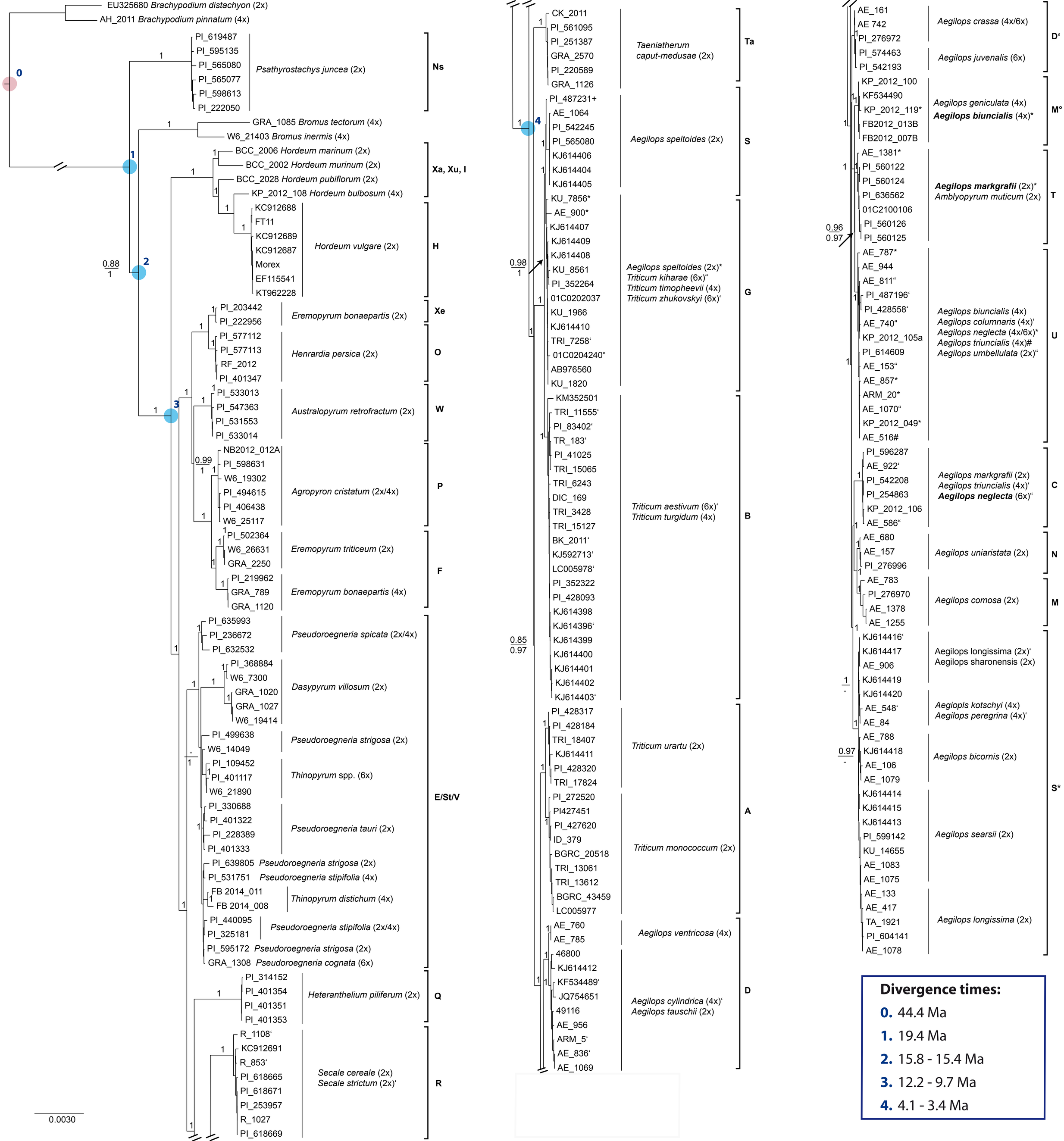
EU325680 Brachypodium distachyon (2x)
AH_2011 Brachypodium pinnatum (4x)
PI_619487
PI_595135
PI_565080
PI_565077
PI_598613
PI_222050
Psathyrostachys juncea (2x)
Ns
GRA_1085 Bromus tectorum (4x)
W6_21403 Bromus inermis (4x)
BCC_2006 Hordeum marinum (2x)
BCC_2002 Hordeum murinum (2x)
BCC_2028 Hordeum pubiflorum (2x)
KP_2012_108 Hordeum bulbosum (4x)
Xa, Xu, I
KC912688
FT11
KC912689
KC912687
Morex
EF115541
KT962228
Hordeum vulgare (2x)
H
PI_203442
PI_222956
Eremopyrum bonaepartis (2x)
Xe
PI_577112
PI_577113
RF_2012
PI_401347
Henrardia persica (2x)
O
PI_533013
PI_547363
PI_531553
PI_533014
Australopyrum retrofractum (2x)
W
NB2012_012A
PI_598631
W6_19302
PI_494615
PI_406438
W6_25117
Agropyron cristatum (2x/4x)
P
PI_502364
W6_26631
GRA_2250
Eremopyrum triticeum (2x)
PI_219962
GRA_789
GRA_1120
Eremopyrum bonaepartis (4x)
F
PI_635993
PI_236672
PI_632532
Pseudoroegneria spicata (2x/4x)
PI_368884
W6_7300
GRA_1020
GRA_1027
W6_19414
Dasypyrum villosum (2x)
PI_499638
W6_14049
Pseudoroegneria strigosa (2x)
PI_109452
PI_401117
W6_21890
Thinopyrum spp. (6x)
PI_330688
PI_401322
PI_228389
PI_401333
Pseudoroegneria tauri (2x)
PI_639805 Pseudoroegneria strigosa (2x)
PI_531751 Pseudoroegneria stipifolia (4x)
FB 2014_011
FB 2014_008
Thinopyrum distichum (4x)
PI_440095
PI_325181
Pseudoroegneria stipifolia (2x/4x)
PI_595172 Pseudoroegneria strigosa (2x)
GRA_1308 Pseudoroegneria cognata (6x)
E/St/V
PI_314152
PI_401354
PI_401351
PI_401353
Heteranthelium piliferum (2x)
Q
R_1108'
KC912691
R_853'
PI_618665
PI_618671
PI_253957
R_1027
PI_618669
Secale cereale (2x)
Secale strictum (2x)'
R
0.0030
CK_2011
PI_561095
PI_251387
GRA_2570
PI_220589
GRA_1126
Taeniatherum caput-medusae (2x)
Ta
PI_487231+
AE_1064
PI_542245
PI_565080
KJ614406
KJ614404
KJ614405
Aegilops speltoides (2x)
S
KU_7856*
AE_900*
KJ614407
KJ614409
KJ614408
KU_8561
PI_352264
01C0202037
KU_1966
KJ614410
TRI_7258'
01C0204240"
AB976560
KU_1820
Aegilops speltoides (2x)*
