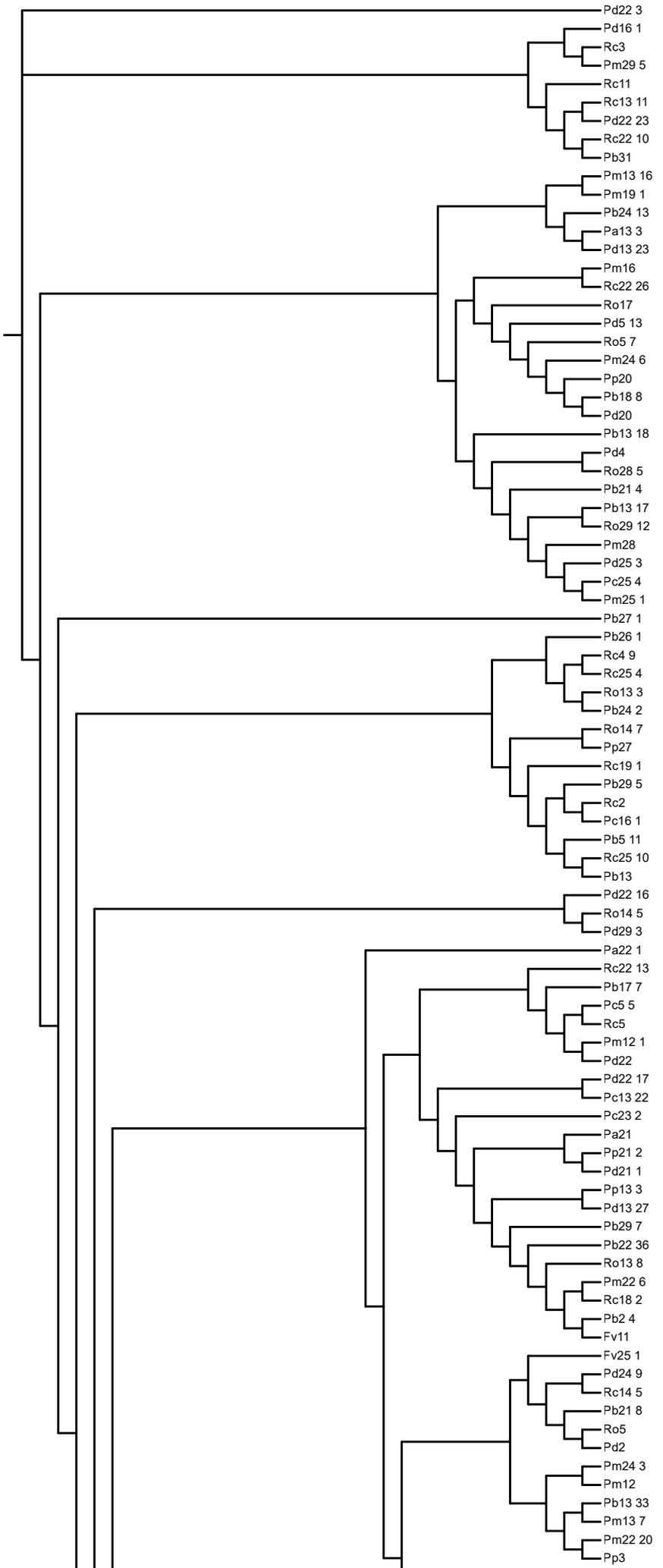
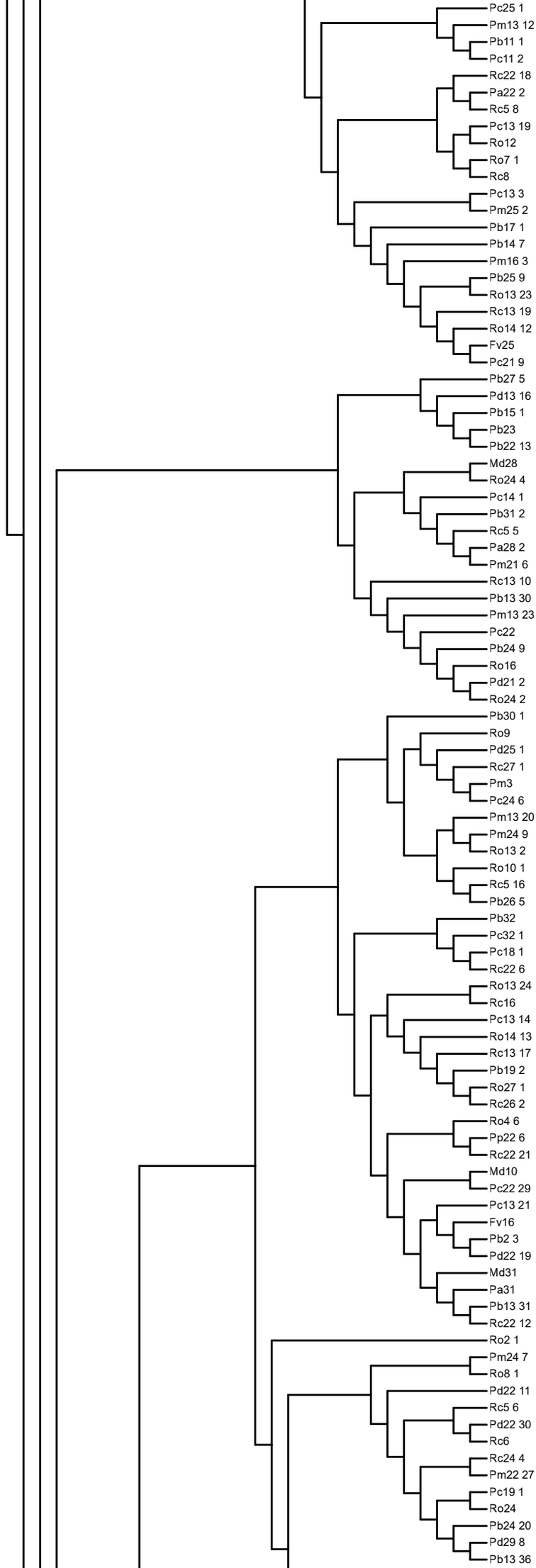
Supplementary File S1. Distance tree constructed using ADASS algorithm: Similar sequences clustered together. The genes have been named according to the syntelog group number.

