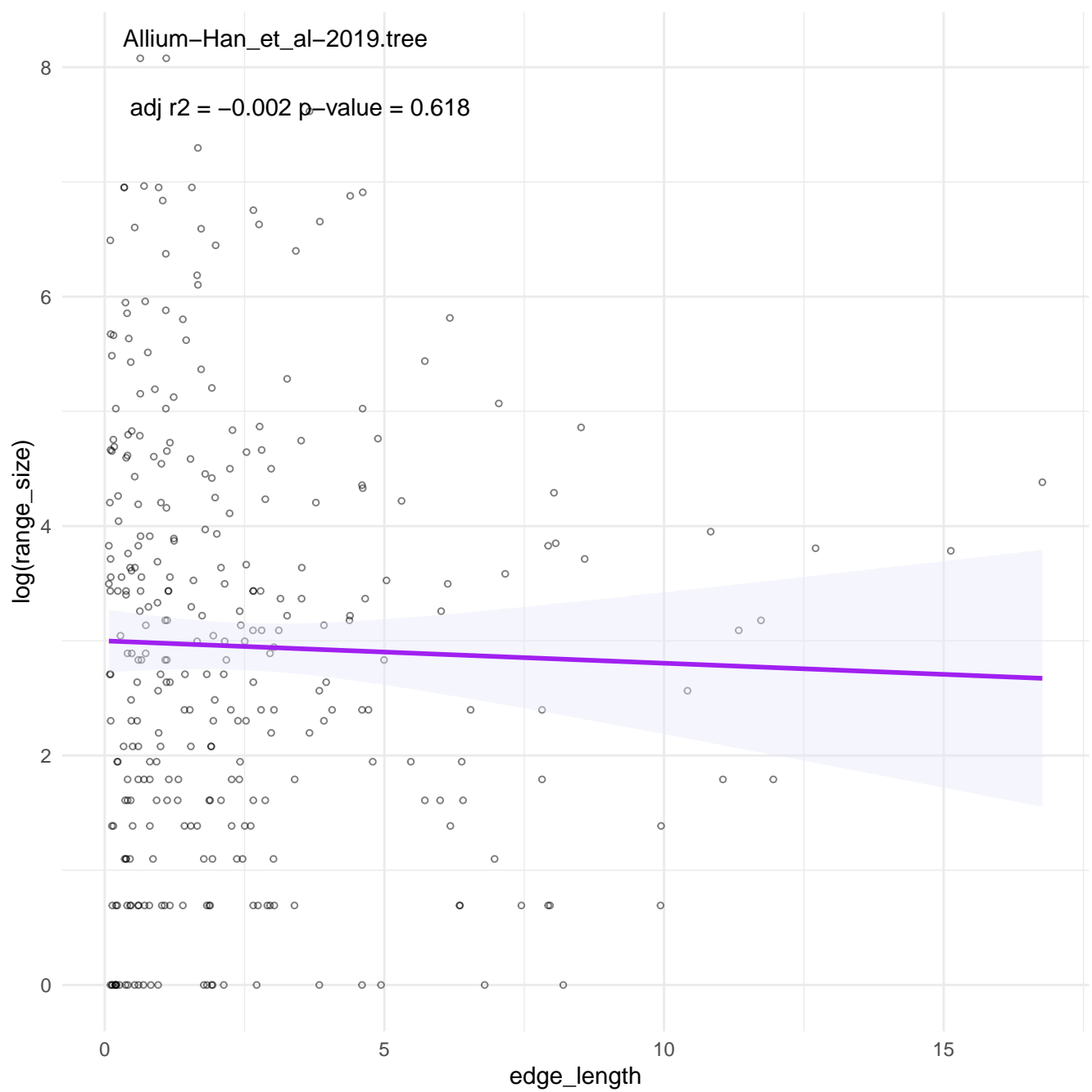


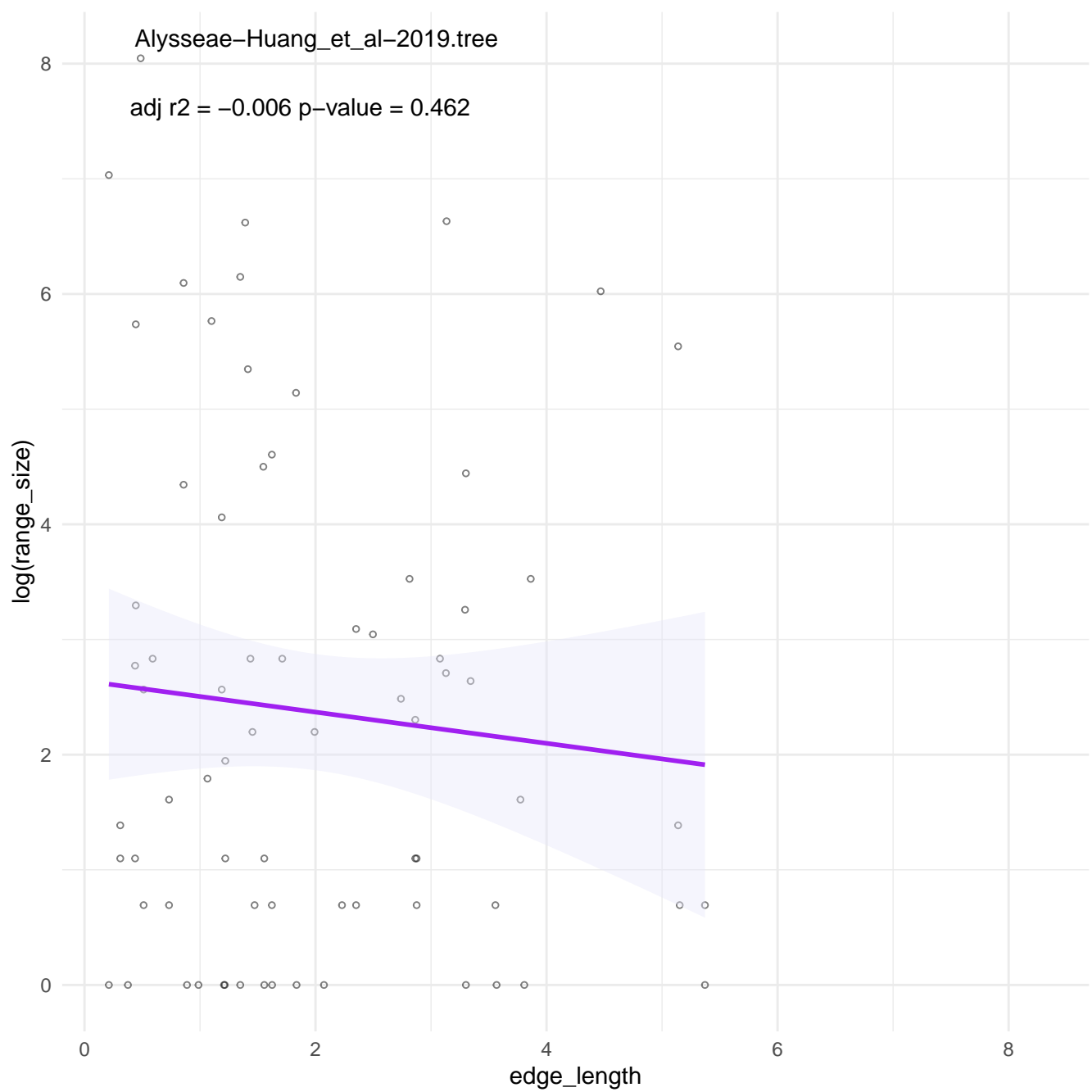
Allium-Han_et_al-2019.tree

adj r2 = -0.002 p-value = 0.618



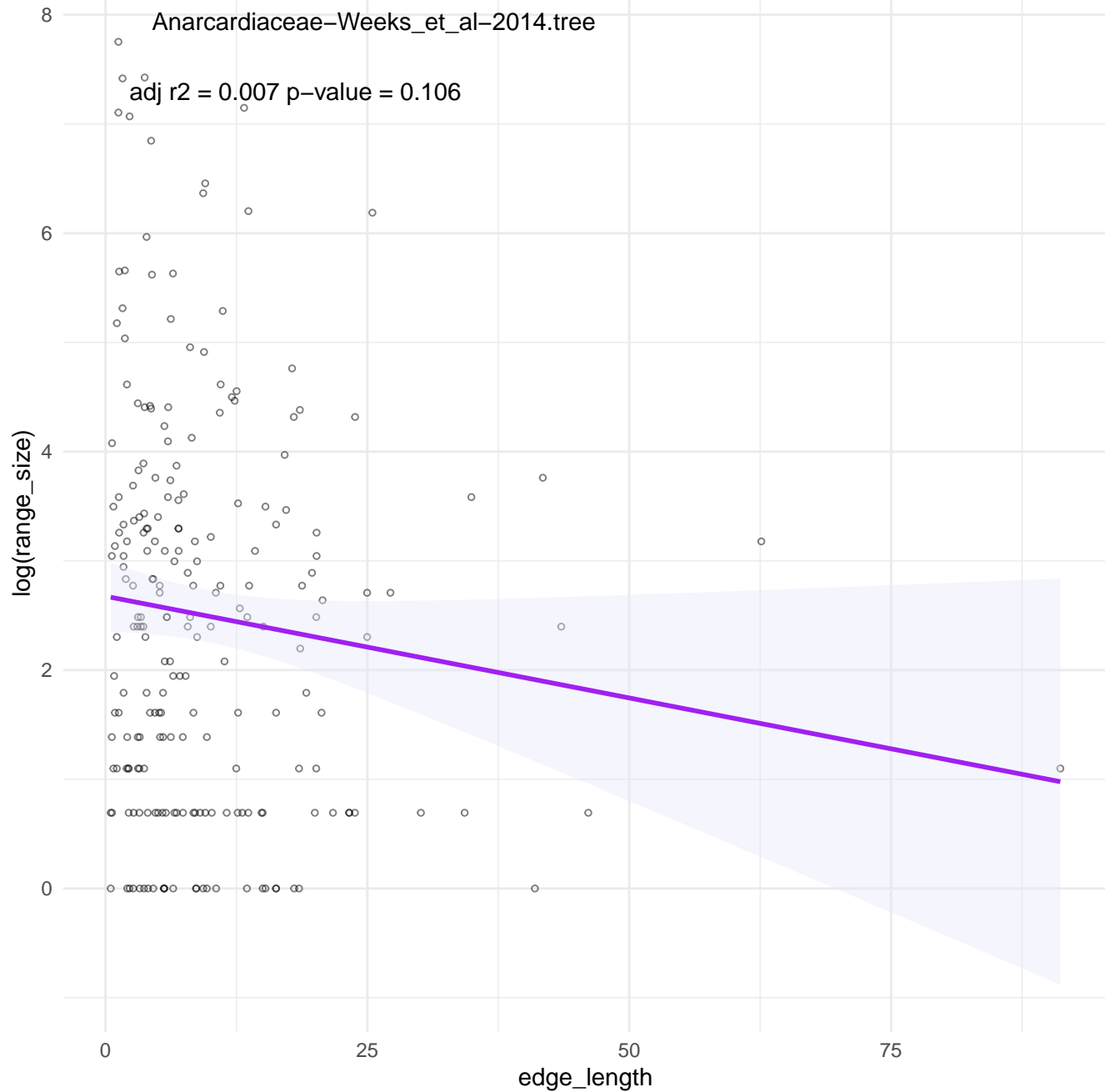
Alysseae-Huang_et_al-2019.tree

adj r2 = -0.006 p-value = 0.462



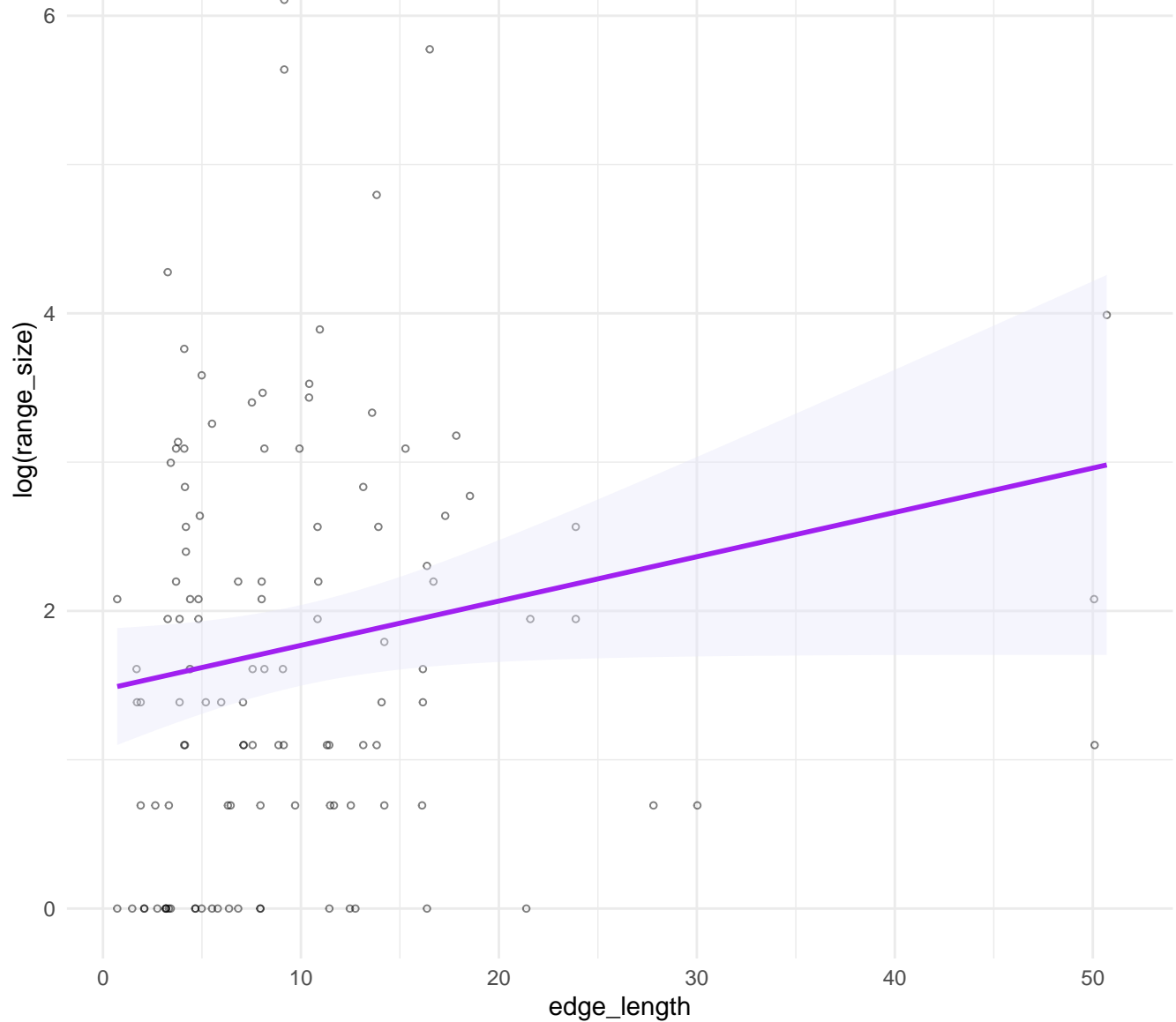
Anarcardiaceae-Weeks_et_al-2014.tree

adj r2 = 0.007 p-value = 0.106



Annonaceae-Onstein_et_al-2019.tree

adj r2 = 0.023 p-value = 0.057



Antirrhineae-Gorospe_et_al-2020.tree

adj r2 = -0.005 p-value = 0.857

log(range_size)

0

8

6

4

2

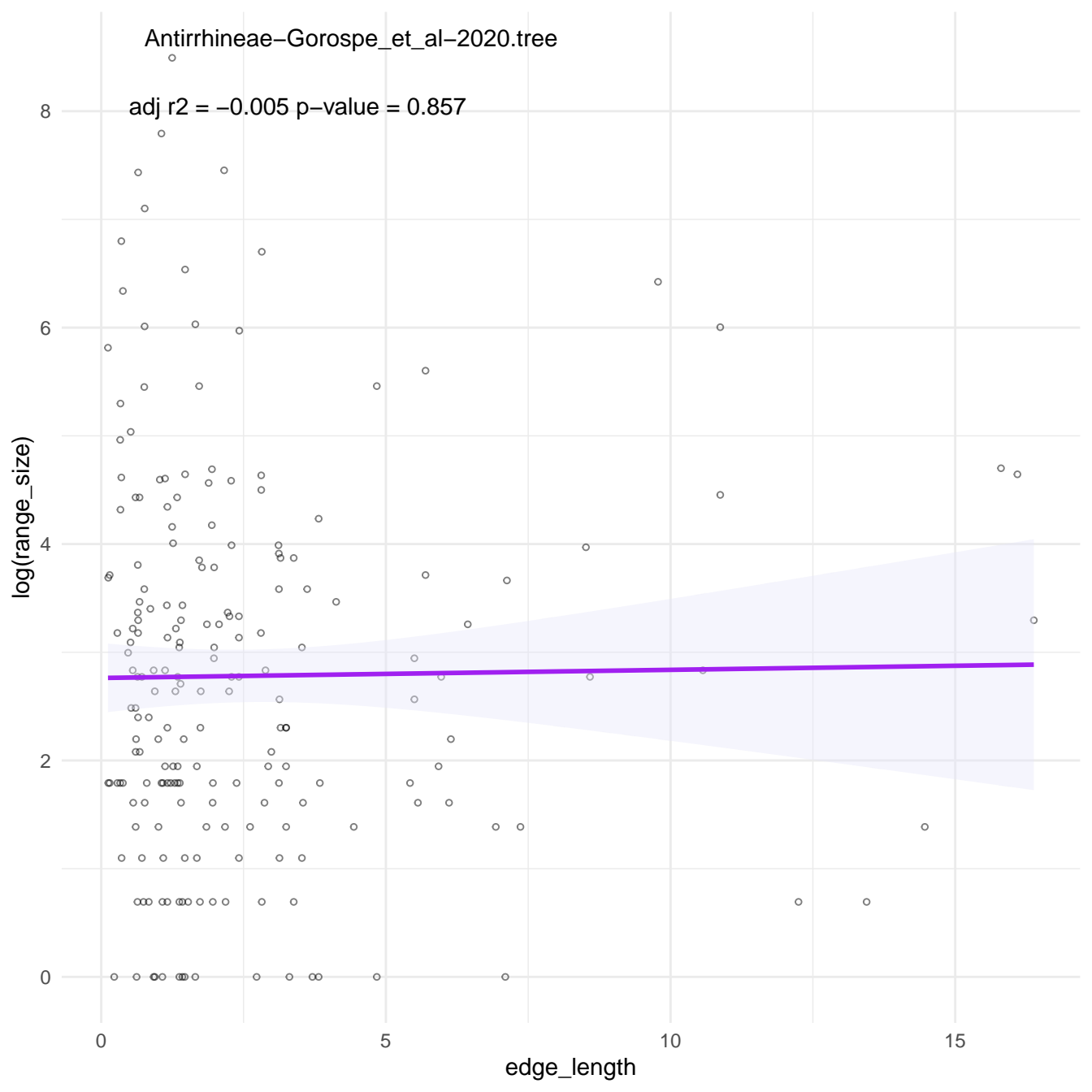
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edge_length

