

RÅFILA FRA ANALYSE:

1; -52209.50397; 0.00000; -52240.01742; 30.51346; 0.00000; 0;

[0.029287949259246354]((((Secale339:0.00809546731322765:0.03203510185564709,((((T_monococcum_a10:6.455180397155074E-5:0.16667357869818286,T_urartu290:6.455180397155074E-5:0.06555114790530336):3.511964707433766E-5:0.05177625142385067,T_monococcum_m331:9.96714510458884E-5:0.25302246026213554):0.005920303225309385:0.00631327326974467,A_muticum133:0.006019974676355273:0.20278355070462742):5.203664162676423E-4:0.04582061314449317,T_caputmedusae91:0.006540341092622915:0.05739419937510965):6.826774852505884E-4:0.0409935769402713,(Ae_speltoides_l38:2.3795563497046584E-4:0.07734446770797214,Ae_speltoides_98:2.3795563497046584E-4:0.07318066324839093):0.006985062942903038:0.0156949453084416):8.72448735354147E-4:0.19705069269849929):0.002091885979497268:0.24547020227268818,Agropyron72:0.010187353292724919:0.0846921723819346):6.621690453308005E-4:0.16123430576491354,Hordeum222:0.01084952233805572:0.12648537908319965):0.10318063754593416:0.07951153707504217,Brachypodium4:0.11403015988398989:0.08366865837759752);

2; -52192.60694; 0.00000; -52221.34757; 28.74064; 0.00000; 0;

[0.02607250804395928]((((A_muticum133:0.006900715019861484:0.01630562469005771,((T_urartu290:2.1753061789724938E-5:0.14244994981261183,T_monococcum_m331:2.1753061789724938E-5:0.22524383909891577):4.8992636678561944E-5:0.04609188303985548,T_monococcum_a10:7.074569846828689E-5:0.14837495731975583):0.006829969321393197:0.005620156831471054):2.882145276475751E-4:0.040790097463440006,T_caputmedusae91:0.007188929547509059:0.10079991805094149):6.294446318222541E-4:0.03649300792845575,(Ae_speltoides_98:3.076543423825493E-4:0.2227412046579656,Ae_speltoides_l38:3.076543423825493E-4:0.028833368624944927):0.007510719836948764:0.013971841598798725):1.835583001240492E-4:0.028458218629482827,Secale339:0.008001932479455362:0.17921896482610064):0.0033717217207139324:0.2185207221801797,(Hordeum222:0.007172461370502953:0.11259890661511004,Agropyron72:0.007172461370502953:0.07539405801829077):0.004201192829666342:0.1605738522547356):0.10718992048044707:0.07078219002725589,Brachypodium4:0.11856357468061636:0.19698531256511842);

3; -52204.60909; 0.00000; -52226.64324; 22.03415; 0.00000; 0;

[0.029684174105737756]((((Ae_speltoides_98:3.911694876536364E-4:0.2535961898426079,Ae_speltoides_l38:3.911694876536364E-4:0.03282747992155989):0.007377823403628898:0.015907275889885945,((((T_monococcum_m331:4.7235240661554174E-6:0.03951215112600869,T_monococcum_a10:4.7235240661554174E-

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42084);

... osv

ETTER FØRSTE EDIT (ARNULF):

1; -52209.50397; 0.00000; -52240.01742; 30.51346; 0.00000; 0;

[0.029287949259246354]((((Secale339[&popsiz=0.03203510185564709]:0.00809546731322765,((((T_
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5)[&popsiz=0.05177625142385067]:3.511964707433766E-
5,T_monococcum_m331[&popsiz=0.25302246026213554]:9.96714510458884E-
5)[&popsiz=0.00631327326974467]:0.005920303225309385,A_muticum133[&popsiz=0.2027835507
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4,Ae_speltoides_98[&popsiz=0.07318066324839093]:2.3795563497046584E-
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4)[&popsiz=0.24547020227268818]:0.002091885979497268,Agropyron72[&popsiz=0.084692172381
9346]:0.010187353292724919)[&popsiz=0.16123430576491354]:6.621690453308005E-
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4217]:0.10318063754593416,Brachypodium4[&popsiz=0.08366865837759752]:0.11403015988398989
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2; -52192.60694; 0.00000; -52221.34757; 28.74064; 0.00000; 0;