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Ro14 12
Fv25
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Pb23
Pb22 13
Md28
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Pm21 6
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Ro13 24
Rc16
Pc13 14
Ro14 13
Rc13 17
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Md10
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Fv16
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Pa31
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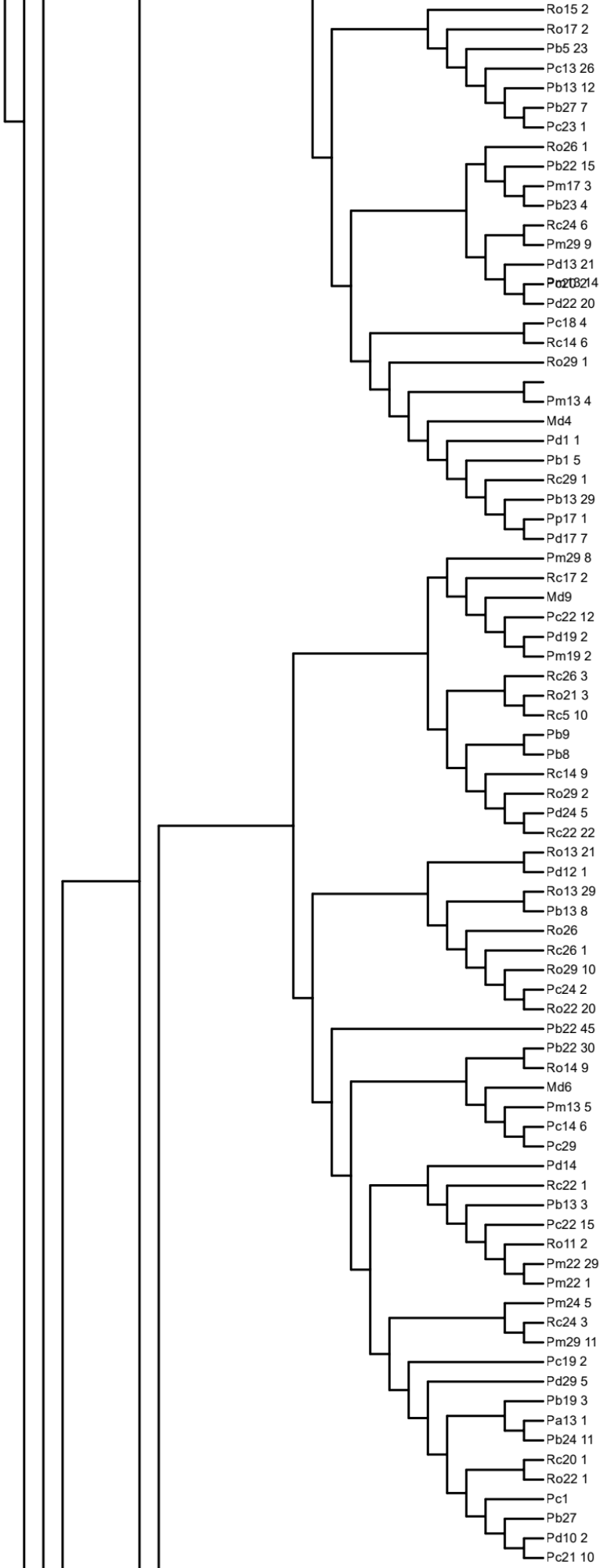
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Md4
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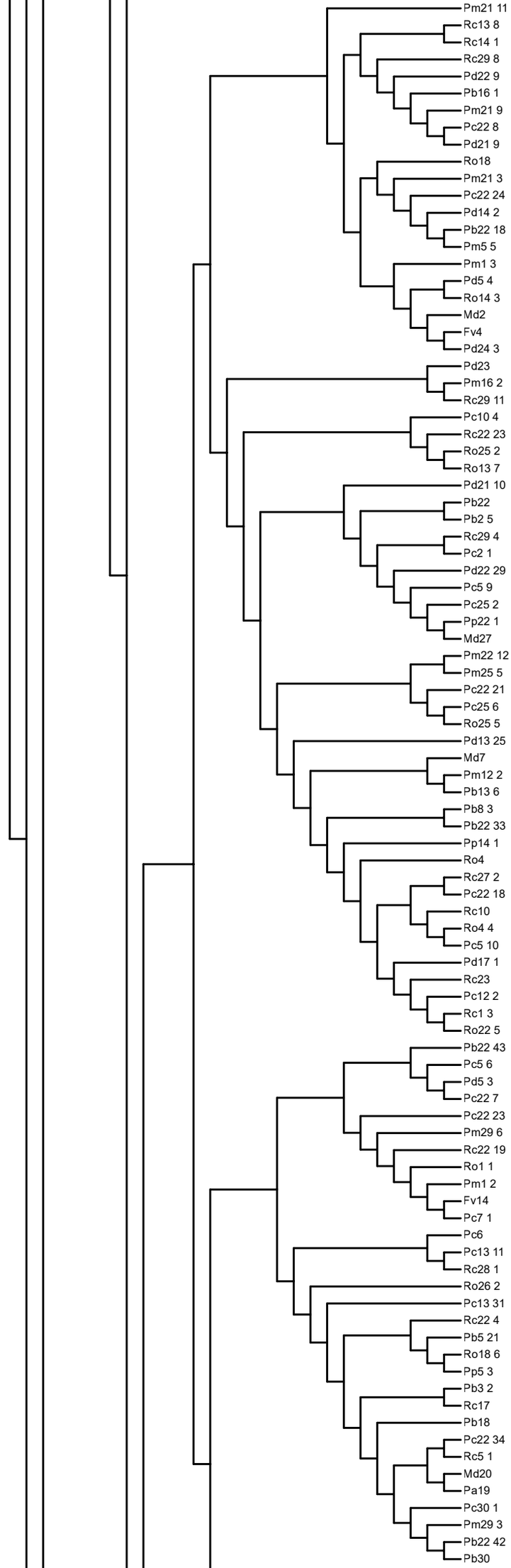
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Md2
Fv4
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Md7
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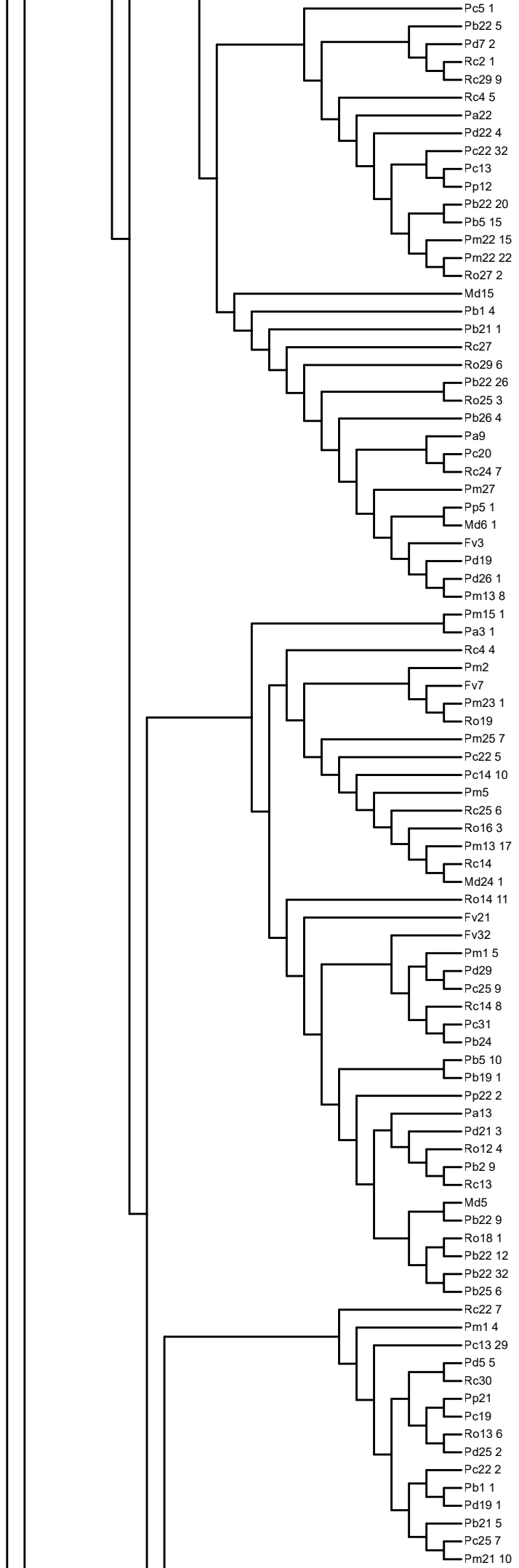
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Md15
Pb1 4
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Ro29 6
Pb22 26
Ro25 3
Pb26 4
Pa9
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Pc14 10
Pm5
Rc25 6