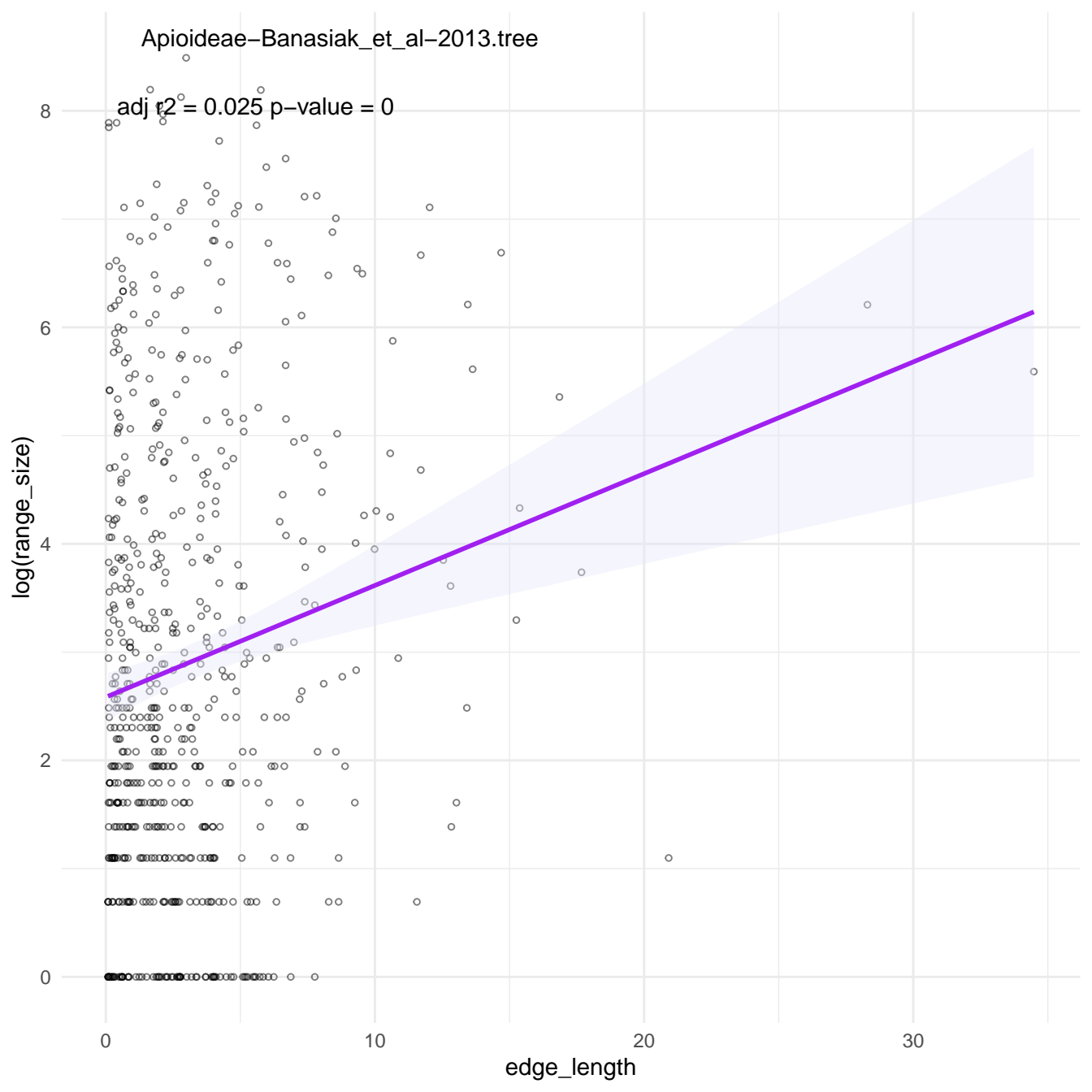
5

10

15



adj r² = 0.025 p-value = 0



Apocynaceae–Fishbein_et_al–2018.tree

adj r2 = 0.003 p-value = 0.078

log(range_size)

8

6

4

2

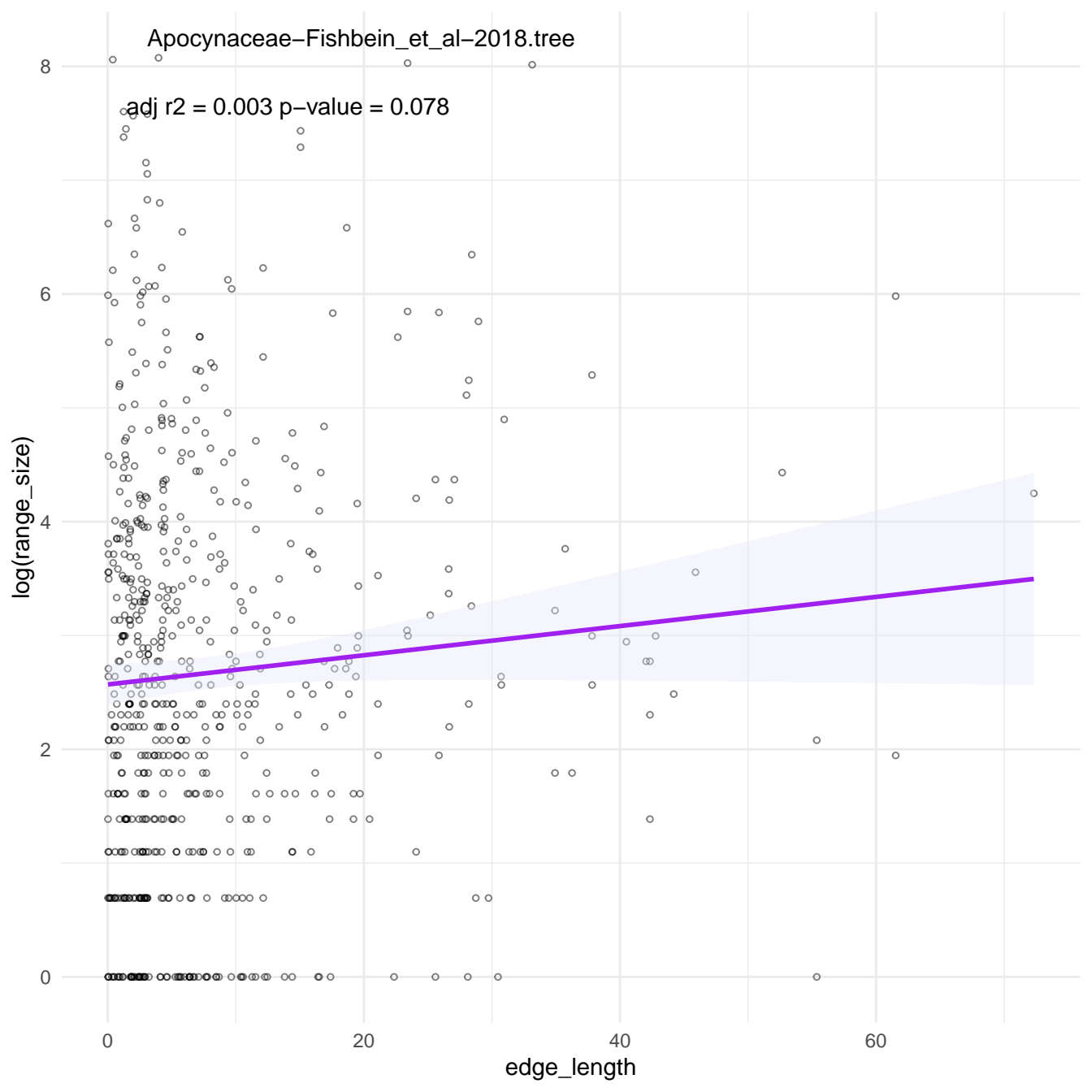
0

20

edge_length

40

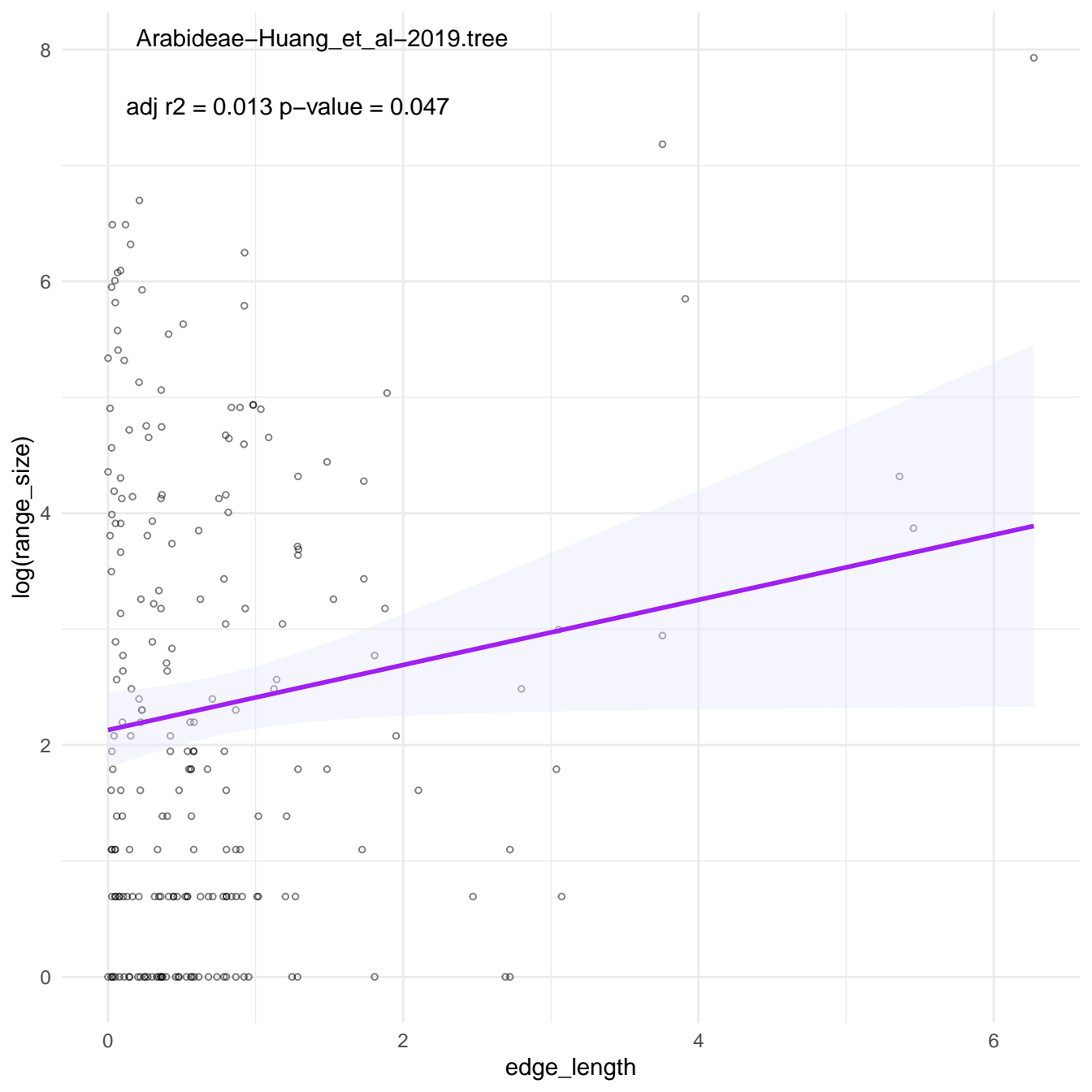
60



Arabideae-Huang_et_al-2019.tree

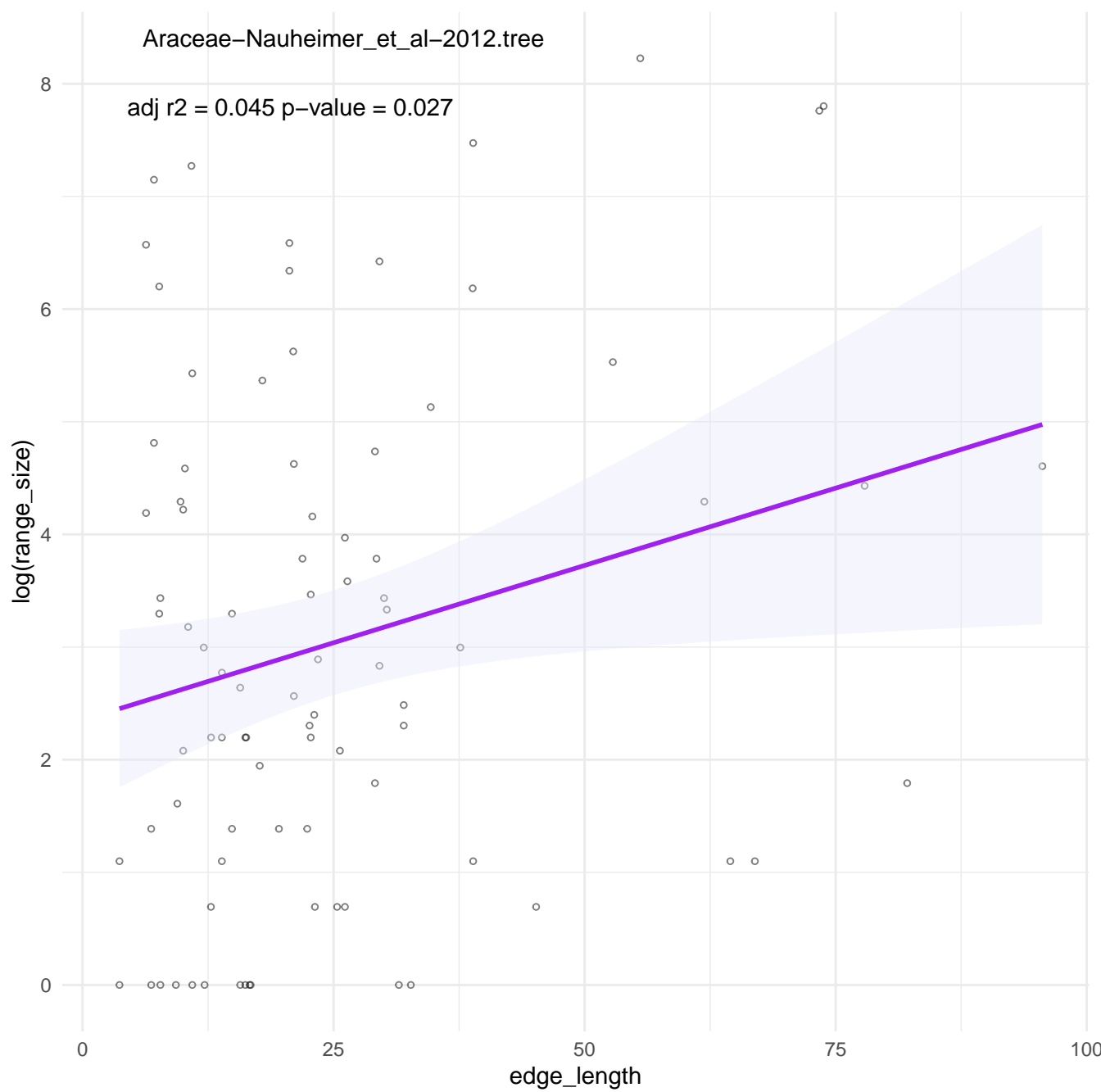
adj r2 = 0.013 p-value = 0.047

log(range_size)