[0.02607250804395928]((((A_muticum133[&popsiz=0.01630562469005771]:0.006900715019861484
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5,T_monococcum_m331[&popsiz=0.22524383909891577]:2.1753061789724938E-

5)[&popsiz=0.04609188303985548]:4.8992636678561944E-
5,T_monococcum_a10[&popsiz=0.14837495731975583]:7.074569846828689E-
5)[&popsiz=0.005620156831471054]:0.006829969321393197)[&popsiz=0.040790097463440006]:2.8
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4,T_caputmedusae91[&popsiz=0.10079991805094149]:0.007188929547509059)[&popsiz=0.0364930
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4,Ae_speltoides_138[&popsiz=0.028833368624944927]:3.076543423825493E-
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Agropyron72[&popsiz=0.07539405801829077]:0.007172461370502953)[&popsiz=0.16057385225473
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3; -52204.60909; 0.00000; -52226.64324; 22.03415; 0.00000; 0;

[0.029684174105737756]((((Ae_speltoides_98[&popsiz=0.2535961898426079]:3.911694876536364E-
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6,T_monococcum_a10[&popsiz=0.16892843828392226]:4.7235240661554174E-
6)[&popsiz=0.05247671143526097]:8.532827512399982E-
5,T_urartu290[&popsiz=0.1453960848300199]:9.005179919015524E-
5)[&popsiz=0.006398682996114405]:0.006927691673783394,A_muticum133[&popsiz=0.019380249
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4,T_caputmedusae91[&popsiz=0.128566790876458]:0.00736307057947032)[&popsiz=0.0415481624
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6]:0.003262865572814763,(Agropyron72[&popsiz=0.15662285193730868]:0.009866757559177415,H
ordeum222[&popsiz=0.0771406511244119]:0.009866757559177415)[&popsiz=0.336996287303274
97]:0.0015887457336045494)[&popsiz=0.08058721657356181]:0.10703852262939009,Brachypodium
4[&popsiz=0.017307230146442084]:0.11849402592217205);

ETTER ANDRE EDIT (MITT SNEGLESRIPT I R):