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Rc14
Md24 1
Ro14 11
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Pb2 9
Rc13
Md5
Pb22 9
Ro18 1
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Pd5 5
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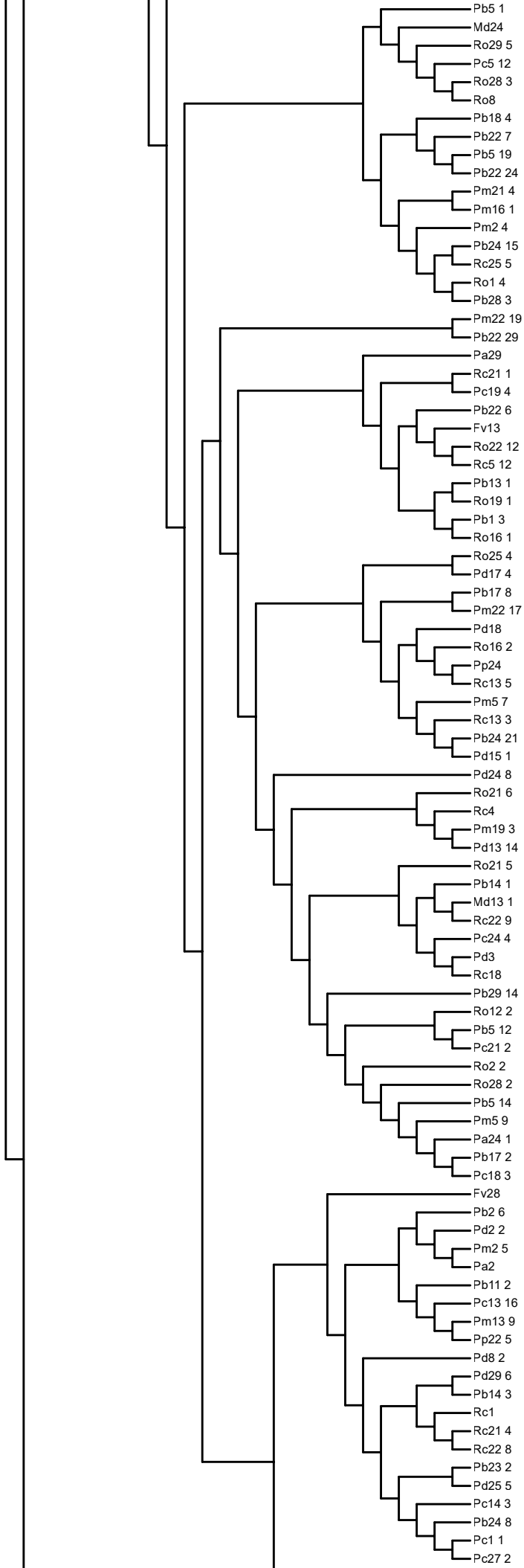
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Ro1 4
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Pa29
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Pc19 4
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Fv13
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Ro19 1
Pb1 3
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Pd18
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Pm5 7
Rc13 3
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Pd24 8
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Ro21 5
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Md13 1
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Pd8 2
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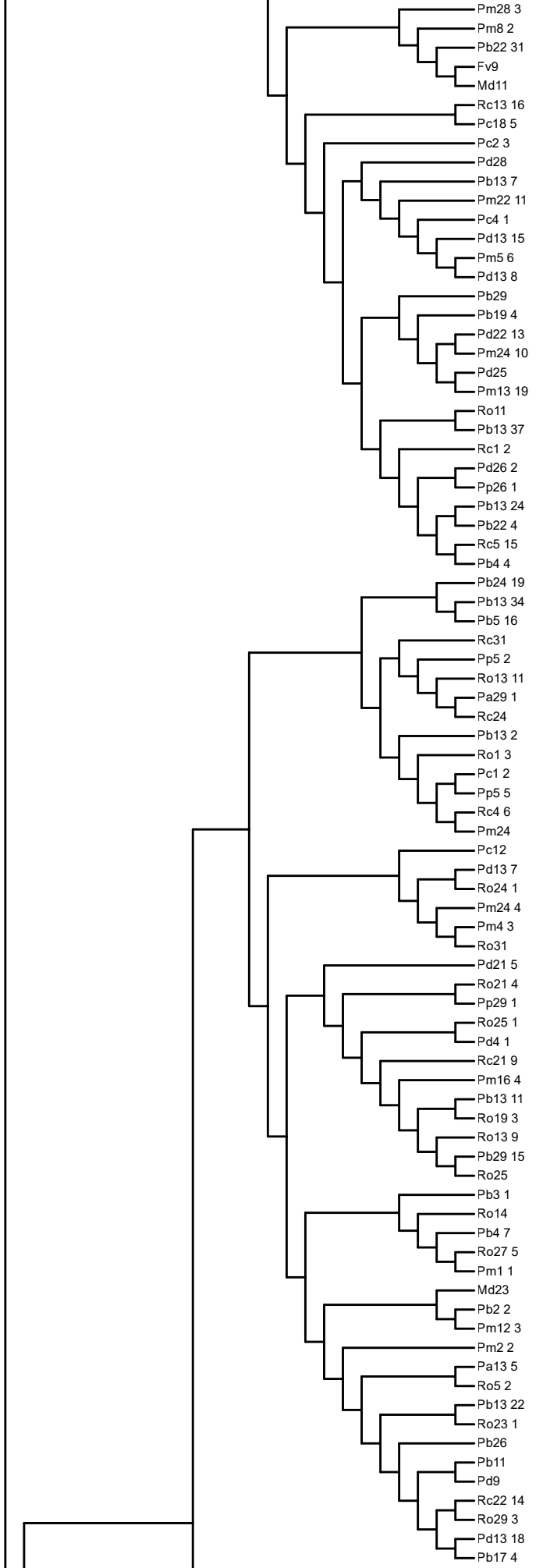
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Pm5 6
Pd13 8
Pb29
Pb19 4
Pd22 13
Pm24 10
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Pb4 4