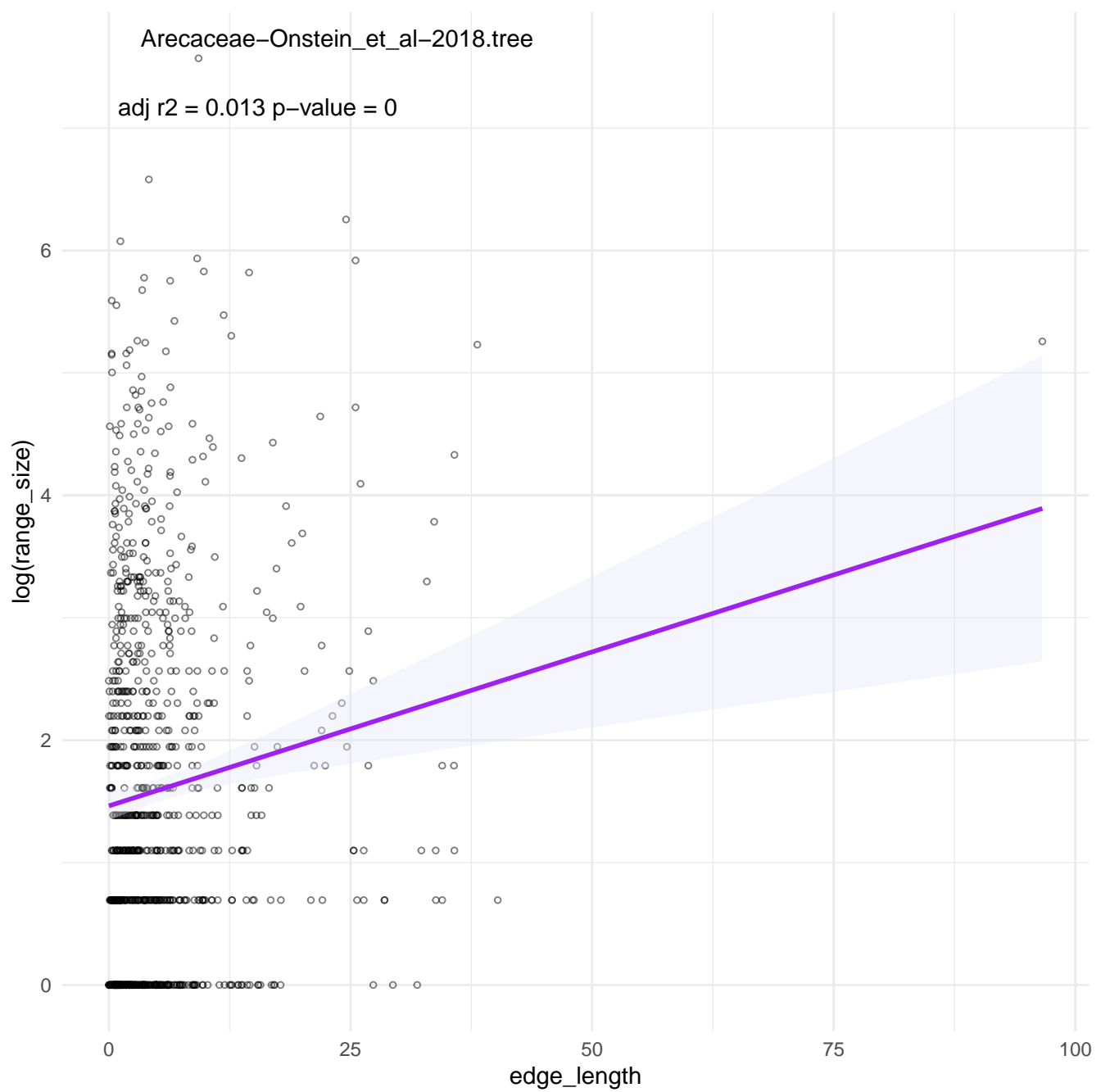
edge_length

adj r2 = 0.045 p-value = 0.027



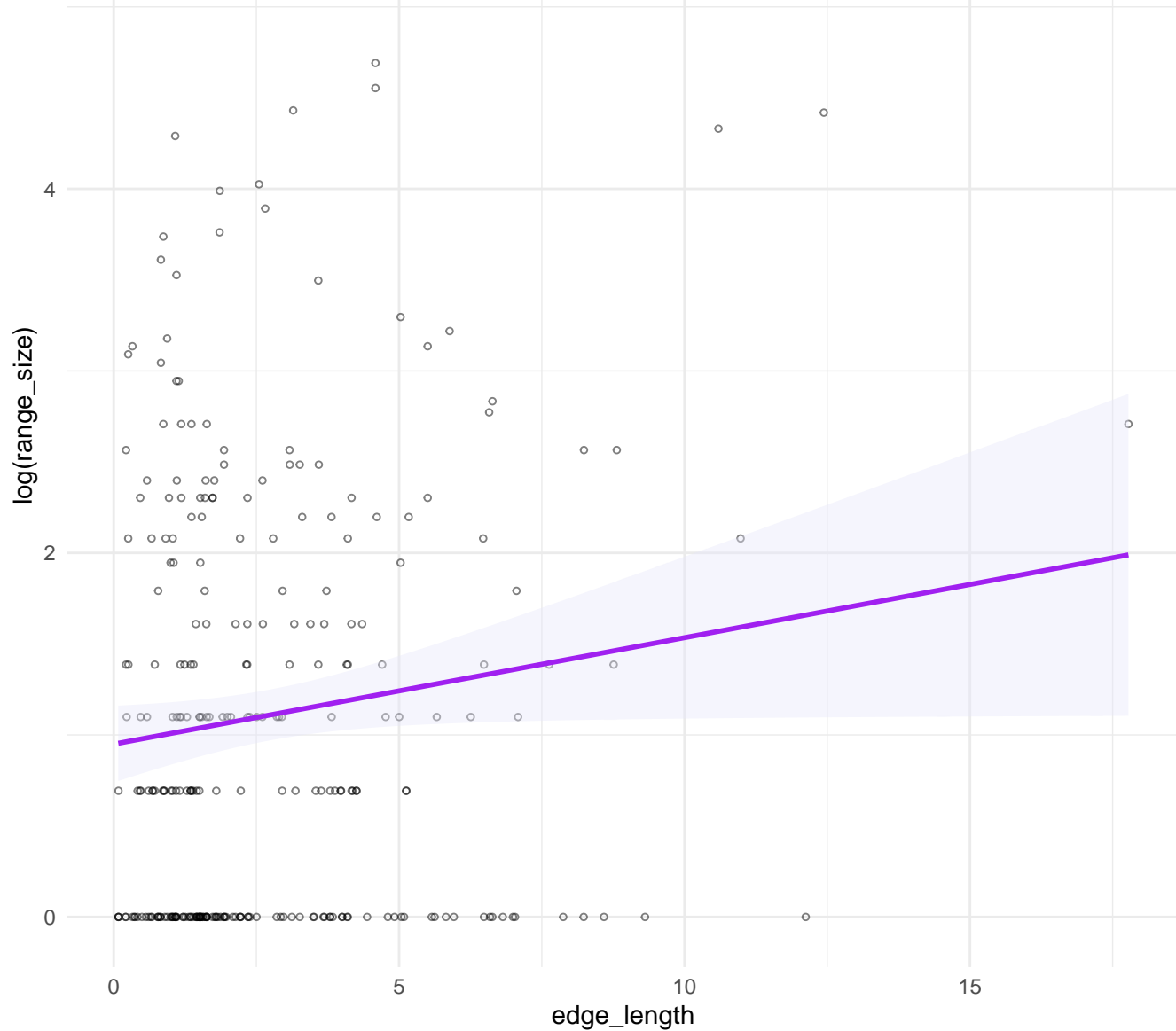
Arecaceae-Onstein_et_al-2018.tree

adj r2 = 0.013 p-value = 0

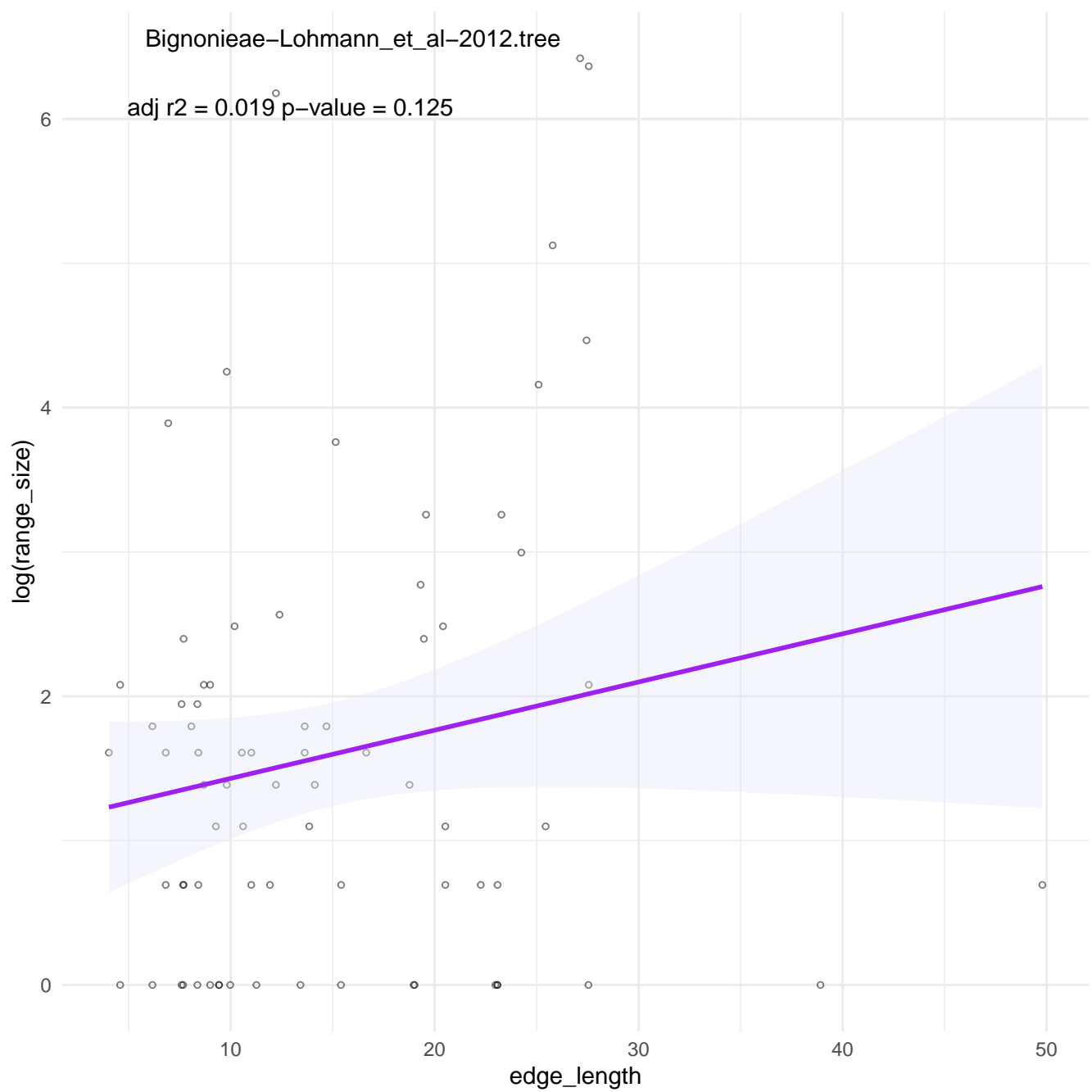


Begonia-Moonlight_et_al-2015.tree

adj r2 = 0.01 p-value = 0.048

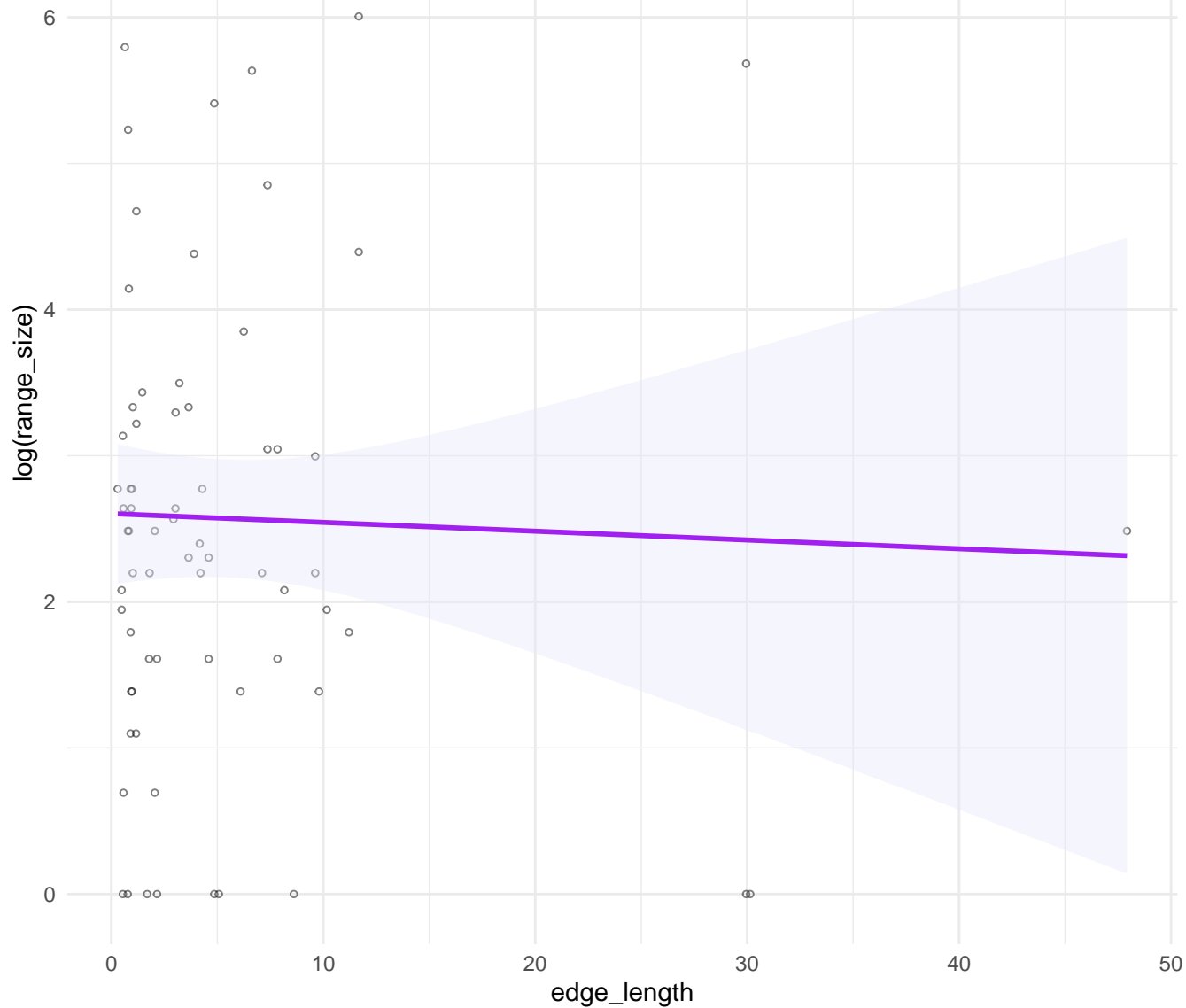


adj r2 = 0.019 p-value = 0.125



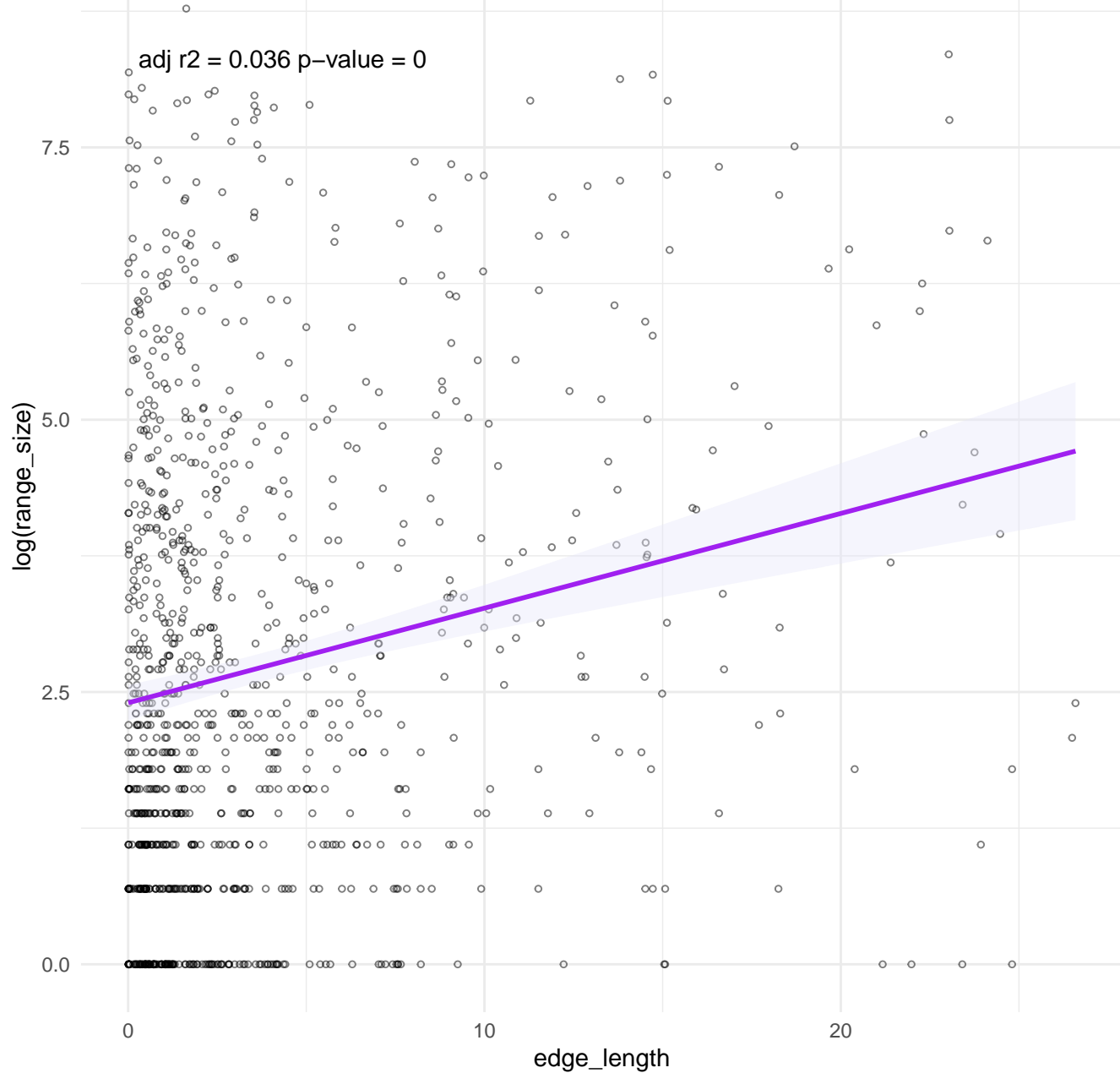
Bombacoideae-Zizka_et_al-2020.tree

adj $r^2 = -0.014$ p-value = 0.812