Triticum kiharae (6x)"
Triticum timopheevii (4x)
Triticum zhukovskyi (6x)'
G
KM352501
TRI_11555'
PI_83402'
TR_183'
PI_41025
TRI_15065
TRI_6243
DIC_169
TRI_3428
TRI_15127
BK_2011'
KJ592713'
LC005978'
PI_352322
PI_428093
KJ614398
KJ614396'
KJ614399
KJ614400
KJ614401
KJ614402
KJ614403'
Triticum aestivum (6x)'
Triticum turgidum (4x)
B
PI_428317
PI_428184
TRI_18407
KJ614411
PI_428320
TRI_17824
Triticum urartu (2x)
PI_272520
PI427451
PI_427620
ID_379
BGRC_20518
TRI_13061
TRI_13612
BGRC_43459
LC005977
Triticum monococcum (2x)
A
AE_760
AE_785
Aegilops ventricosa (4x)
46800
KJ614412
KF534489'
JQ754651
49116
AE_956
ARM_5'
AE_836'
AE_1069
Aegilops cylindrica (4x)'
Aegilops tauschii (2x)
D
AE_161
AE 742
PI_276972
PI_574463
PI_542193
Aegilops crassa (4x/6x)
Aegilops juvenalis (6x)
D'
KP_2012_100
KF534490
KP_2012_119*
FB2012_013B
FB2012_007B
Aegilops geniculata (4x)
Aegilops biuncialis (4x)*
M°
AE_1381*
PI_560122
PI_560124
PI_636562
01C2100106
PI_560126
PI_560125
Aegilops markgrafii (2x)*
Amblyopyrum muticum (2x)
T
AE_787*
AE_944
AE_811"
PI_487196'
PI_428558'
AE_740"
KP_2012_105a
PI_614609
AE_153"
AE_857*
ARM_20*
AE_1070"
KP_2012_049*
AE_516#
Aegilops biuncialis (4x)
Aegilops columnaris (4x)'
Aegilops neglecta (4x/6x)*
Aegilops triuncialis (4x)#
Aegilops umbellulata (2x)"
U
PI_596287
AE_922'
PI_542208
PI_254863
KP_2012_106
AE_586"
Aegilops markgrafii (2x)
Aegilops triuncialis (4x)'
Aegilops neglecta (6x)"
C
AE_680
AE_157
PI_276996
Aegilops uniaristata (2x)
N
AE_783
PI_276970
AE_1378
AE_1255
Aegilops comosa (2x)
M
KJ614416'
KJ614417
AE_906
KJ614419
KJ614420
AE_548'
AE_84
Aegilops longissima (2x)'
Aegilops sharonensis (2x)
Aegiopls kotschyi (4x)
Aegilops peregrina (4x)'
AE_788
KJ614418
AE_106
AE_1079
Aegilops bicornis (2x)
KJ614414
KJ614415
KJ614413
PI_599142
KU_14655
AE_1083
AE_1075
Aegilops searsii (2x)
AE_133
AE_417
TA_1921
PI_604141
AE_1078
Aegilops longissima (2x)
S*
Divergence times:
0. 44.4 Ma
1. 19.4 Ma
2. 15.8 - 15.4 Ma
3. 12.2 - 9.7 Ma
4. 4.1 - 3.4 Ma