Pb24 19
Pb13 34
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Rc31
Pp5 2
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Pb13 2
Ro1 3
Pc1 2
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Pc12
Pd13 7
Ro24 1
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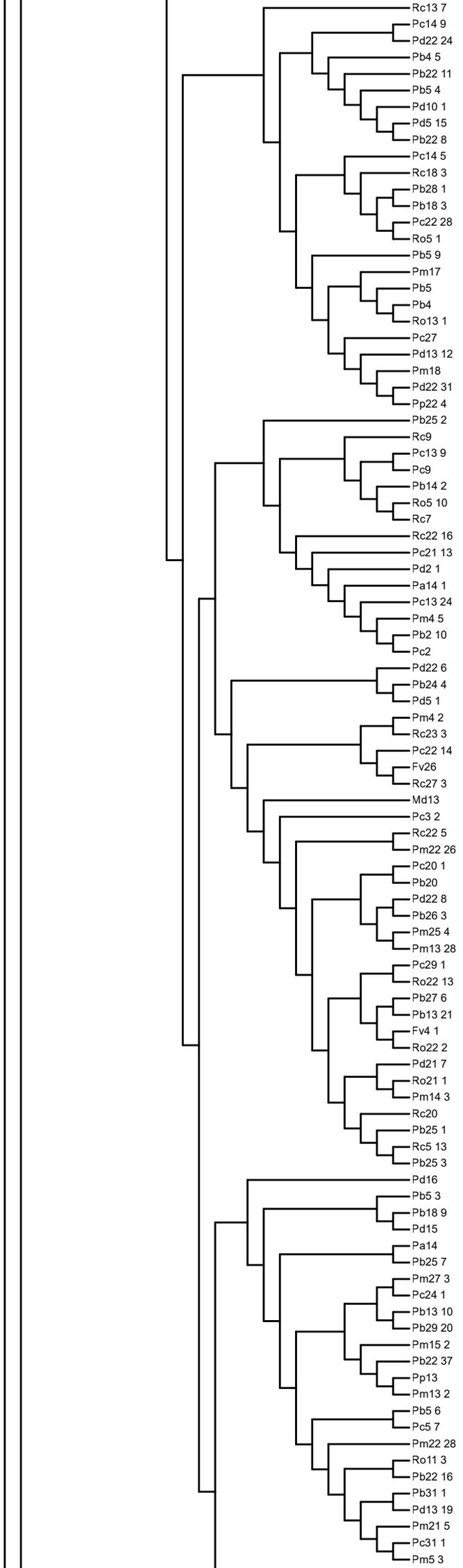
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Pb18 3
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Ro5 1
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Pm17
Pb5
Pb4
Ro13 1
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Pd13 12
Pm18
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Pc13 9
Pc9
Pb14 2
Ro5 10
Rc7
Rc22 16
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Pd2 1
Pa14 1
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Pm4 5
Pb2 10
Pc2
Pd22 6
Pb24 4
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Pp13
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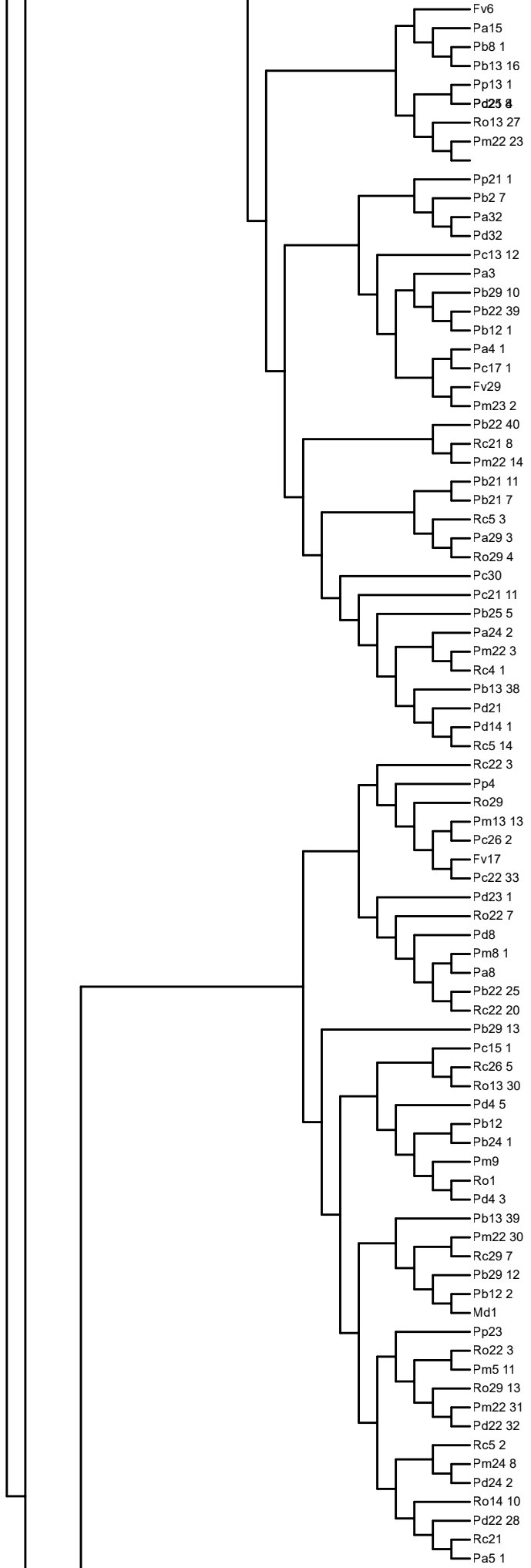
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Pa4 1
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Pb21 7
Rc5 3
Pa29 3
Ro29 4
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Pa24 2