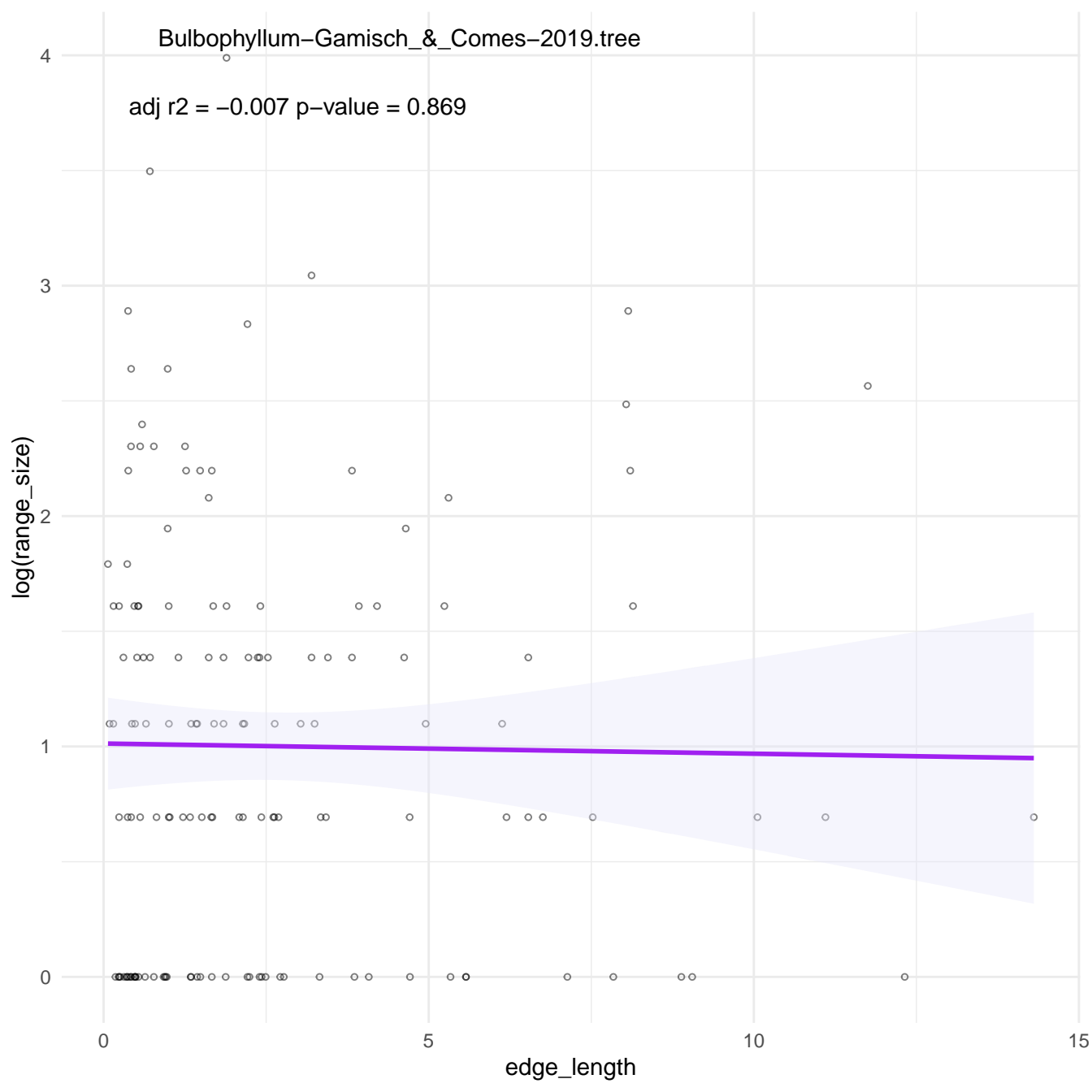
Brassicaceae-Smith_& Brown-2018.tree

adj r2 = 0.036 p-value = 0



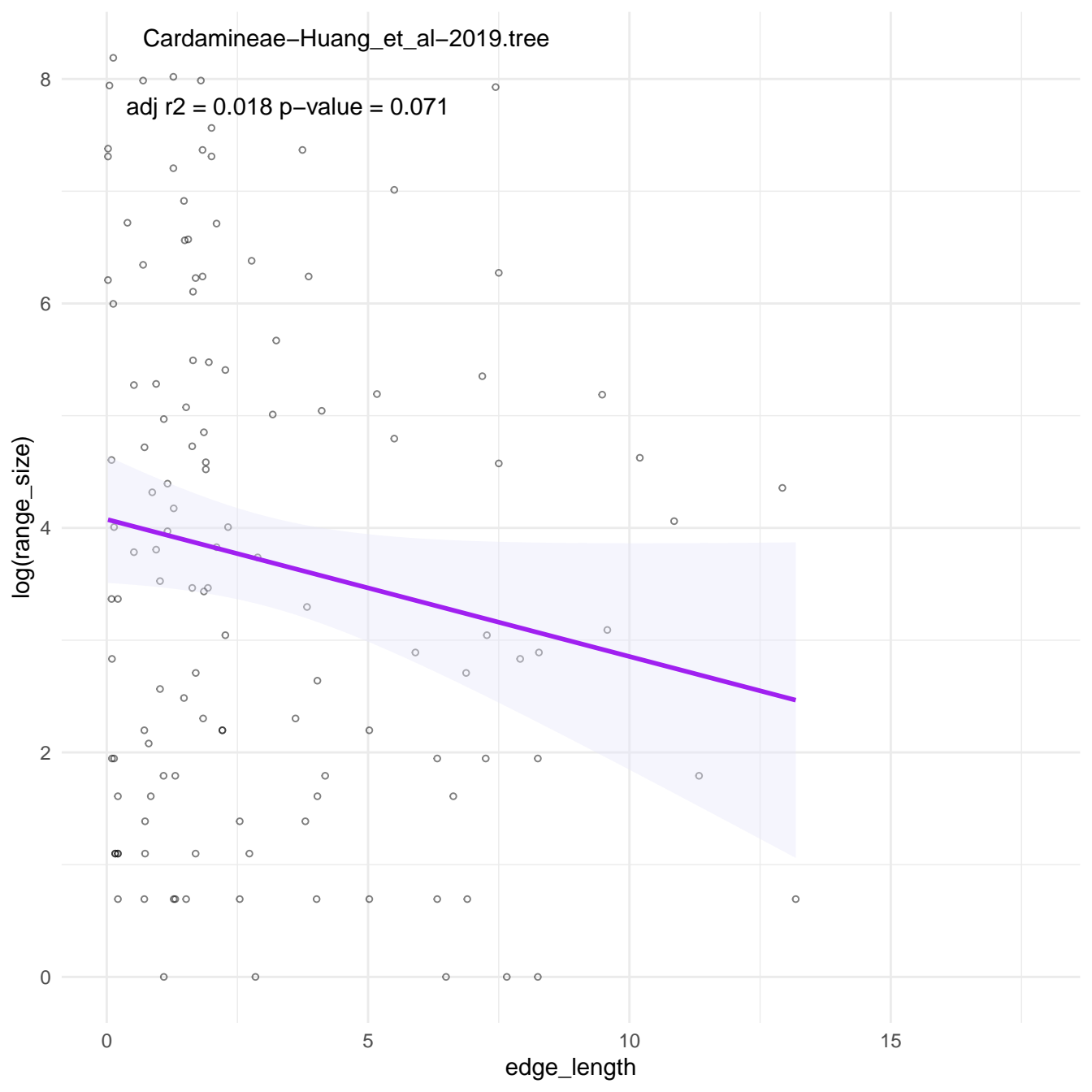
Bulbophyllum-Gamisch_&_Comes-2019.tree

adj r2 = -0.007 p-value = 0.869



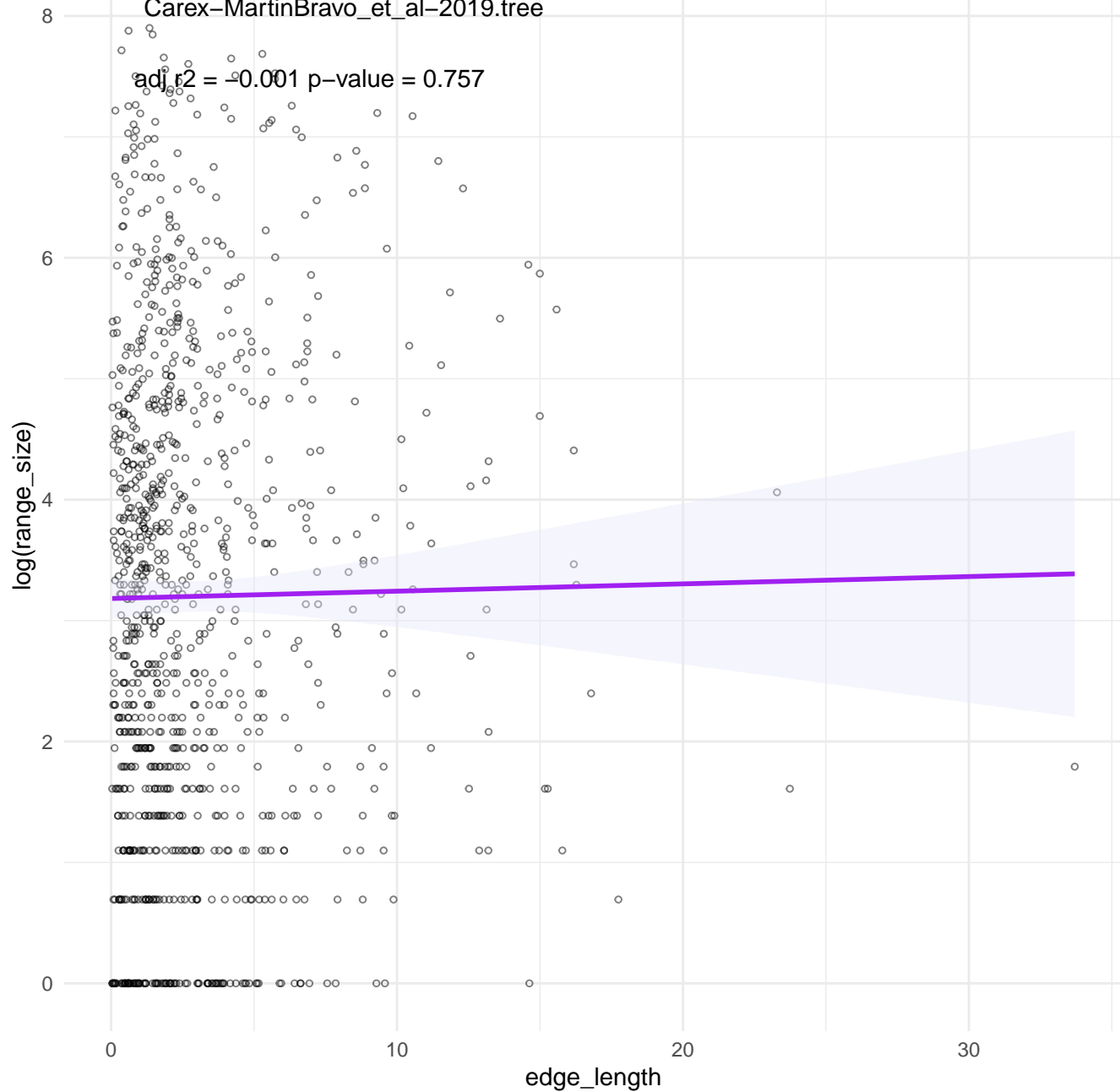
Cardamineae-Huang_et_al-2019.tree

adj r2 = 0.018 p-value = 0.071



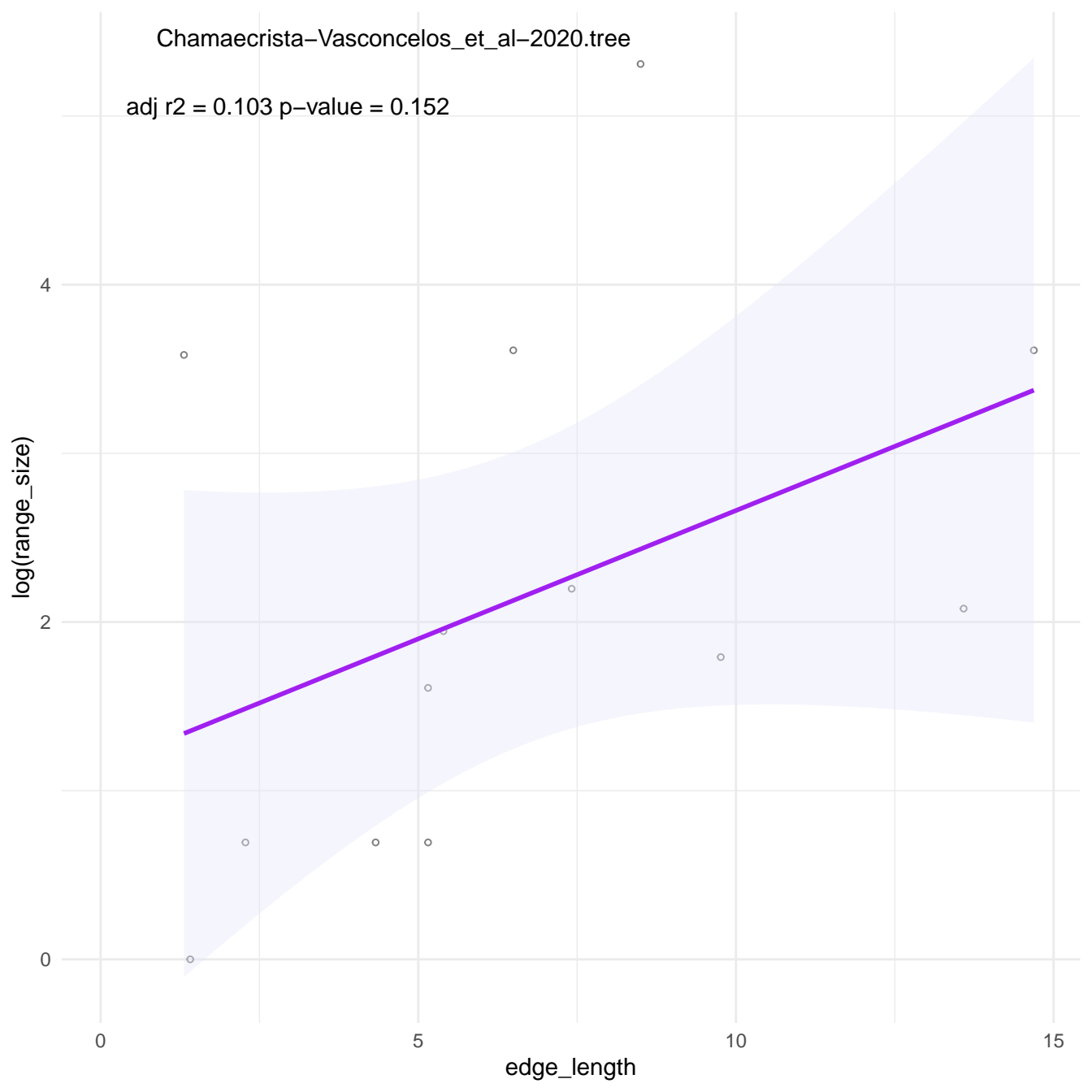
Carex-MartinBravo_et_al-2019.tree

adj. $r^2 = -0.001$ p-value = 0.757



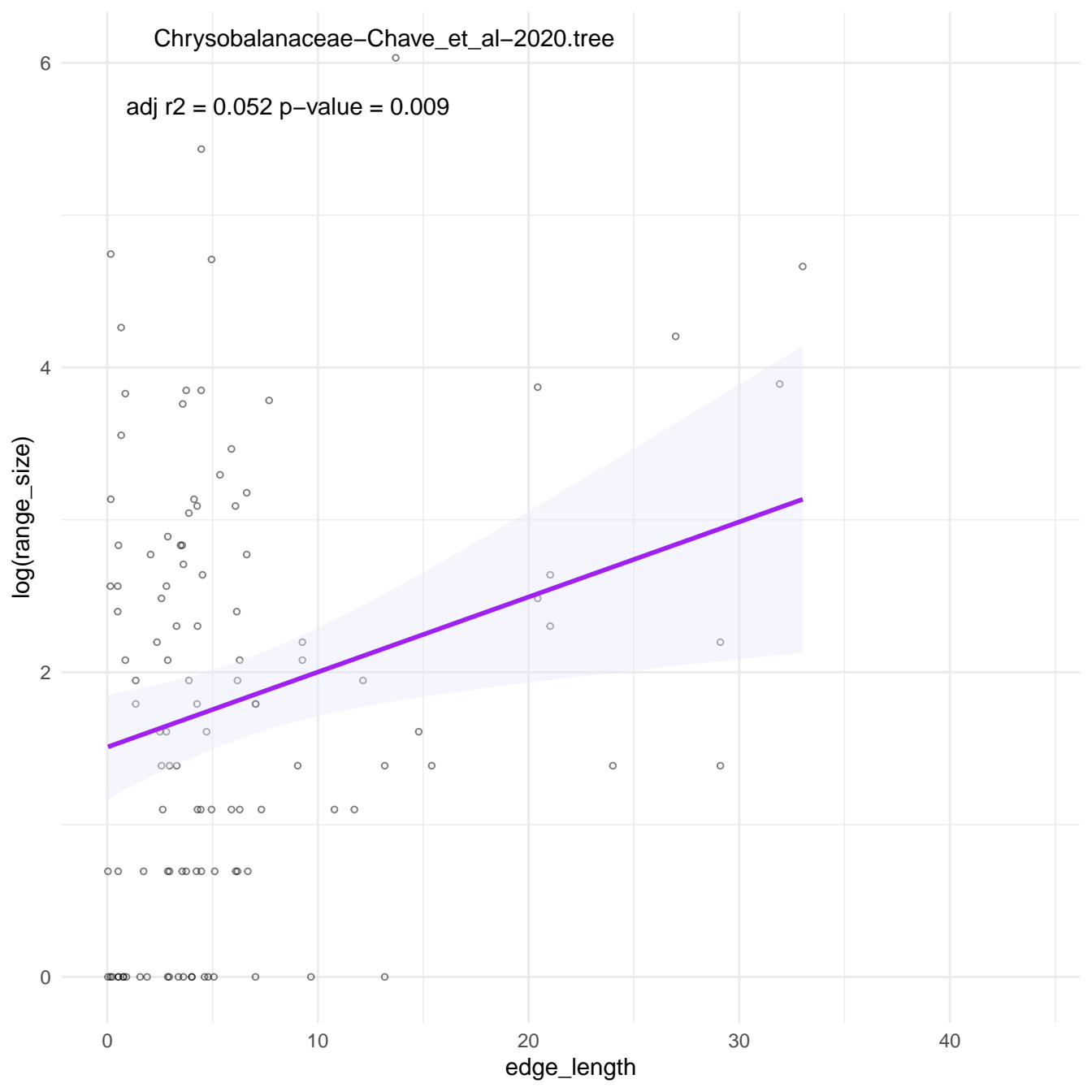
Chamaecrista-Vasconcelos_et_al-2020.tree

