

Chr23

0.0

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6.5

10.7

13.2

15.3

15.7

16.3

17.9

22.4

25.0

27.2

28.9

30.1

30.6

31.1

31.9

33.7

34.3

34.7

35.2

35.7

36.4

37.3

37.9

38.1

38.3

38.5

38.7

39.4

39.9

41.1

41.9

43.0

46.0

47.6

50.3

52.0

53.8

60.7

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62.6

63.1

64.1

65.1

66.2

68.0

68.9

69.4

69.7

70.1

71.2

72.0

73.6

75.8

76.5

77.6

78.0

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79.4

79.6

81.3

83.4

84.3

86.5

90.1

92.0

96.9

98.1

98.7

100.5

102.2

104.3

107.9

108.2

111.0

112.8

115.3

119.4

124.2

128.0

131.9

136.6

142.0

HAU1782

HAU2583b

HAU2583a

HAU1390

JESPR230

BNL3627

HAU1308

CIR343

HAU2293

HAU1749

HAU1547

NAU3769

BNL2527

TMB1717

NAU3324a

CM43

CS101

TMB0029b*

MUSS136

DPL0030

HAU1632

MUSB0662

HAU0672a

NAU3207a

NAU2086b

NAU2914b

BNL387

MUSC148

BNL3792

CIR209

HAU3346b

BNL1664

Gh532*

NAU1288a

NAU3668b

MUSB0818b

HAU2756

Gh634

Gh390

HAU0356

BNL2993

CIR278**

HAU3349

TMB2107

TMB2103

HAU2640b

DPL0176

TMB1675

JESPR46

HAU3211

NAU3605b

TMB2279

BNL1044

TMB0834b

HAU3964

HAU0690

NAU3201a

BNL3255

NAU2887

HAU0333

HAU2585

HAU1639a

GA3-hydroxylase1

NAU4900

HAU1739b

HAU0964*

CIR237

HAU1369

TMB2899

HAU3558

JESPR66

NAU5357

TMB1702

NAU5129

HAU2407

TMB2781

HAU2876

BNL2772

NAU5368

JESPR232

HAU1181

NAU3010b

MUSB0812

CIR244

NAU3482

2.3

2.3

3.4

3.7

7.7

11.0

13.6

16.3

17.4

18.4

19.0

19.5

20.1

20.9

22.4

23.8

24.4

24.8

26.0

26.9

27.8

28.2

28.4

28.6

29.4

30.0

30.6

30.8

31.2

31.4

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31.9

32.4

32.8

33.0

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38.5

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40.2

44.1

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45.9

46.0

46.2

46.4

46.7

48.0

48.1

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49.6

50.1

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72.8

74.4

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79.9

81.6

82.3

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99.7

103.1

109.8

111.6

111.9

113.2

120.6

122.9

132.9

135.1

137.7

146.0

162.4

JESPR303

Gh146*****

Gh237a*****

CIR289

NAU2631

NAU5379*

NAU3667

NAU3771*

MGHES22*

STV025*

NAU2230

BNL2582*

BNL252

Gh573a*

NAU6616*

HAU1533

HAU6389

BNL3604

NAU3954

NAU2926

Gh465

JESPR127

MUSS2555

HAU1288b

NAU2619*

NAU3207b

HAU1905

NAU2731

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NAU3988

DPL0231

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NAU2240

HAU2522

NAU2914a

BNL2655

BNL2499

BNL2568

Gh128

HAU3346a

Gh171

NAU6213

HAU2086a

HAU0722

DPL0534

BNL1639

HAU2640a

NAU3708

TMB0072

DPL0191

NAU3071

NAU2434

HAU1846

NAU3804

BNL2616

NAU2169

HAU2015

MUSC1313

HAU3499

HAU3293

JESPR78

HAU3247

NAU3605a

BNL3638

NAU3562*

JESPR305*

HAU3721

Gh597

BNL1521*

HAU2738

HAU1639b

NAU3201b*

NAU2439*

MUSS2550*

NAU3324b

HAU3773

NAU3668a

HAU3424b

HAU1739a*

NAU3904

NAU3242c**

TMB2386b*

DPL0068

HAU1432

JESPR70

DPL0461

BNL1513

BNL2835

NAU3158a

NAU2602*

NAU5129

MGHES29

HAU0761

JESPR157

JESPR308

JESPR302

NAU3287

NAU4091*****

HAU1567

CIR388

CIR026

Gh325

NAU3010a

Gh310

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3.4

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13.6

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14.4

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32.3

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38.8

39.4

41.1

43.5

44.2

44.5

44.7

45.0

45.8

47.2

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51.9

53.1

55.7

58.3

60.5

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67.2

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71.8

73.8

78.5

80.6

81.1

83.8

86.8

90.2

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97.6

100.0

101.8

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106.8

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124.2

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126.0

126.7

130.9

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156.7

161.8

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168.8

173.6

187.0

NAU5468

DPL0222

HAU2496a

STV164a

NAU3888a

BNL1670a

Gh486b

TMB0991

Gh499b*

Gh539

DPL0679

DPL0618

DPL0659

DPL0854

Gh098

BNL1162

NAU2575b

MUSB0907

Gh027

DPL0550

Gh111b

Gh112b

Gh584

HAU2780*

NAU2739a

NAU3194a

HAU2083

HAU5017

TMB2920

MUSS87

NAU3439*

HAU2067a

BNL3779

BNL3031

BNL1672b

HAU0361*****

MUSB0818a*

MUSS547

HAU1966

HAU0253

HAU1835

BNL3410b

Gh118

NAU3967b

Gh495

NAU3358

HAU2146a

HAU3109

HAU3027

Gh484

DPL0850

TMB2551

TMB2483a

JESPR248

MUSS397

Gh247b

BNL1317

BNL219

MGHES73

MGHES70

HAU3150

JESPR208

CM71

BNL1414

BNL1030

JESPR290

BNL1043

BNL4028

HAU5454

NAU2827

BNL2590

HAU1683

BNL274

NAU3414

MUSS022

DPL0395

BNL4099

HAU0085

HAU0583

BNL2750

DPL0541

HAU2852

Gh416

Gh662

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174.5

NAU3868a

HAU2382

NAU2771

CIR286

BNL1686

NAU3100

NAU3972

NAU5508

MUSB1040

STV164b

HAU2496b

NAU3888b

TMB2354

NAU3159

TMB0157

NAU6700

TMB1769***

BNL2690

MGHES11b

NAU3732

TMB109

TMB1700

NAU6136

Gh302

DPL0079*

NAU6701

NAU2964

NAU6130

NAU6138

TMB2862

CIR060

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NAU6323

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JESPR274

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HAU1933

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JESPR151

NAU2575a

Gh443a

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NAU2753

NAU6581

NAU4079

BNL3511

BNL1672a

NAU3763

NAU2567

HAU1918b

HAU2893

BNL2977

BNL3410a

TMB0913

NAU3967a

DPL0378

BNL1579

Gh498c*

HAU2140

DPL012

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BNL1648

HAU2553

TMB1758

Gh247a

HAU2224

NAU2954

HAU0261

CM7

HAU1572

HAU2158

NAU5494

DPL0262

BNL2608

DPL0307

DPL0218

NAU3966*****

HAU2517

HAU3241***

NAU3655*****

NAU2591

MUSS298

NAU2873

MUSC5006

NAU2689

BNL597

NAU2722

BNL4053

BNL3985

HAU1165

BNL3173

JESPR95

MUSS151