Pm22 3
Rc4 1
Pb13 38
Pd21
Pd14 1
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Rc22 3
Pp4
Ro29
Pm13 13
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Pp23
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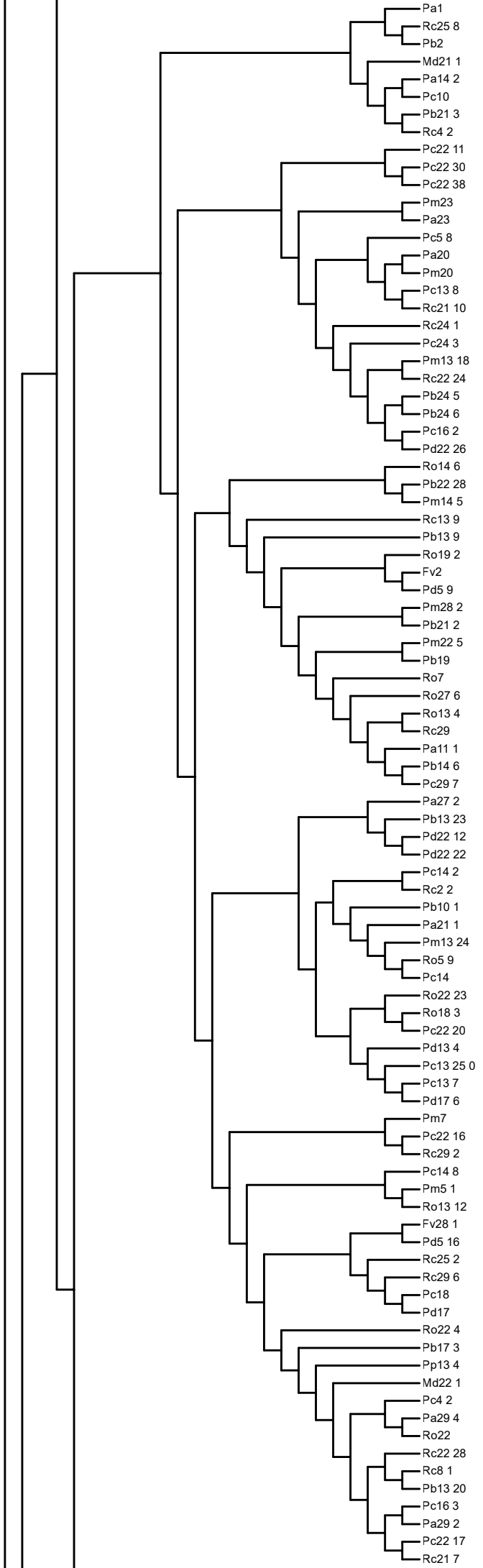
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Ro27 6
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Pa21 1
Pm13 24
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Pc14
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Fv28 1
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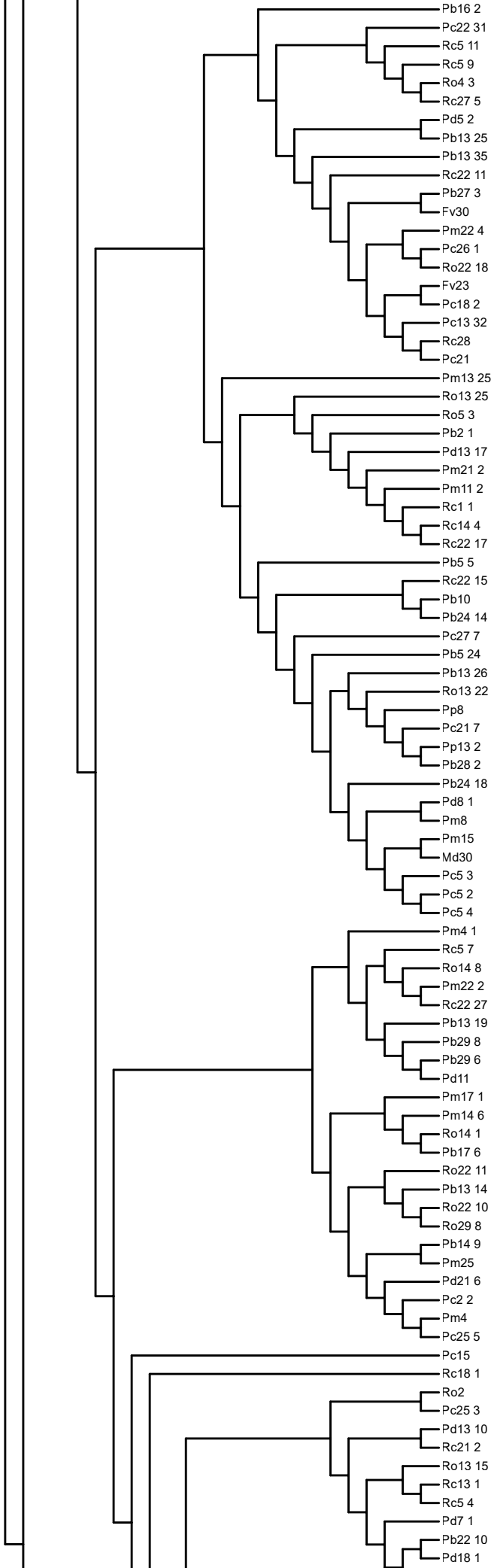
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Rc28
Pc21
Pm13 25
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Ro5 3
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Pb24 14
Pc27 7
Pb5 24
Pb13 26
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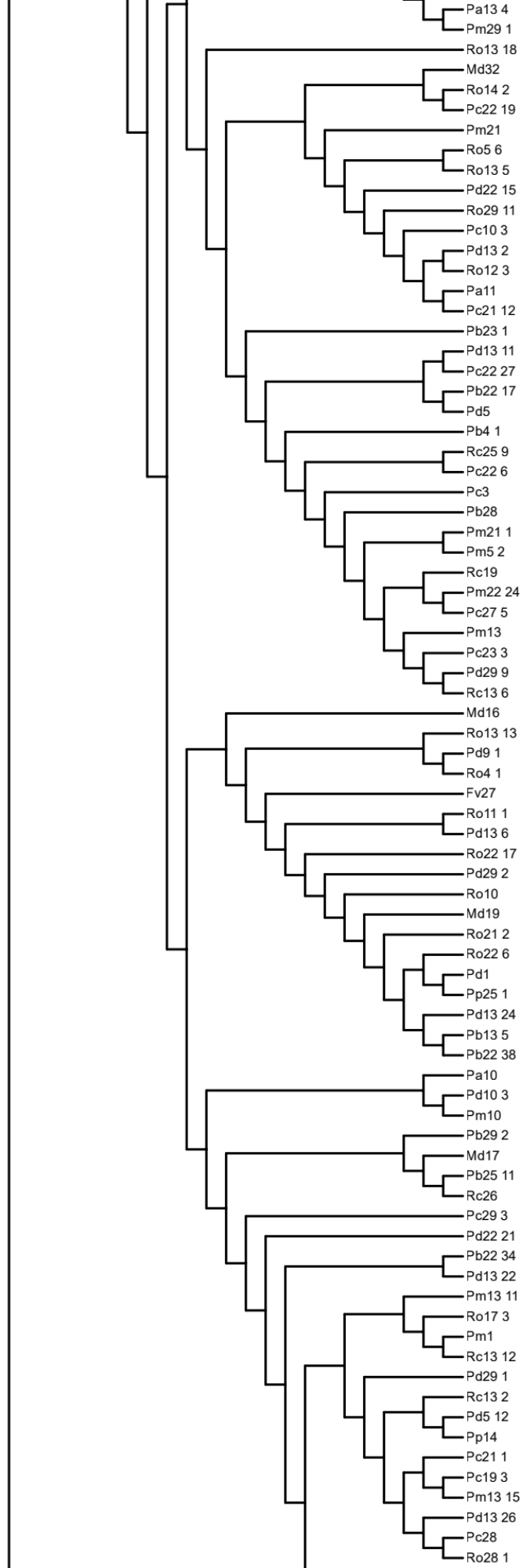
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Ro4 1
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Pd13 6
Ro22 17
Pd29 2
Ro10
Md19
Ro21 2
Ro22 6
Pd1
Pp25 1
Pd13 24
Pb13 5
Pb22 38
Pa10
Pd10 3
Pm10
Pb29 2
Md17