adj r2 = 0.103 p-value = 0.152



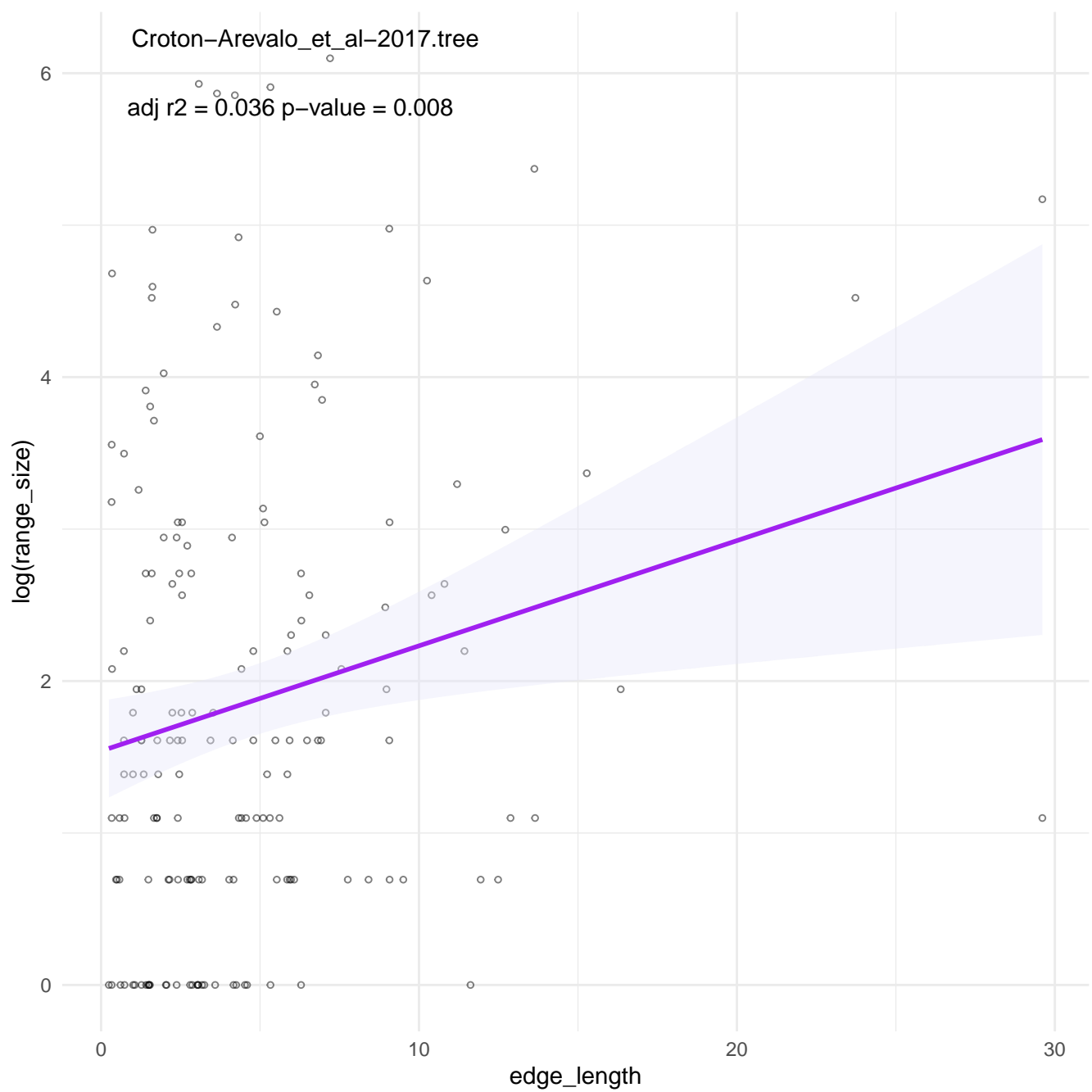
Chrysobalanaceae-Chave_et_al-2020.tree

adj r2 = 0.052 p-value = 0.009

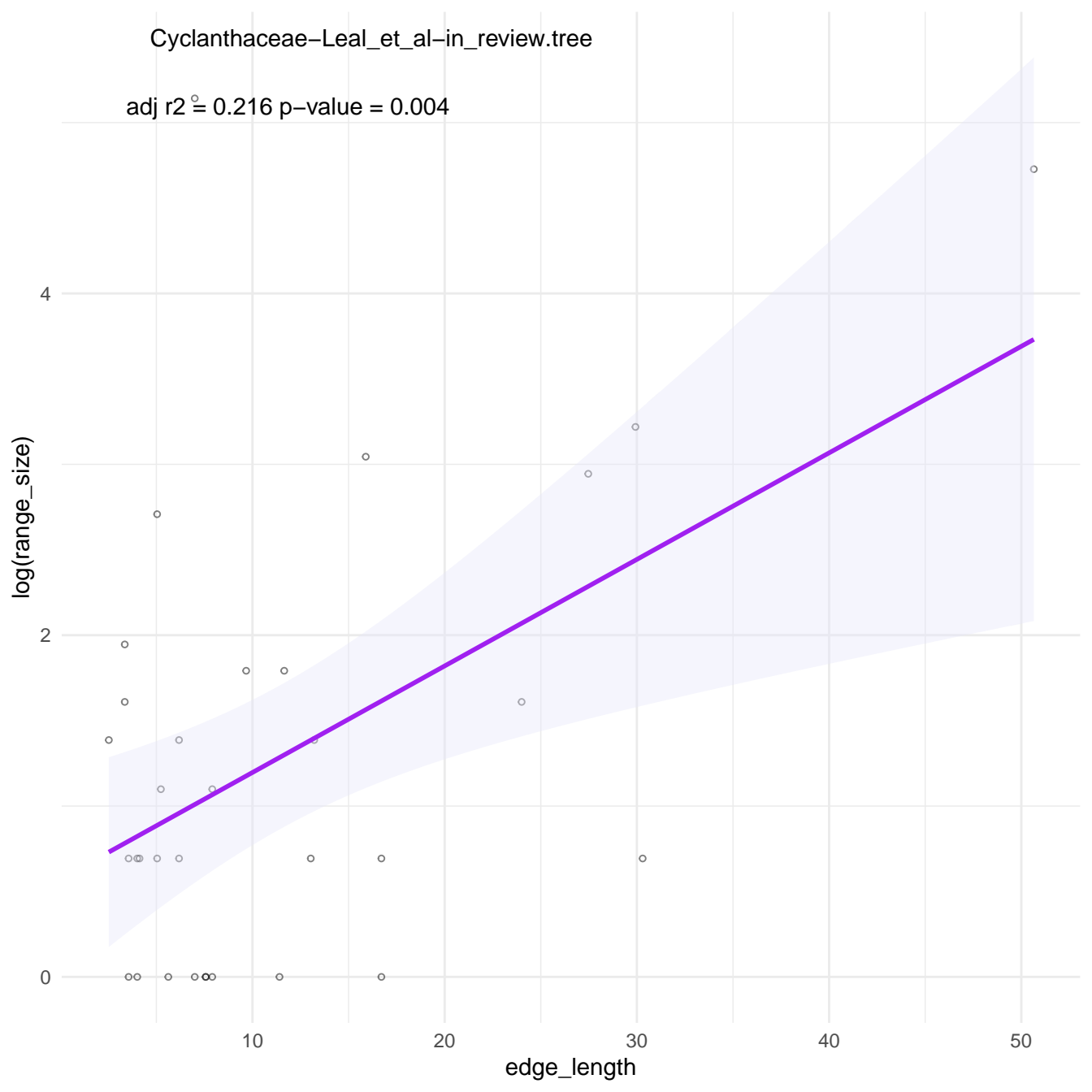


Croton-Arevalo_et_al-2017.tree

adj r2 = 0.036 p-value = 0.008



adj r² = 0.216 p-value = 0.004



adj r2 = 0.317 p-value = 0

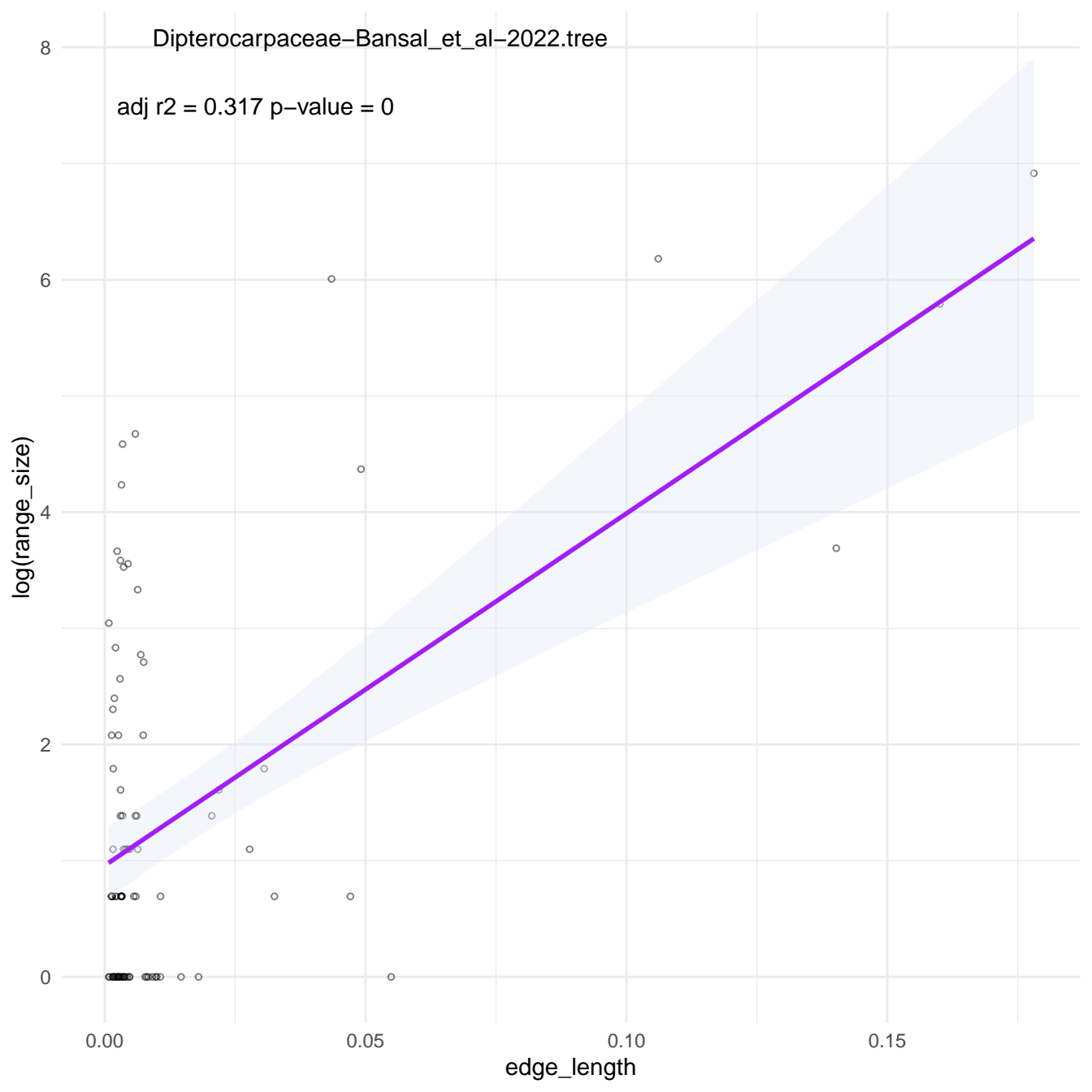
log(range_size)

0.00

edge_length

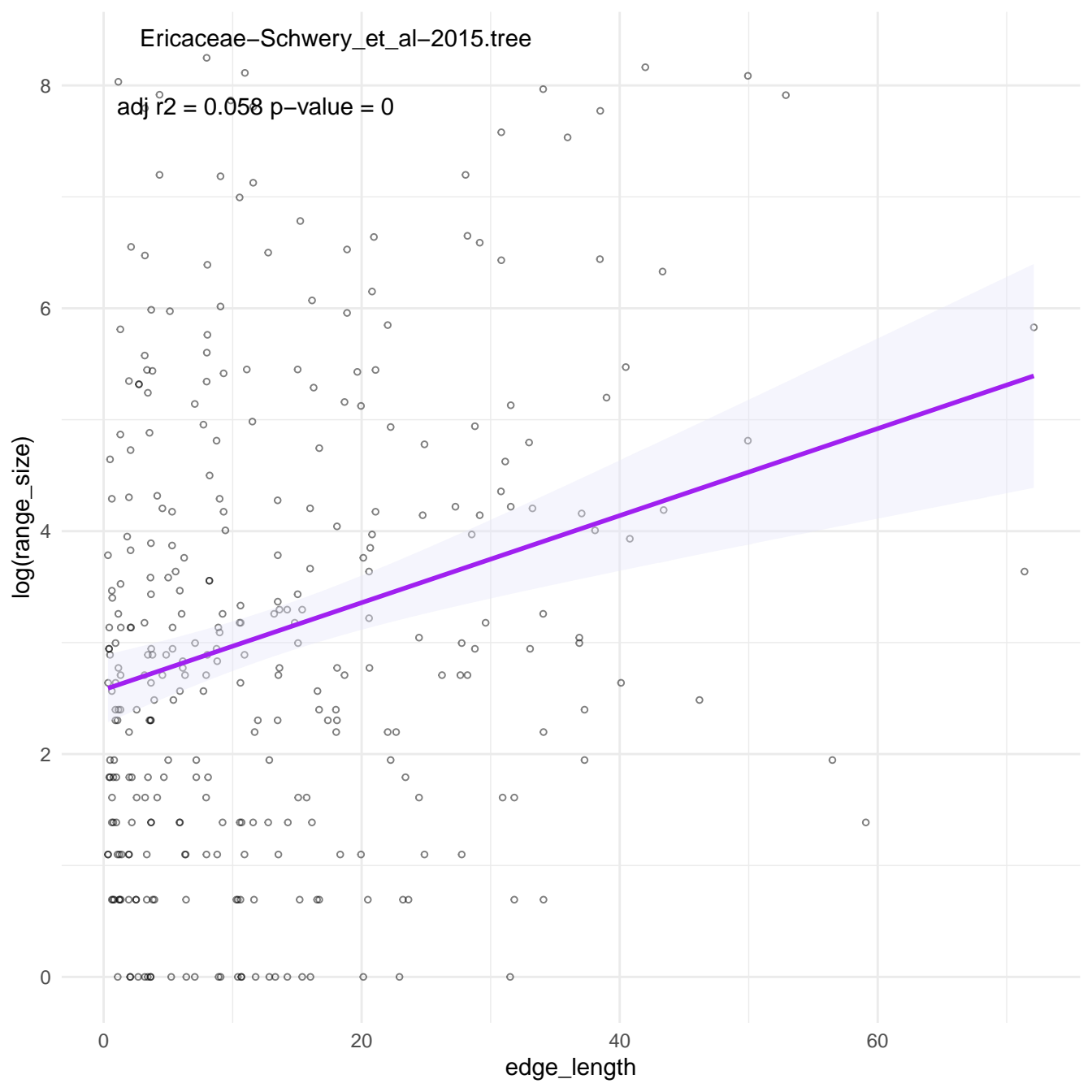
0.10

0.15



Ericaceae-Schwery_et_al-2015.tree

adj r2 = 0.058 p-value = 0



Erysimeae-Huang_et_al-2019.tree

adj r2 = -0.011 p-value = 0.536

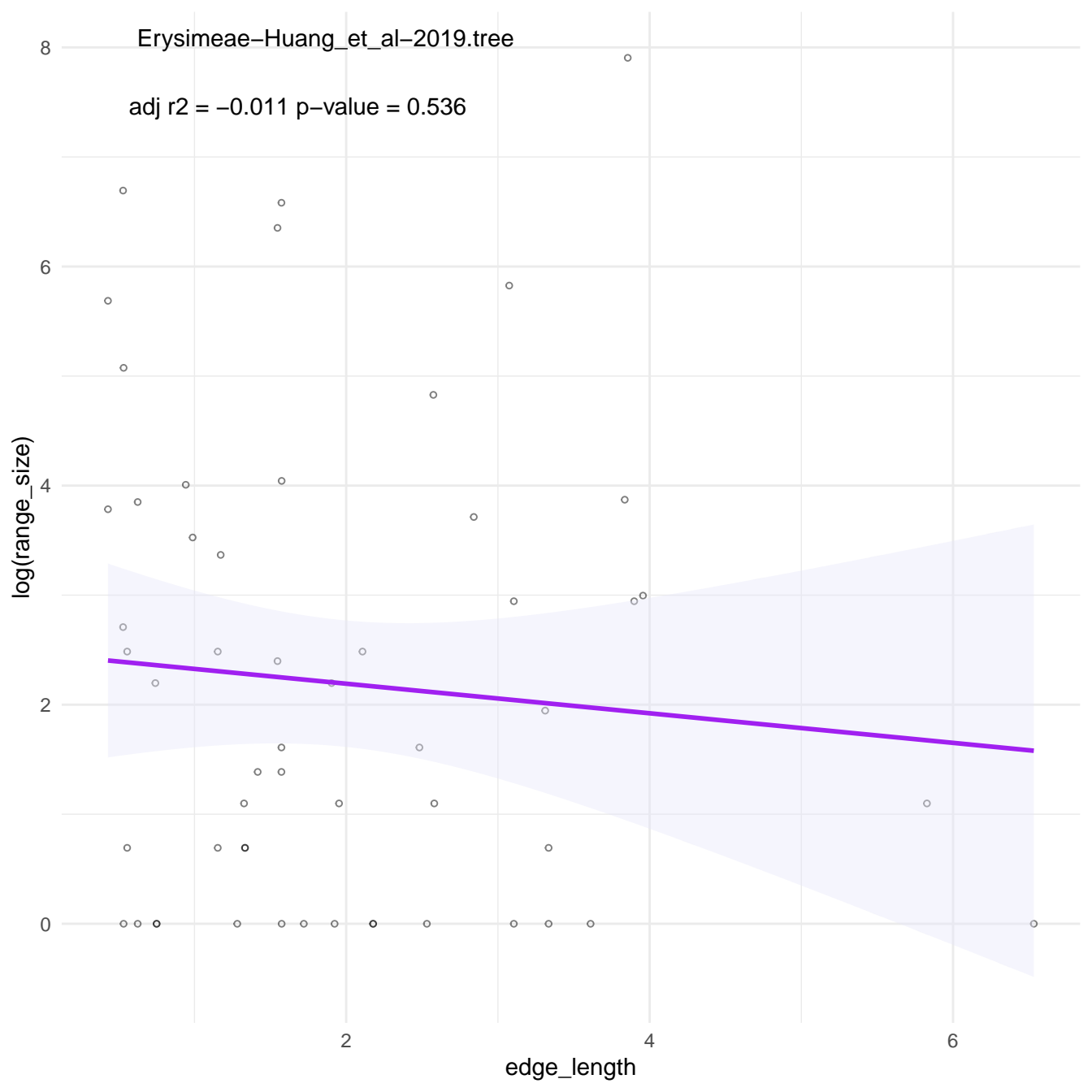
log(range_size)

