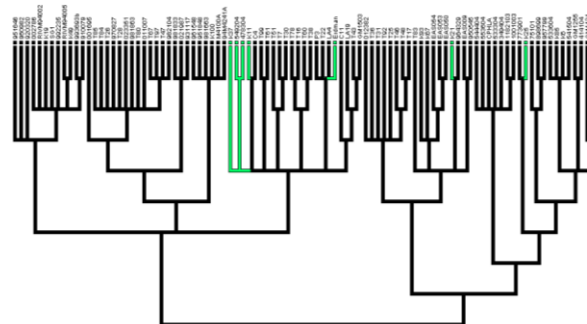
MIRU04



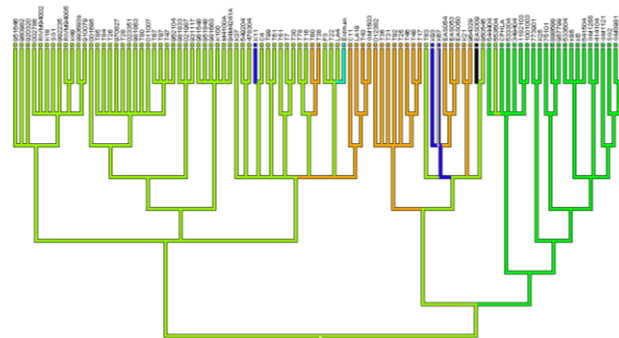
MIRU10



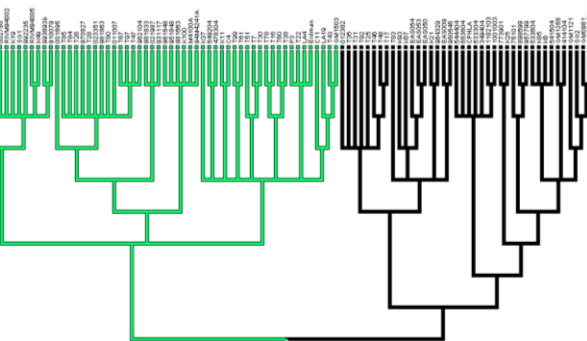
MIRU16



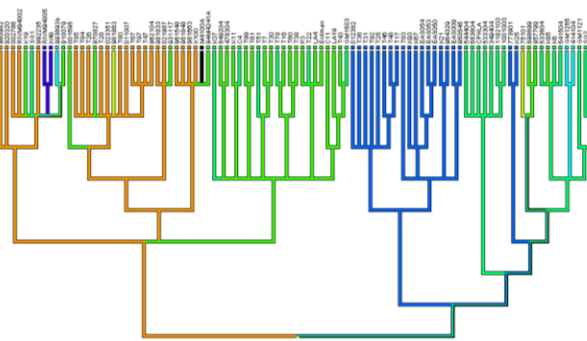
MIRU20



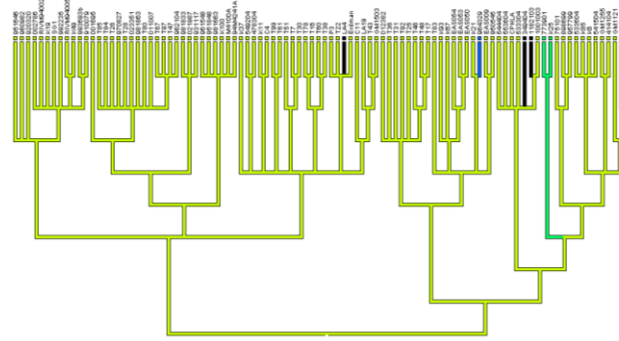
MIRU23



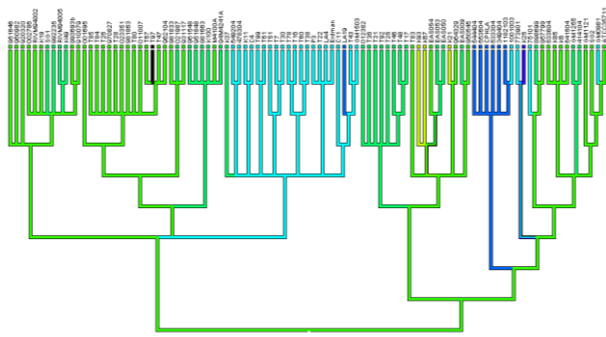
MIRU24



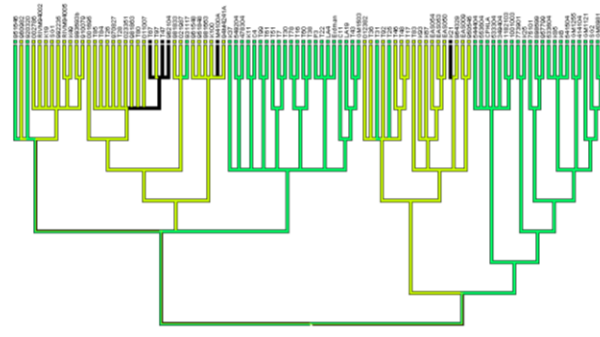
MIRU26



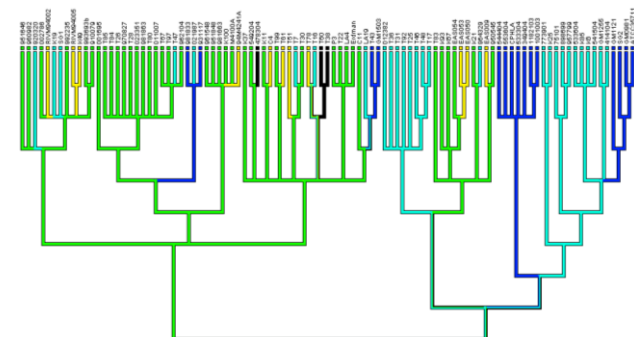
MIRU27



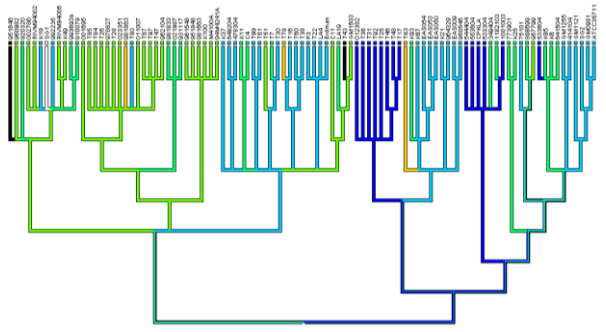
MIRU31



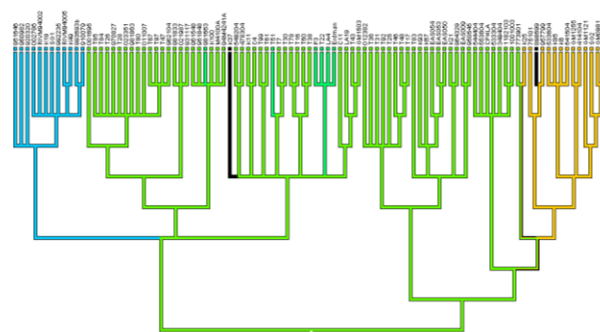
MIRU39



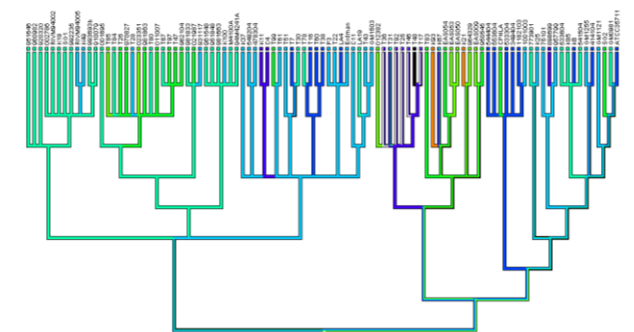
MIRU40



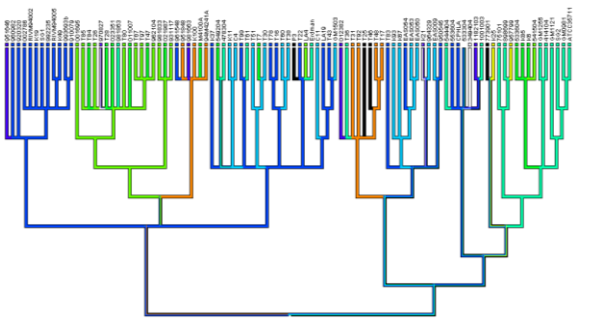
VNTR0424



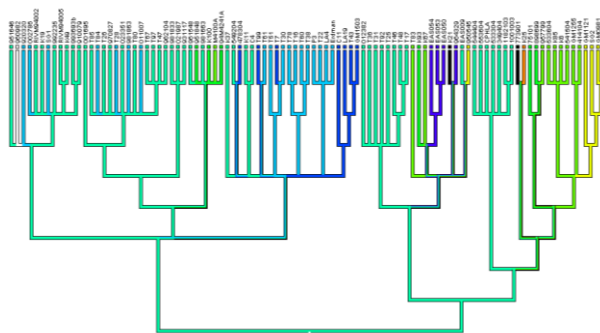
VNTR0577



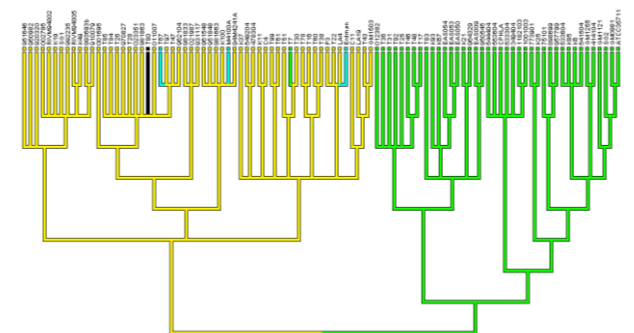
VNTR1955



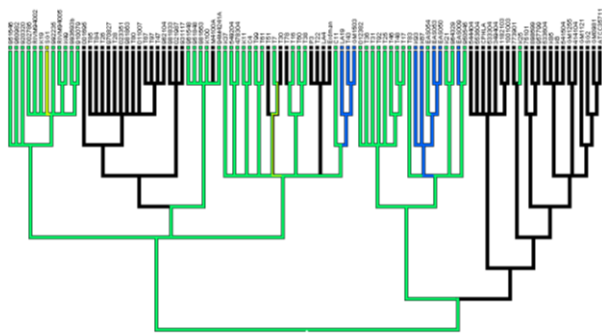
VNTR2163b



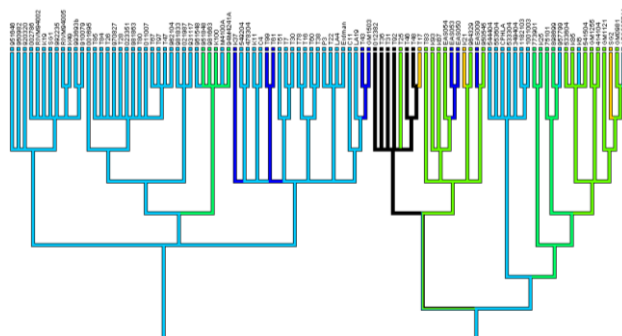
VNTR2165



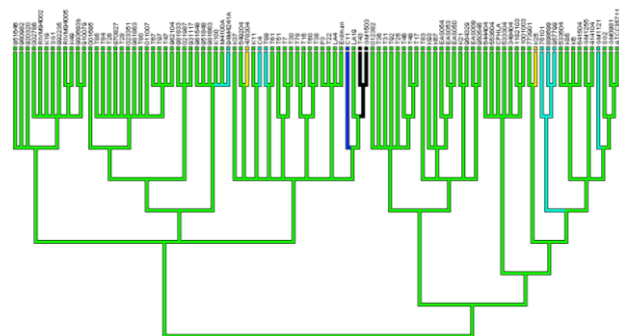
VNTR2347



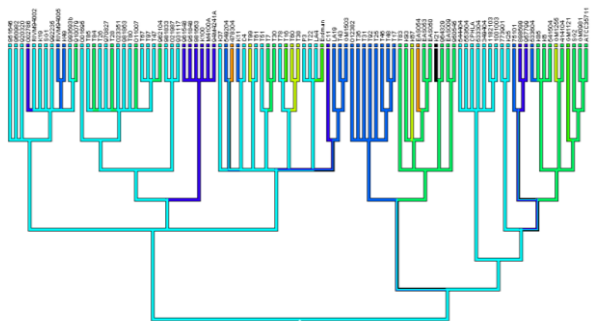
VNTR2401



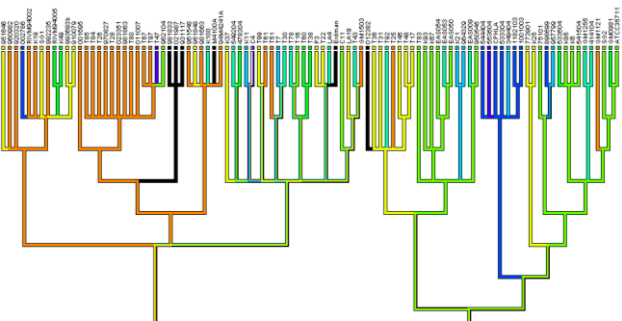