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Rc26
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Pb22 34
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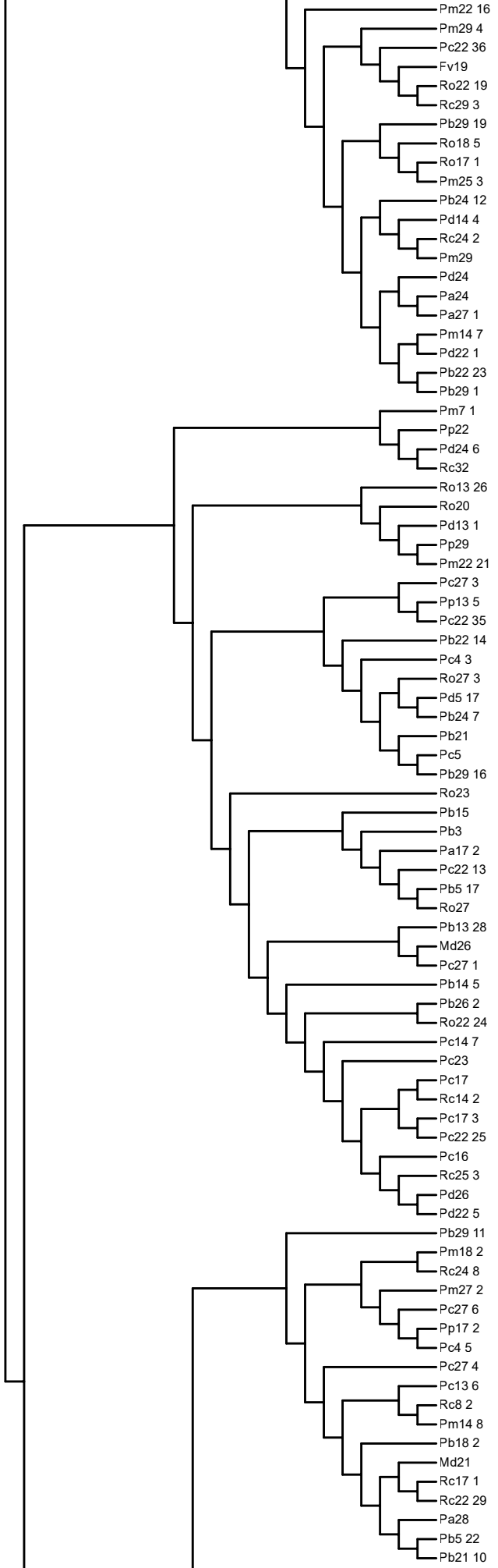
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Rc24 2
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Pd24
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Pc4 3
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Pb15
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Ro27
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Pb14 5
Pb26 2
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Pc14 7
Pc23
Pc17
Rc14 2
Pc17 3
Pc22 25
Pc16
Rc25 3
Pd26
Pd22 5
Pb29 11
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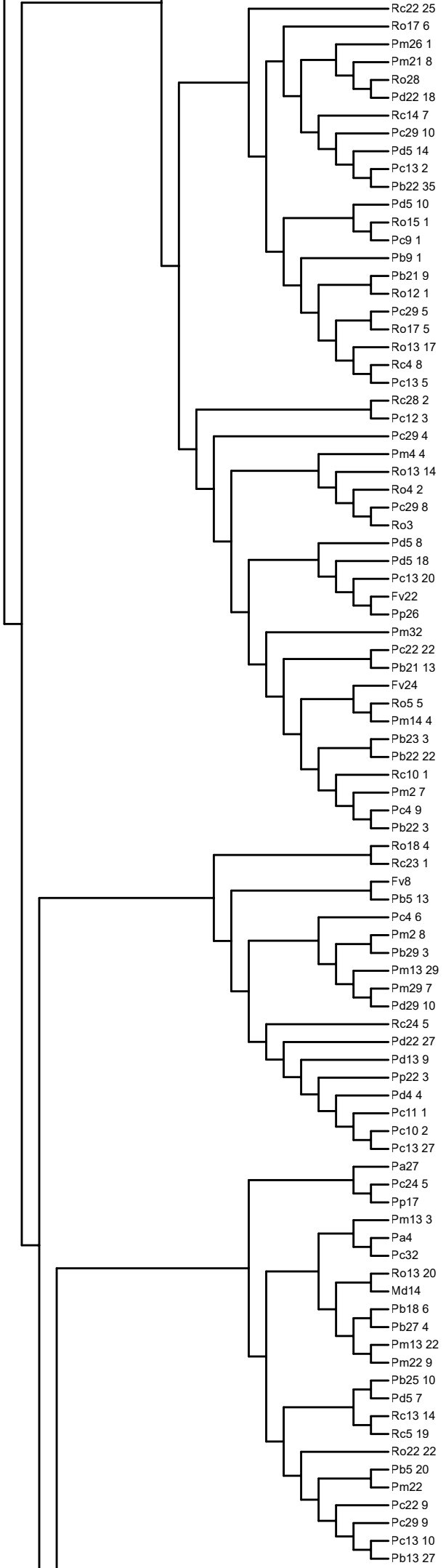
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Pb9 1
Pb21 9
Ro12 1
Pc29 5
Ro17 5
Ro13 17
Rc4 8
Pc13 5
Rc28 2
Pc12 3
Pc29 4
Pm4 4
Ro13 14
Ro4 2
Pc29 8
Ro3
Pd5 8
Pd5 18
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Fv22
Pp26
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Pc22 22
Pb21 13
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Rc23 1
Fv8
Pb5 13
Pc4 6
Pm2 8
Pb29 3
Pm13 29