2

4

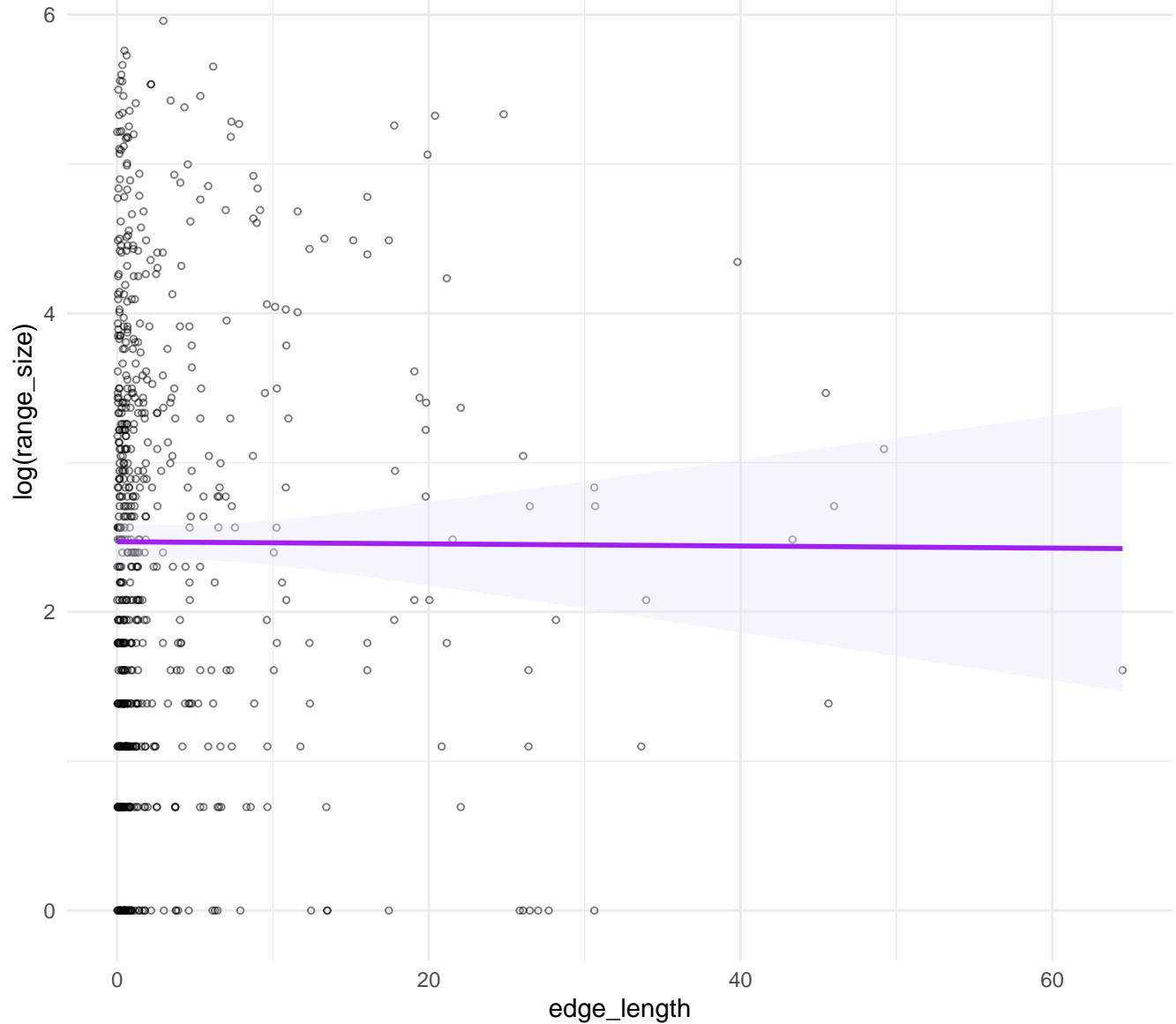
6

edge_length

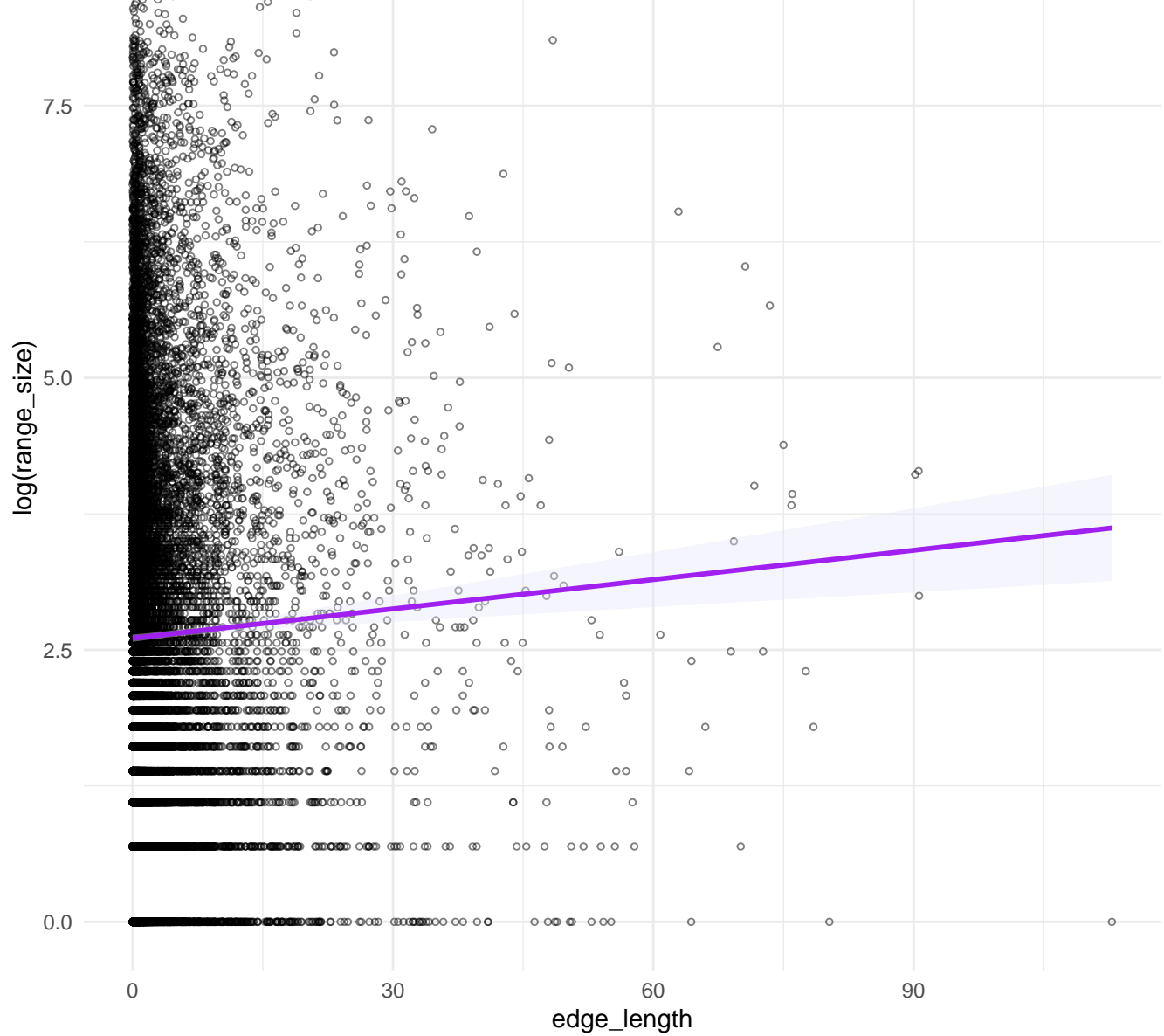


Eucalypts-Thornhill_et_al-2019.tree

adj r2 = -0.002 p-value = 0.929



adj r2 = 0.001 p-value = 0

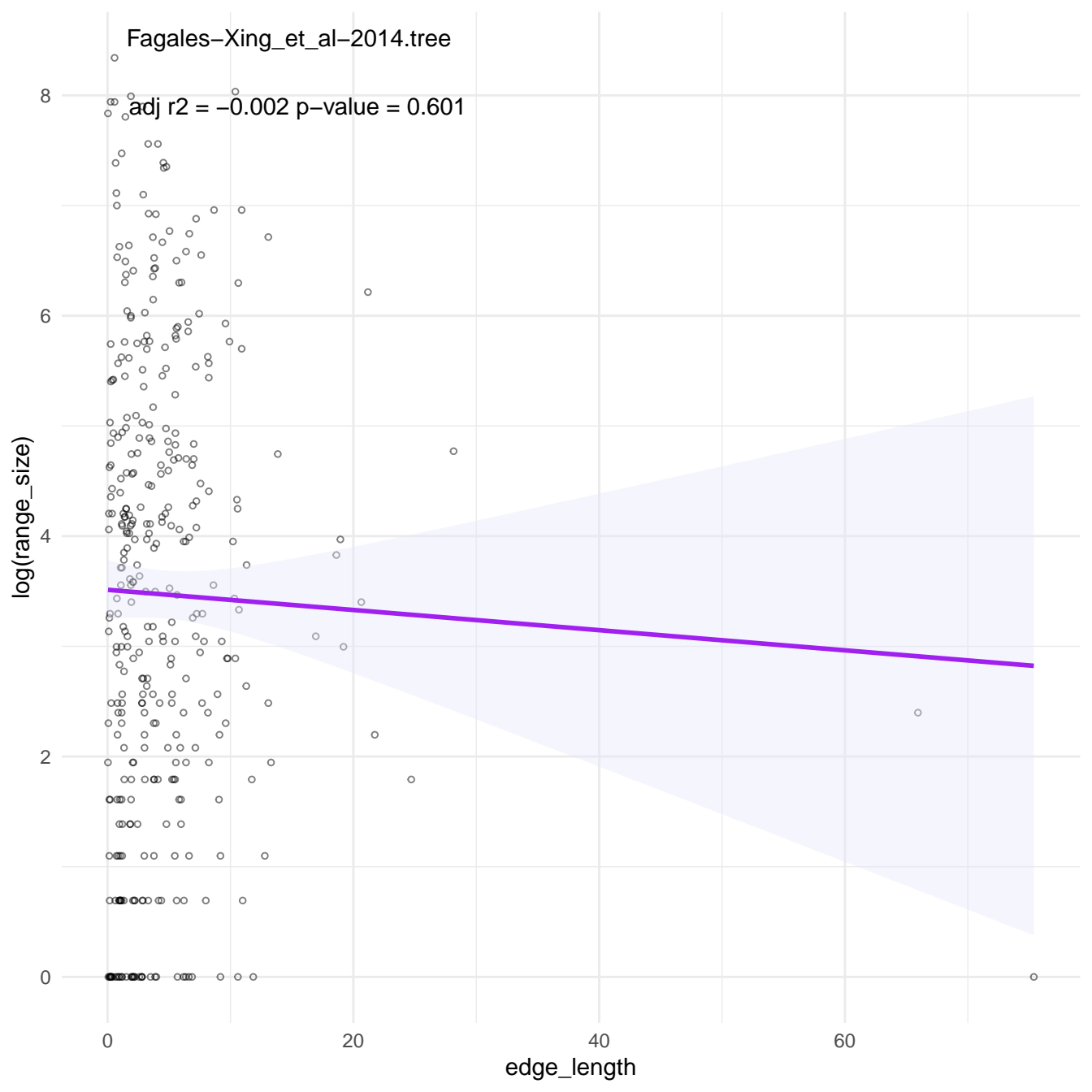


Fagales-Xing_et_al-2014.tree

adj r2 = -0.002 p-value = 0.601

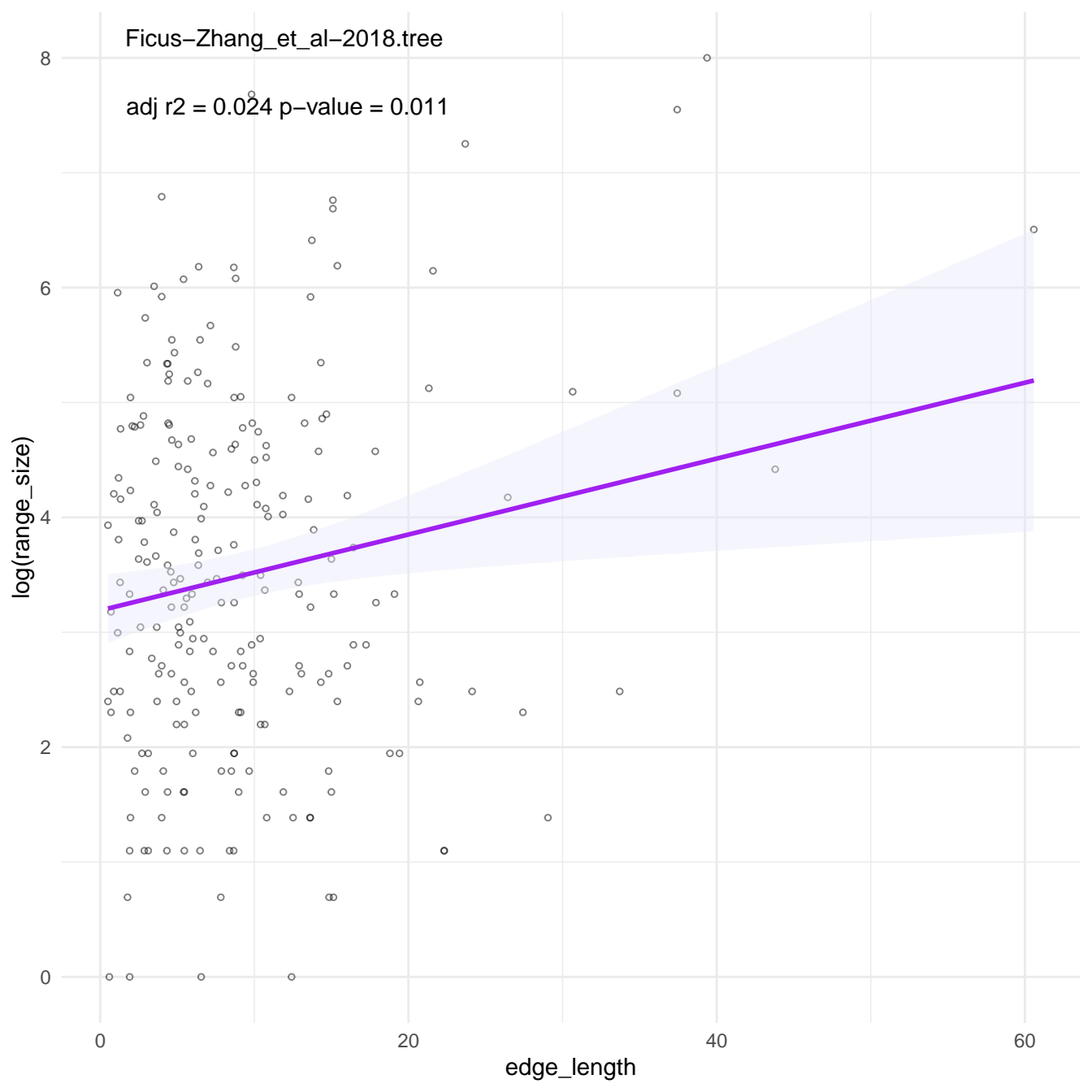
log(range_size)