VNTR2461



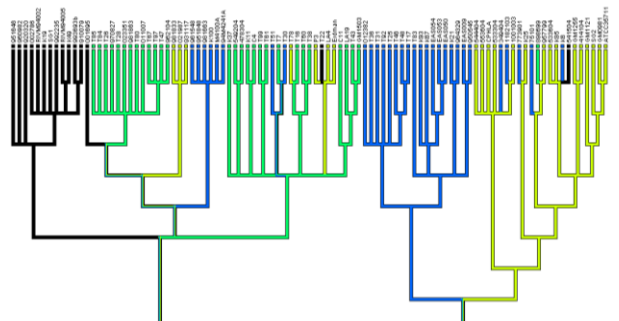
VNTR3171



VNTR3690



VNTR4052



VNTR4156

Trace Character

1

Character: MIRU02
Parsimony reconstruction (ordered) [Steps: 3]

1
2
3

Most parsimonious state(s)
2

Trace Character

2

Character: MIRU04
Parsimony reconstruction (Unordered) [Steps: 17]

0
1
2
3
4
5
6
7

Trace Character

3

Character: MIRU10
Parsimony reconstruction (Unordered) [Steps: 30]

2
3
4
5
6
7
8

Trace Character

4

Character: MIRU16
Parsimony reconstruction (Unordered) [Steps: 18]

1
2
3
4

Trace Character

5

Character: MIRU20
Parsimony reconstruction (Unordered) [Steps: 6]

1
2

Trace Character

6

Character: MIRU23
Parsimony reconstruction (Unordered) [Steps: 12]

0
1
3
4
5
6
7

Trace Character

7

Character: MIRU24
Parsimony reconstruction (Unordered) [Steps: 1]

1
2

Trace Character

8

Character: MIRU26
Parsimony reconstruction (Unordered) [Steps: 26]

1
2
3
4
5
6
7
8

Trace Character

9