Pm29 7
Pd29 10
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Pd22 27
Pd13 9
Pp22 3
Pd4 4
Pc11 1
Pc10 2
Pc13 27
Pa27
Pc24 5
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Pa4
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Ro13 20
Md14
Pb18 6
Pb27 4
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Pm22 9
Pb25 10
Pd5 7
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Ro22 22
Pb5 20
Pm22
Pc22 9
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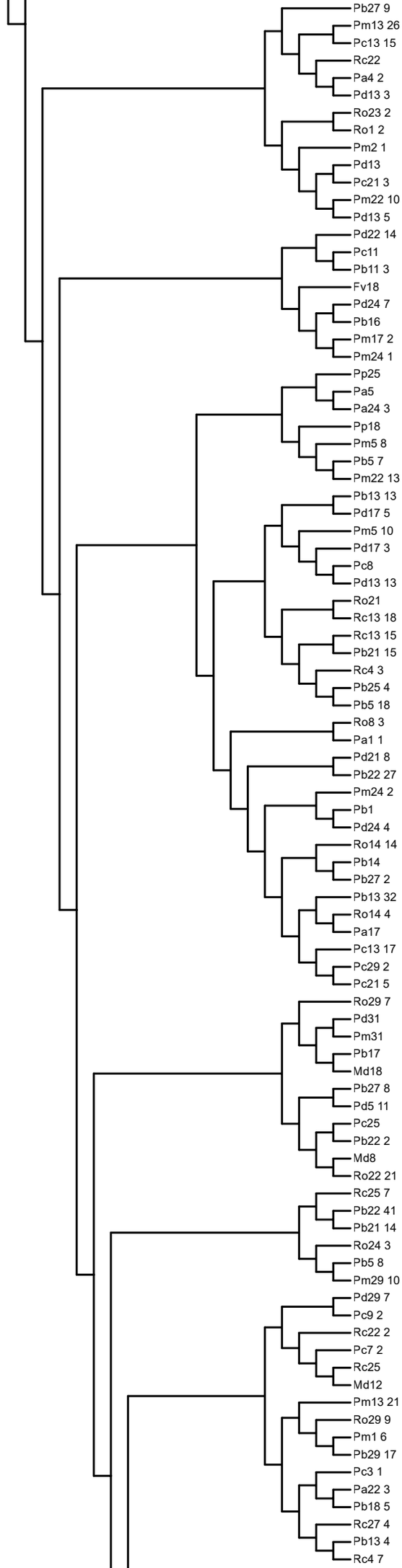
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Pa5
Pa24 3
Pp18
Pm5 8
Pb5 7
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Pd13 13
Ro21
Rc13 18
Rc13 15
Pb21 15
Rc4 3
Pb25 4
Pb5 18
Ro8 3
Pa1 1
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Pb22 27
Pm24 2
Pb1
Pd24 4
Ro14 14
Pb14
Pb27 2
Pb13 32
Ro14 4
Pa17
Pc13 17
Pc29 2
Pc21 5
Ro29 7
Pd31
Pm31
Pb17
Md18
Pb27 8
Pd5 11
Pc25
Pb22 2
Md8
Ro22 21
Rc25 7
Pb22 41
Pb21 14
Ro24 3
Pb5 8
Pm29 10
Pd29 7
Pc9 2
Rc22 2
Pc7 2
Rc25
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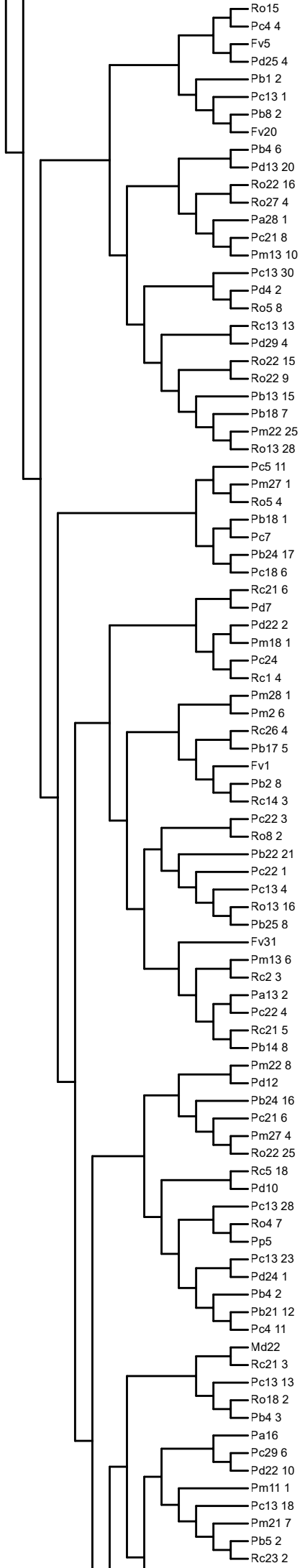
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Pm13 10