edge_length



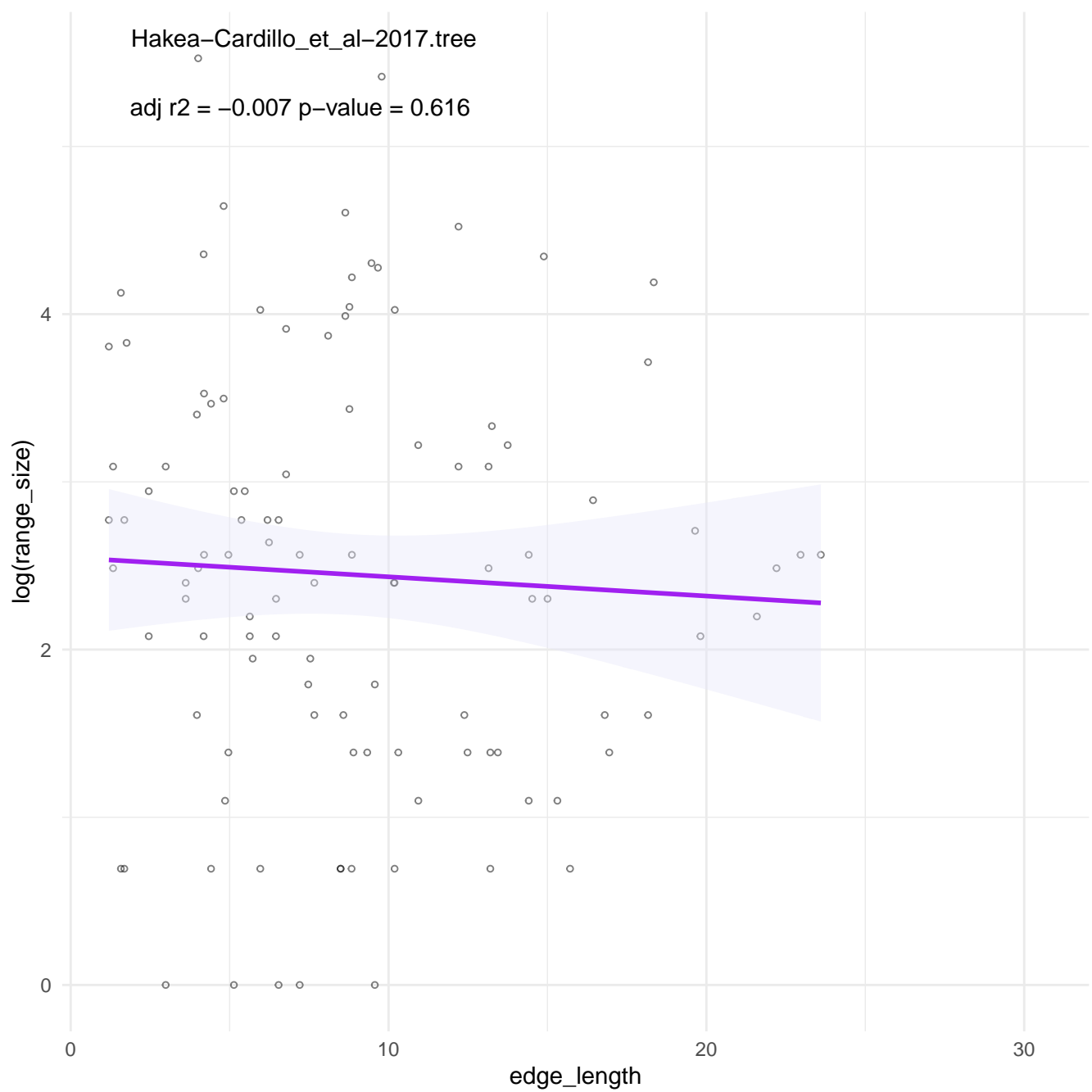
Ficus-Zhang_et_al-2018.tree

adj r2 = 0.024 p-value = 0.011



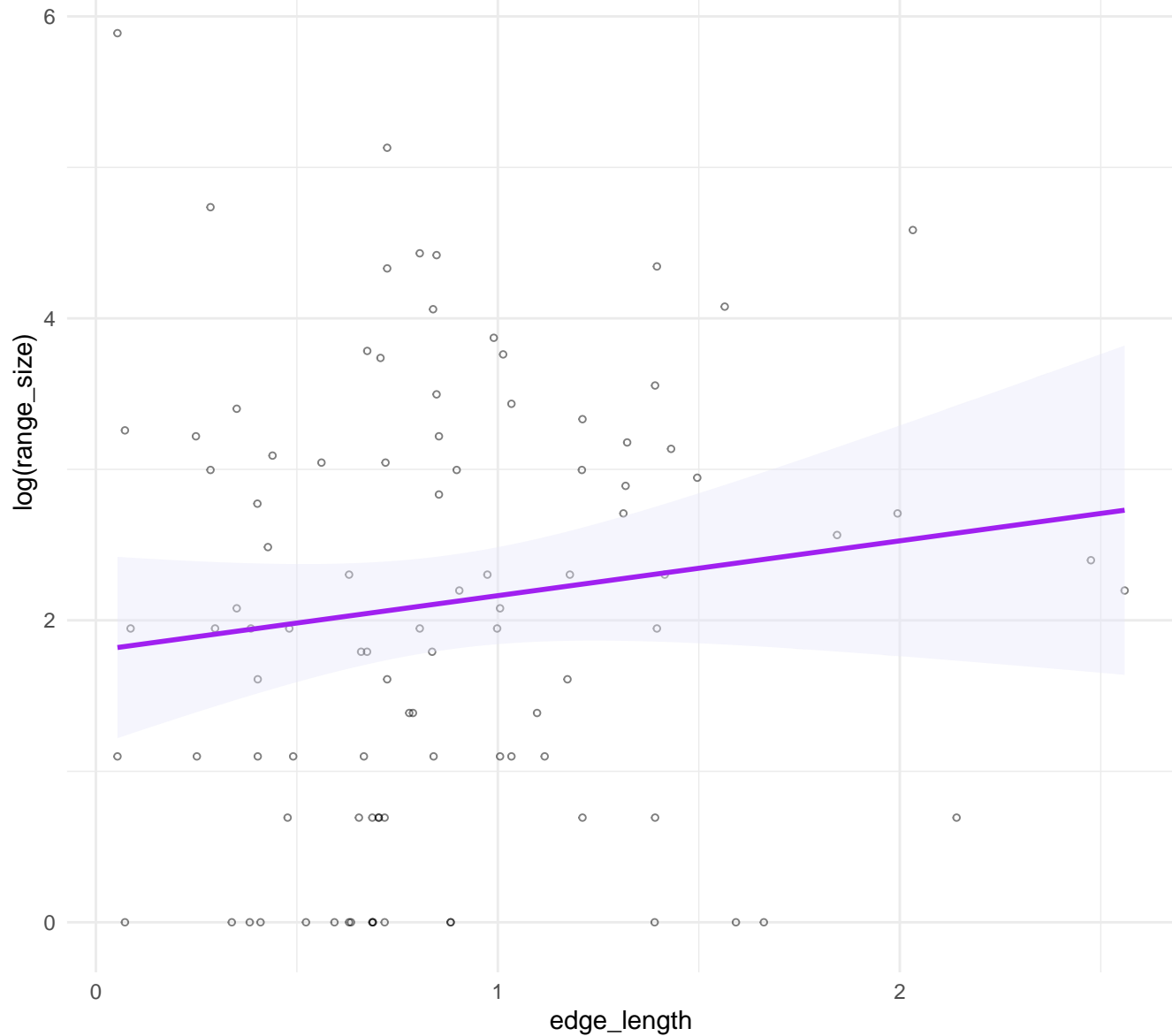
Hakea-Cardillo_et_al-2017.tree

adj r2 = -0.007 p-value = 0.616



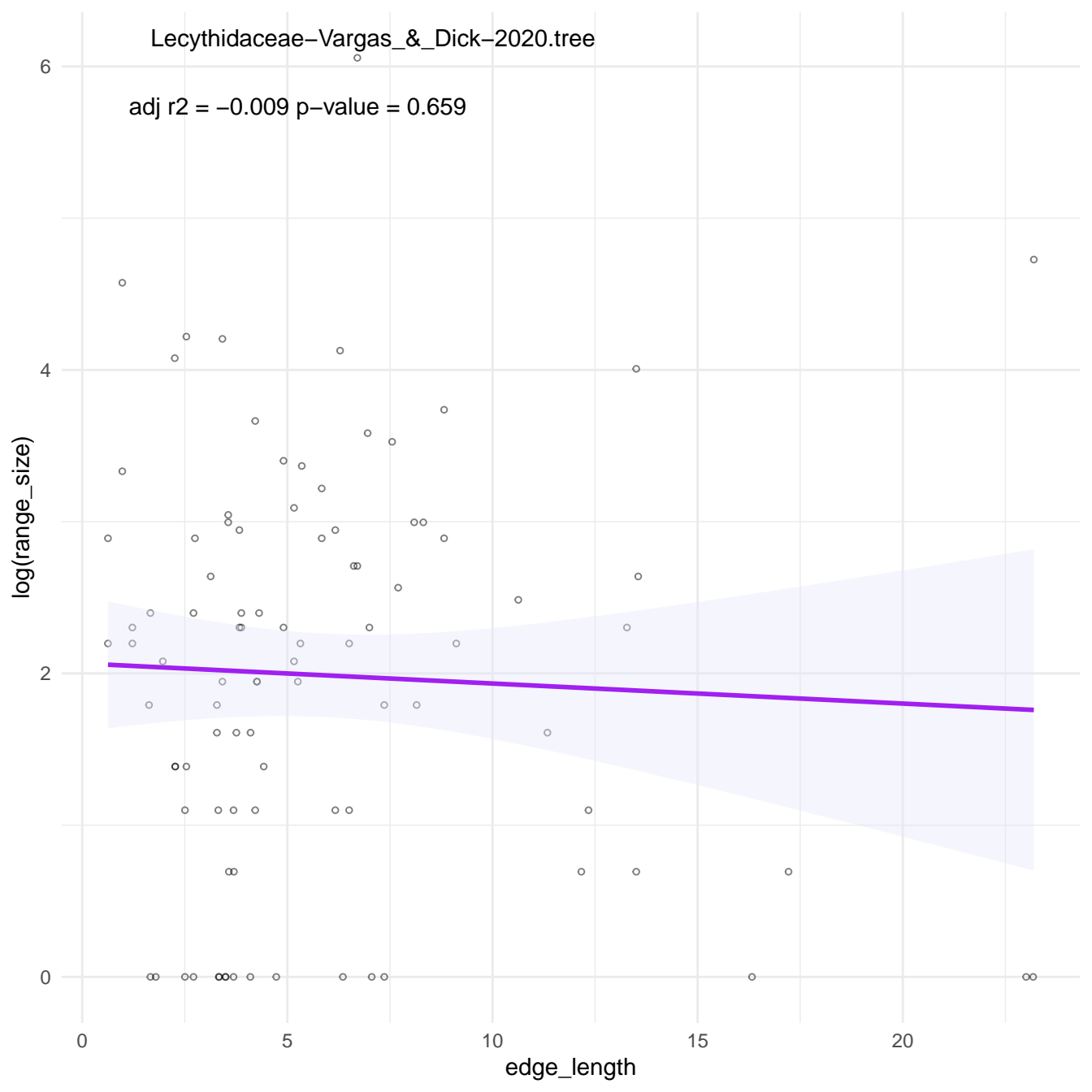
Heliconia-Iles_et_al-2017.tree

adj r2 = 0.003 p-value = 0.249



Lecythidaceae-Vargas_&_Dick-2020.tree

adj r² = -0.009 p-value = 0.659

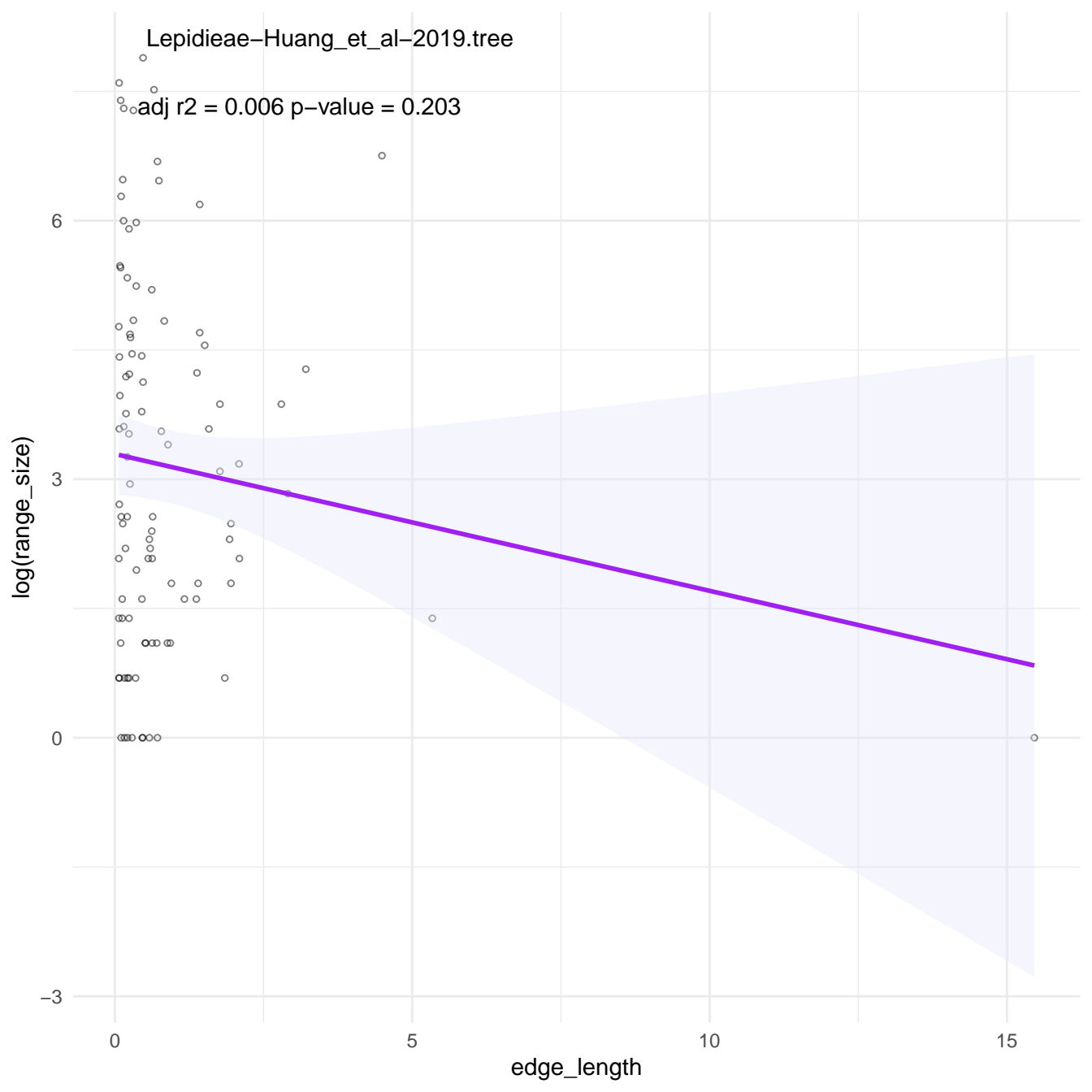


Lepidieae-Huang_et_al-2019.tree

adj r2 = 0.006 p-value = 0.203

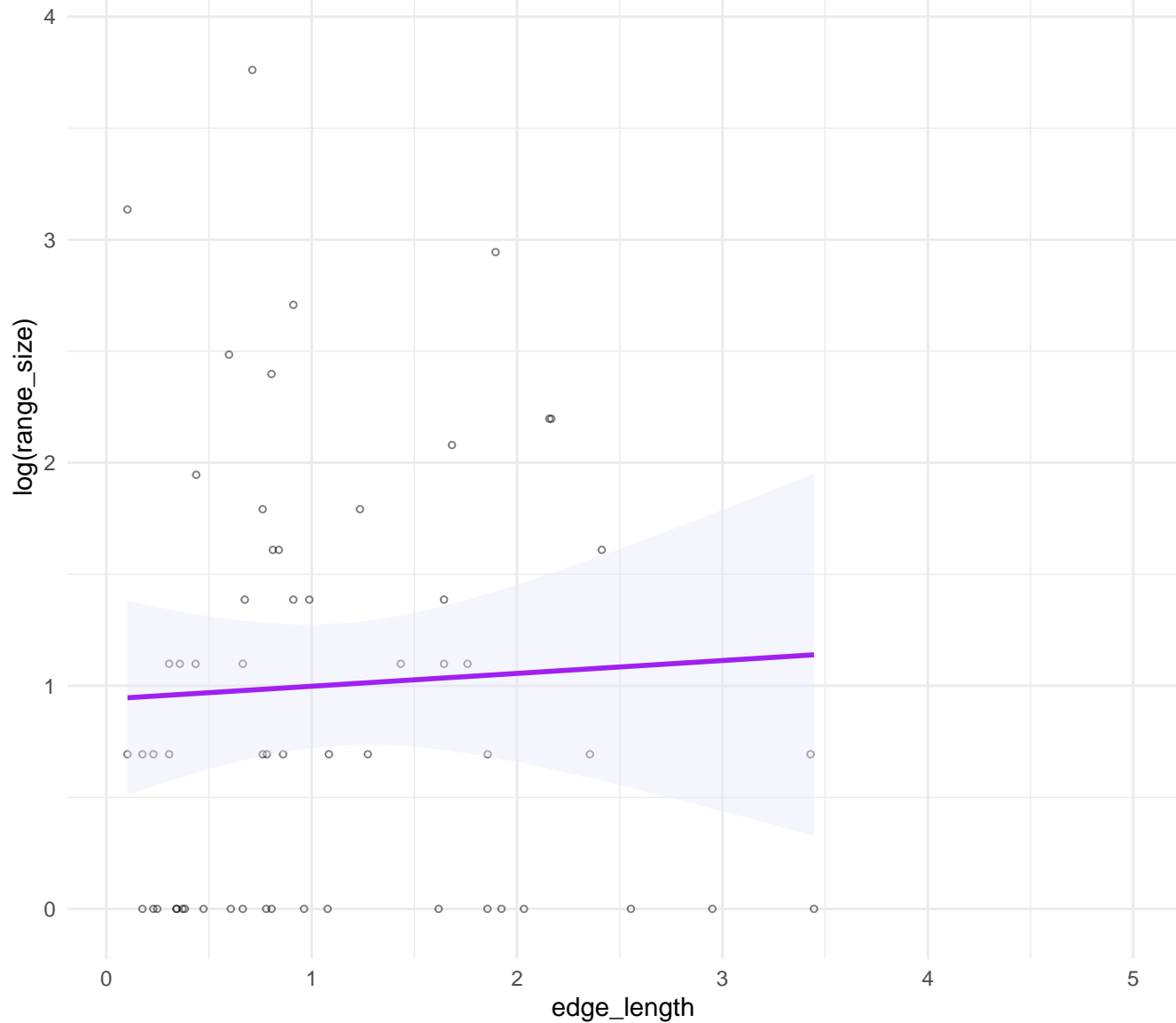
log(range_size)