#NEXUS

Begin trees;

```
tree STATE_0 [&lnP=-52240.02,posterior=-52209.5] = [&R]
((((Secale339[&popsiz=0.03203510185564709]:0.00809546731322765,((((T_monococcum_a10[&pops
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5,T_urartu290[&popsiz=0.06555114790530336]:6.455180397155074E-
5)[&popsiz=0.05177625142385067]:3.511964707433766E-
5,T_monococcum_m331[&popsiz=0.25302246026213554]:9.96714510458884E-
5)[&popsiz=0.00631327326974467]:0.005920303225309385,A_muticum133[&popsiz=0.2027835507
0462742]:0.006019974676355273)[&popsiz=0.04582061314449317]:5.203664162676423E-
4,T_caputmedusae91[&popsiz=0.05739419937510965]:0.006540341092622915)[&popsiz=0.0409935
769402713]:6.826774852505884E-
4,(Ae_speltoides_l38[&popsiz=0.07734446770797214]:2.3795563497046584E-
4,Ae_speltoides_98[&popsiz=0.07318066324839093]:2.3795563497046584E-
4)[&popsiz=0.0156949453084416]:0.006985062942903038)[&popsiz=0.19705069269849929]:8.7244
8735354147E-
4)[&popsiz=0.24547020227268818]:0.002091885979497268,Agropyron72[&popsiz=0.084692172381
9346]:0.010187353292724919)[&popsiz=0.16123430576491354]:6.621690453308005E-
4,Hordeum222[&popsiz=0.12648537908319965]:0.01084952233805572)[&popsiz=0.0795115370750
4217]:0.10318063754593416,Brachypodium4[&popsiz=0.08366865837759752]:0.11403015988398989
);
```

```
tree STATE_1 [&lnP=-52240.02,posterior=-52209.5] = [&R]
((((Secale339[&popsiz=0.03203510185564709]:0.00809546731322765,((((T_monococcum_a10[&pops
ize=0.16667357869818286]:6.455180397155074E-
5,T_urartu290[&popsiz=0.06555114790530336]:6.455180397155074E-
5)[&popsiz=0.05177625142385067]:3.511964707433766E-
5,T_monococcum_m331[&popsiz=0.25302246026213554]:9.96714510458884E-
5)[&popsiz=0.00631327326974467]:0.005920303225309385,A_muticum133[&popsiz=0.2027835507
0462742]:0.006019974676355273)[&popsiz=0.04582061314449317]:5.203664162676423E-
4,T_caputmedusae91[&popsiz=0.05739419937510965]:0.006540341092622915)[&popsiz=0.0409935
769402713]:6.826774852505884E-
4,(Ae_speltoides_l38[&popsiz=0.07734446770797214]:2.3795563497046584E-
4,Ae_speltoides_98[&popsiz=0.07318066324839093]:2.3795563497046584E-
4)[&popsiz=0.0156949453084416]:0.006985062942903038)[&popsiz=0.19705069269849929]:8.7244
8735354147E-
4)[&popsiz=0.24547020227268818]:0.002091885979497268,Agropyron72[&popsiz=0.084692172381
9346]:0.010187353292724919)[&popsiz=0.16123430576491354]:6.621690453308005E-
4,Hordeum222[&popsiz=0.12648537908319965]:0.01084952233805572)[&popsiz=0.0795115370750
4217]:0.10318063754593416,Brachypodium4[&popsiz=0.08366865837759752]:0.11403015988398989
);
```

```
tree STATE_2 [&lnP=-52221.35,posterior=-52192.61] = [&R]
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=0.14244994981261183]:2.1753061789724938E-
5,T_monococcum_m331[&popsiz=0.22524383909891577]:2.1753061789724938E-
5)[&popsiz=0.04609188303985548]:4.8992636678561944E-
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5,T_monococcum_a10[&popsi=0.14837495731975583]:7.074569846828689E-
 5)[&popsi=0.005620156831471054]:0.006829969321393197)[&popsi=0.040790097463440006]:2.8
 82145276475751E-
 4,T_caputmedusae91[&popsi=0.10079991805094149]:0.007188929547509059)[&popsi=0.0364930
 0792845575]:6.294446318222541E-
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 4,Ae_speltoides_138[&popsi=0.028833368624944927]:3.076543423825493E-
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 35583001240492E-
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 Agropyron72[&popsi=0.07539405801829077]:0.007172461370502953)[&popsi=0.16057385225473
 56]:0.004201192829666342)[&popsi=0.07078219002725589]:0.10718992048044707,Brachypodium4
 [&popsi=0.19698531256511842]:0.11856357468061636);
 tree STATE_3 [lnP=-52226.64,posterior=-52204.61] = [R]
 (((((Ae_speltoides_98[&popsi=0.2535961898426079]:3.911694876536364E-
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 6,T_monococcum_a10[&popsi=0.16892843828392226]:4.7235240661554174E-
 6)[&popsi=0.05247671143526097]:8.532827512399982E-
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 99899184]:4.0592231181221447E-4)[&popsi=0.02000085286814364]:4.236448286846668E-
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 ordeum222[&popsi=0.07714065111244119]:0.009866757559177415)[&popsi=0.336996287303274
 97]:0.0015887457336045494)[&popsi=0.08058721657356181]:0.10703852262939009,Brachypodium
 4[&popsi=0.017307230146442084]:0.11849402592217205);

end;