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Pd4 2
Ro5 8
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Pd29 4
Ro22 15
Ro22 9
Pb13 15
Pb18 7
Pm22 25
Ro13 28
Pc5 11
Pm27 1
Ro5 4
Pb18 1
Pc7
Pb24 17
Pc18 6
Rc21 6
Pd7
Pd22 2
Pm18 1
Pc24
Rc1 4
Pm28 1
Pm2 6
Rc26 4
Pb17 5
Fv1
Pb2 8
Rc14 3
Pc22 3
Ro8 2
Pb22 21
Pc22 1
Pc13 4
Ro13 16
Pb25 8
Fv31
Pm13 6
Rc2 3
Pa13 2
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Pb14 8
Pm22 8
Pd12
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Pc21 6
Pm27 4
Ro22 25
Rc5 18
Pd10
Pc13 28
Ro4 7
Pp5
Pc13 23
Pd24 1
Pb4 2
Pb21 12
Pc4 11
Md22
Rc21 3
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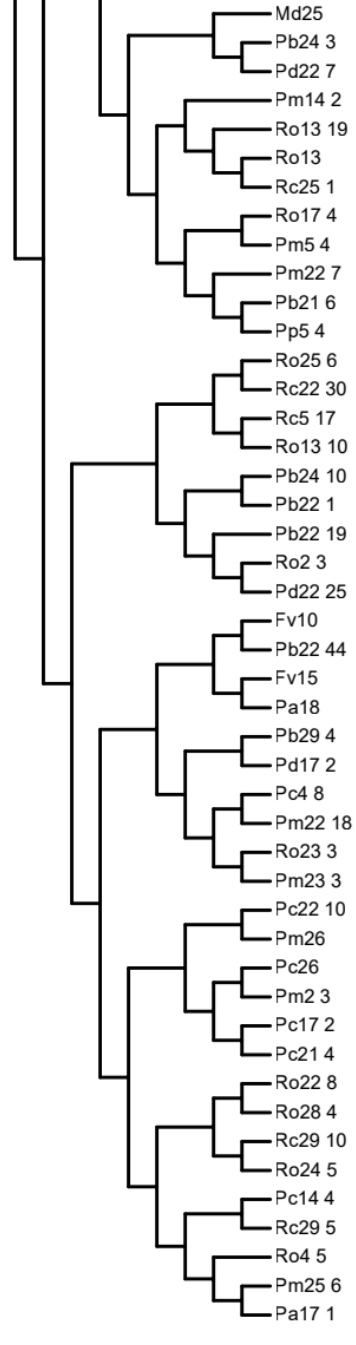
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Ro25 6
Rc22 30
Rc5 17
Ro13 10
Pb24 10
Pb22 1
Pb22 19
Ro2 3
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Fv10
Pb22 44
Fv15
Pa18
Pb29 4
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Pc4 8
Pm22 18
Ro23 3
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Pm26
Pc26
Pm2 3
Pc17 2
Pc21 4
Ro22 8
Ro28 4
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Ro24 5
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Pm25 6
Pa17 1