Character: MIRU27
Parsimony reconstruction (Unordered) [Steps: 5]

1
2
3
4

Trace Character

10

Character: MIRU31
Parsimony reconstruction (Unordered) [Steps: 24]

1
2
3
4
5
6
8

Trace Character

11

Character: MIRU39
Parsimony reconstruction (Unordered) [Steps: 11]

2
3
4

Trace Character

12

Character: MIRU40
Parsimony reconstruction (Unordered) [Steps: 28]

1
2
3
4
5

Trace Character
13

Character: VNTR0424
Parsimony reconstruction
(Unordered) [Steps: 29]

- 0
- 1
- 2
- 3
- 4
- 5
- 6

Trace Character
14

Character: VNTR0577
Parsimony reconstruction
(Unordered) [Steps: 8]

- 2
- 3
- 4
- 5
- 6

Trace Character
15

Character: VNTR1955
Parsimony reconstruction
(Unordered) [Steps: 49]

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 8
- 9

Most parsimonious state(s)
3,4

Trace Character
16

Character: VNTR2163b
Parsimony reconstruction
(Unordered) [Steps: 48]

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

Trace Character
17

Character: VNTR2165
Parsimony reconstruction
(Unordered) [Steps: 33]

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

Trace Character
18

Character: VNTR2347
Parsimony reconstruction
(Unordered) [Steps: 6]

- 2
- 3
- 4
- 5

Trace Character
19

Character: VNTR2401
Parsimony reconstruction
(ordered) [Steps: 21]

- 1
- 2
- 3
- 4

Trace Character
20

Character: VNTR2461
Parsimony reconstruction
(Unordered) [Steps: 19]

- 1
- 2
- 3
- 4
- 5
- 6

Trace Character
21

Character: VNTR3171
Parsimony reconstruction
(Unordered) [Steps: 9]

- 1
- 2
- 3
- 4
- 5

Trace Character
22

Character: VNTR3690
Parsimony reconstruction
(Unordered) [Steps: 29]

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

Trace Character
23

Character: VNTR4052
Parsimony reconstruction
(Unordered) [Steps: 47]

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

Trace Character
24

Character: VNTR4156
Parsimony reconstruction
(Unordered) [Steps: 18]

- 1
- 2
- 3
- 4