edge_length



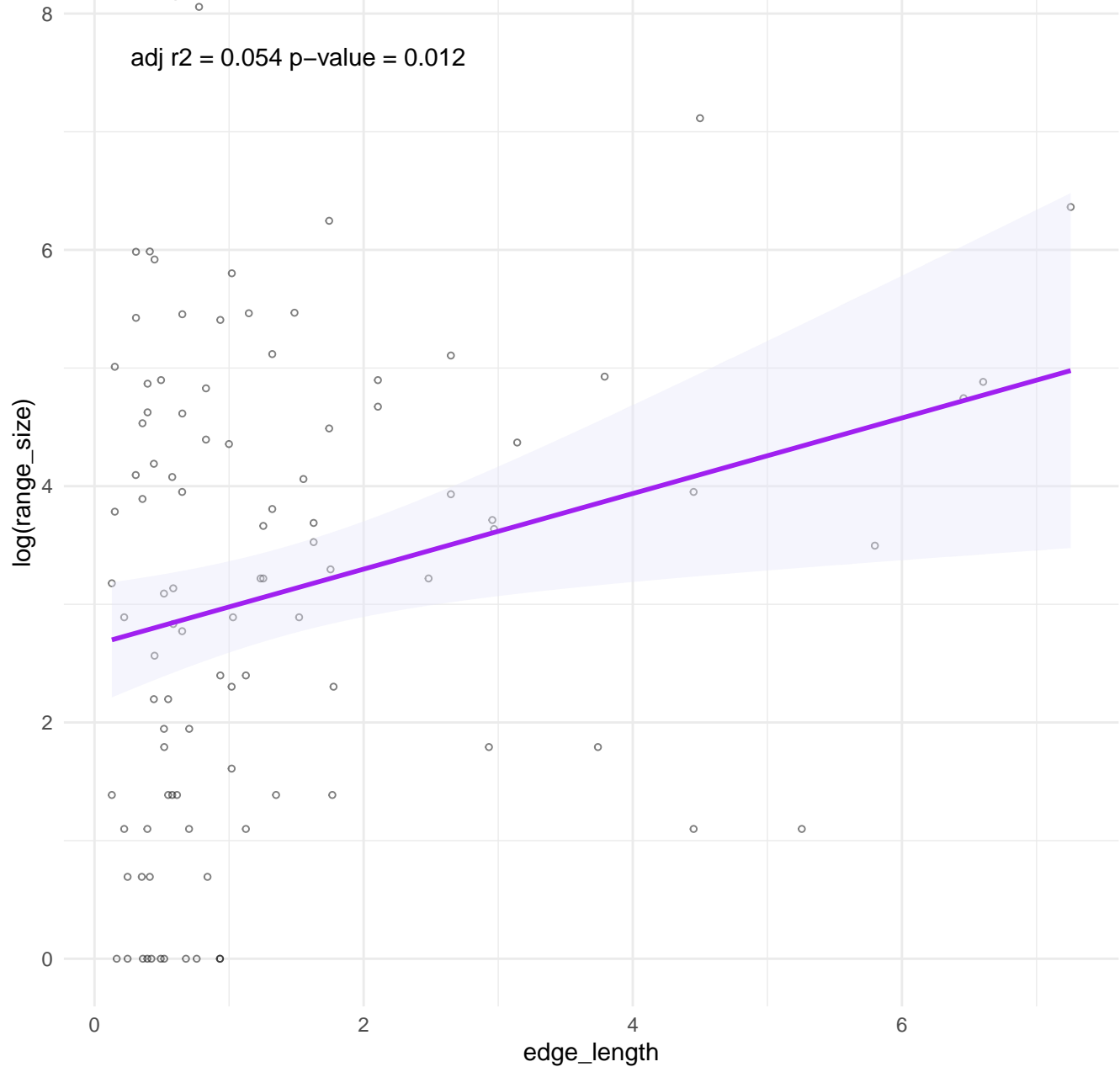
Lobelioideae-Lagomarsino_et_al-2017.tree

adj r2 = -0.015 p-value = 0.728



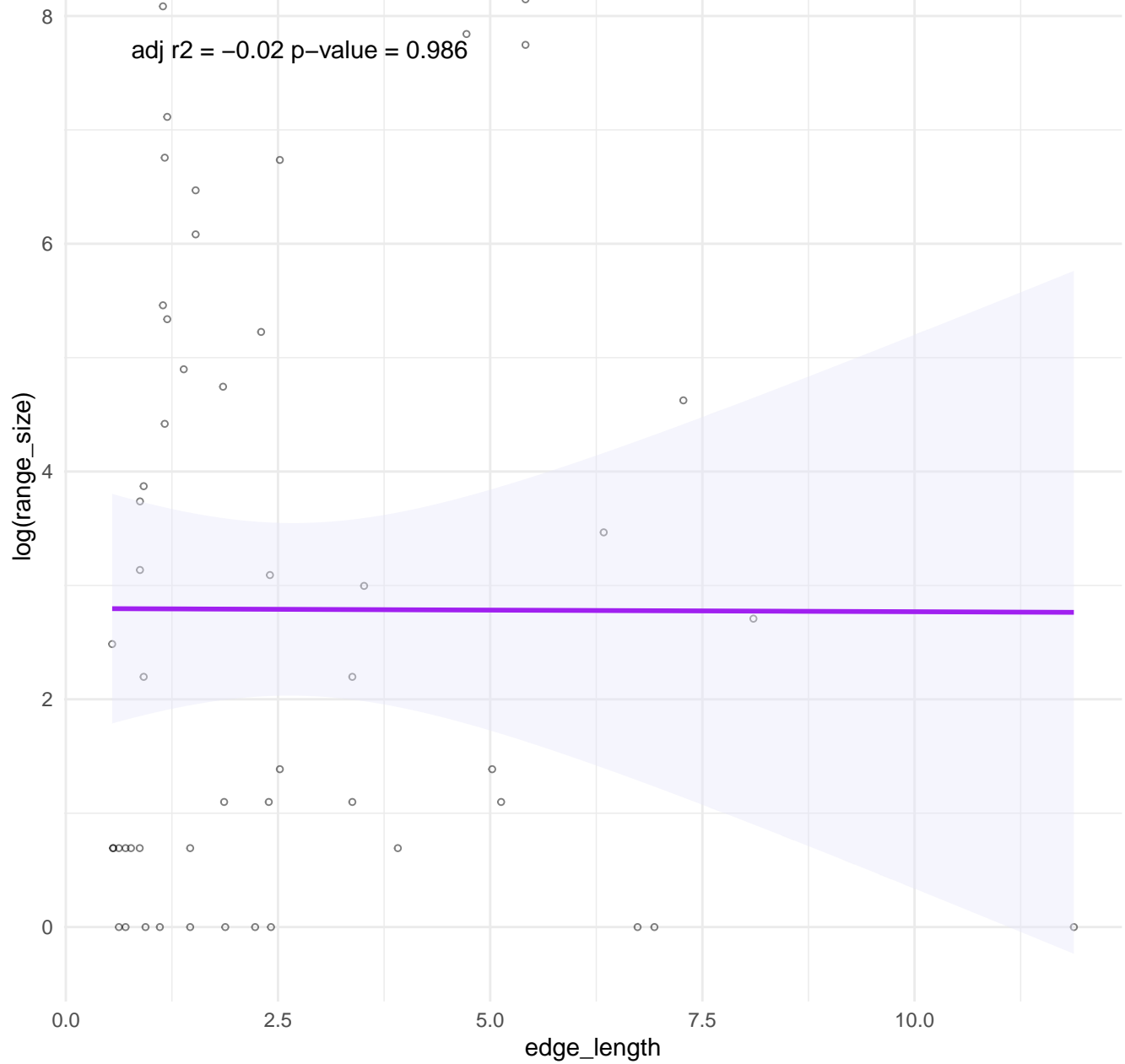
Lupinus-Drummond_et_al-2012.tree

adj r2 = 0.054 p-value = 0.012

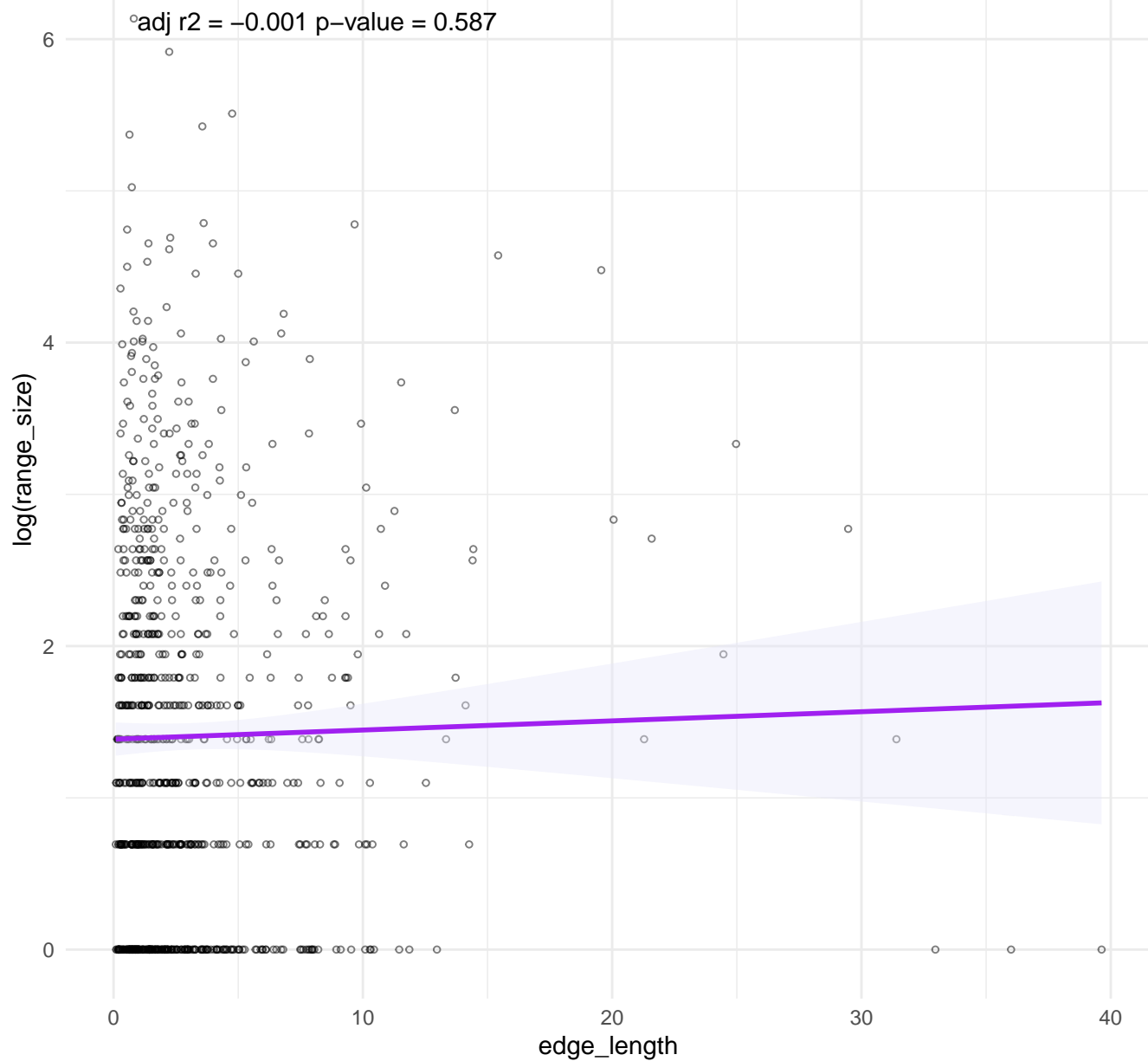


Lysimachieae-Yan_et_al-2018.tree

adj r2 = -0.02 p-value = 0.986



Melastomataceae-Reginato_et_al-2022.tree



Meliaceae-Koenen_et_al-2015.tree

adj r2 = 0.016 p-value = 0.065

log(range_size)

0

2

4

6

8

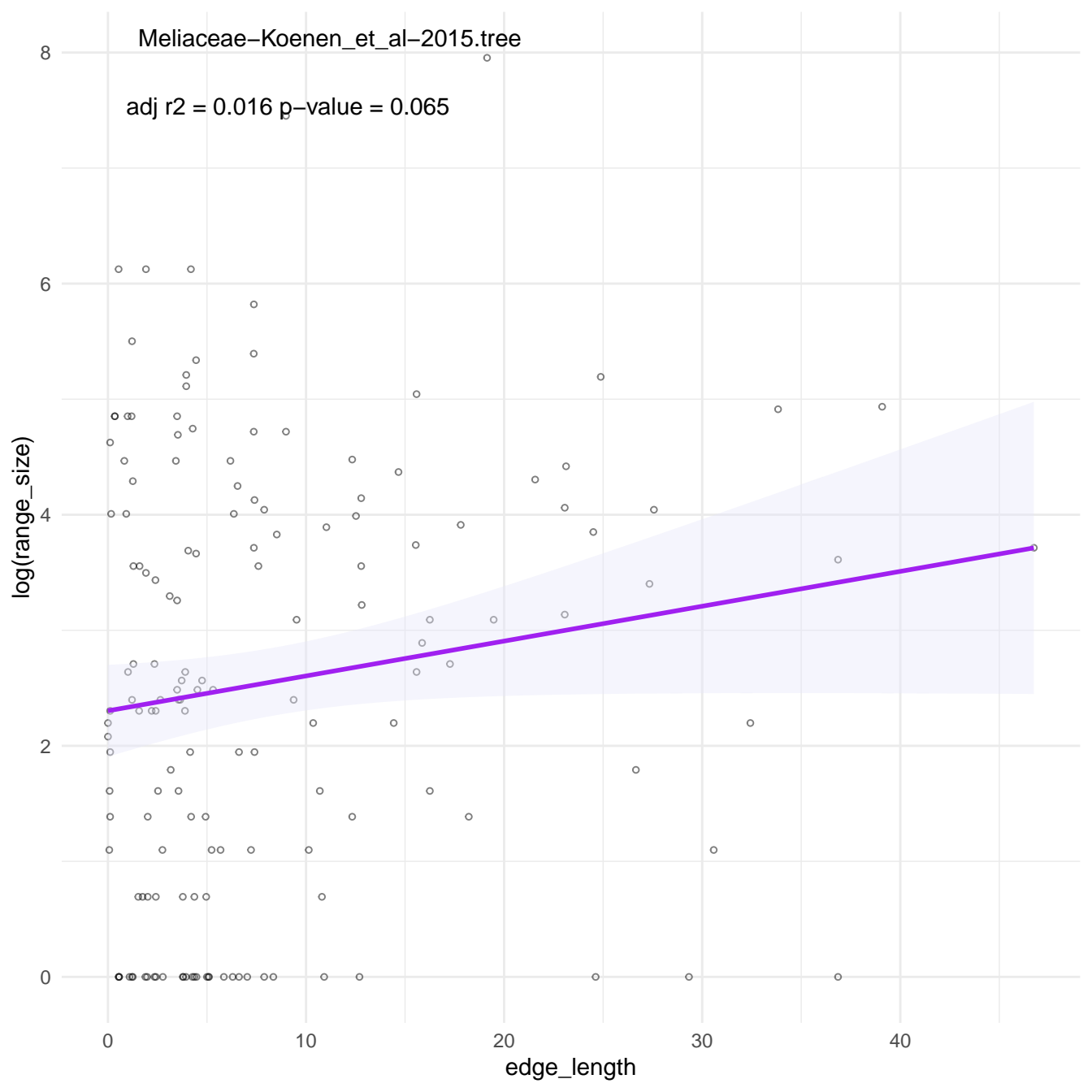
edge_length

10

20

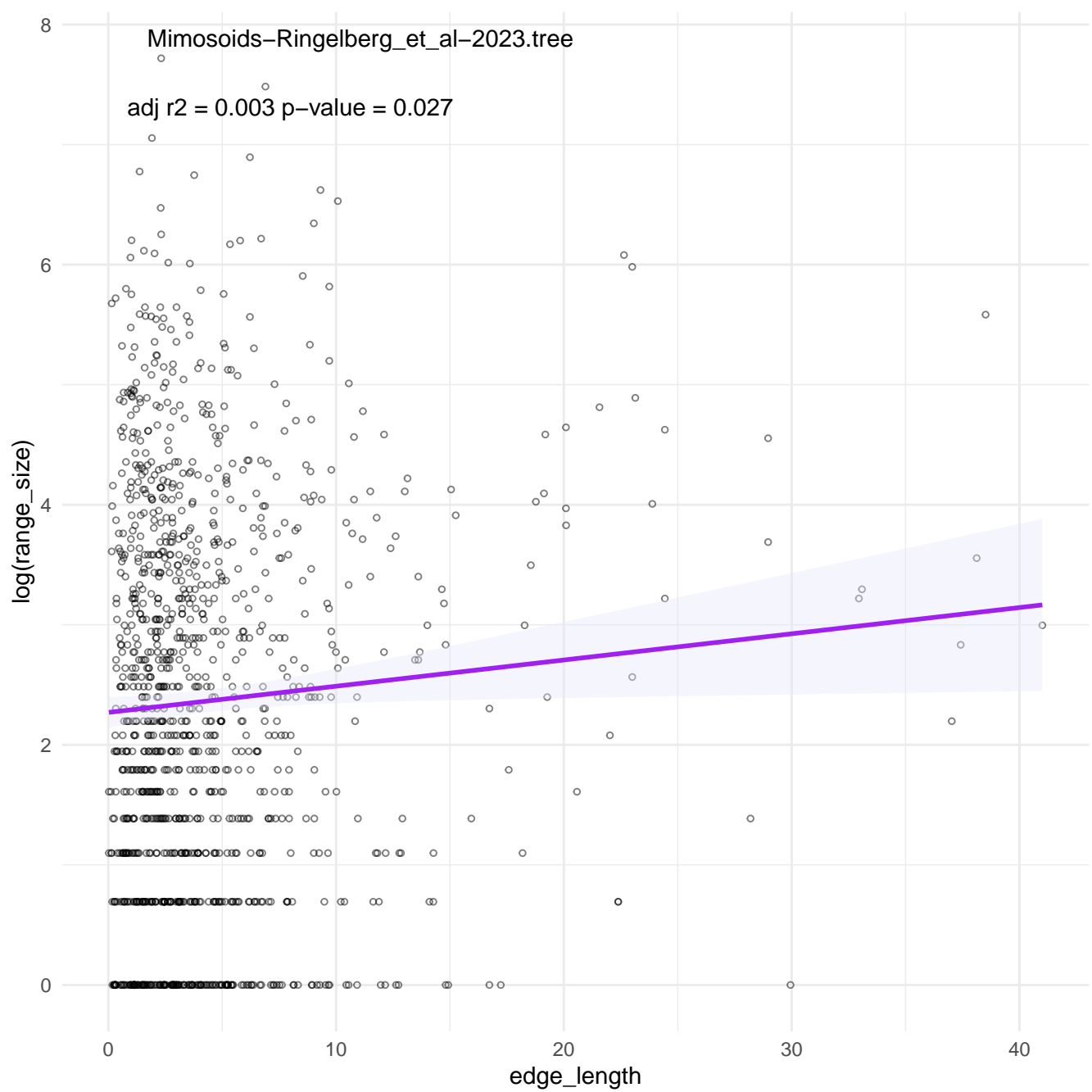
30

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Mimosoids-Ringelberg_et_al-2023.tree

adj r2 = 0.003 p-value = 0.027



Myrteae-NMWG-in_prep.tree

adj r2 = 0.022 p-value = 0.004

log(range_size)

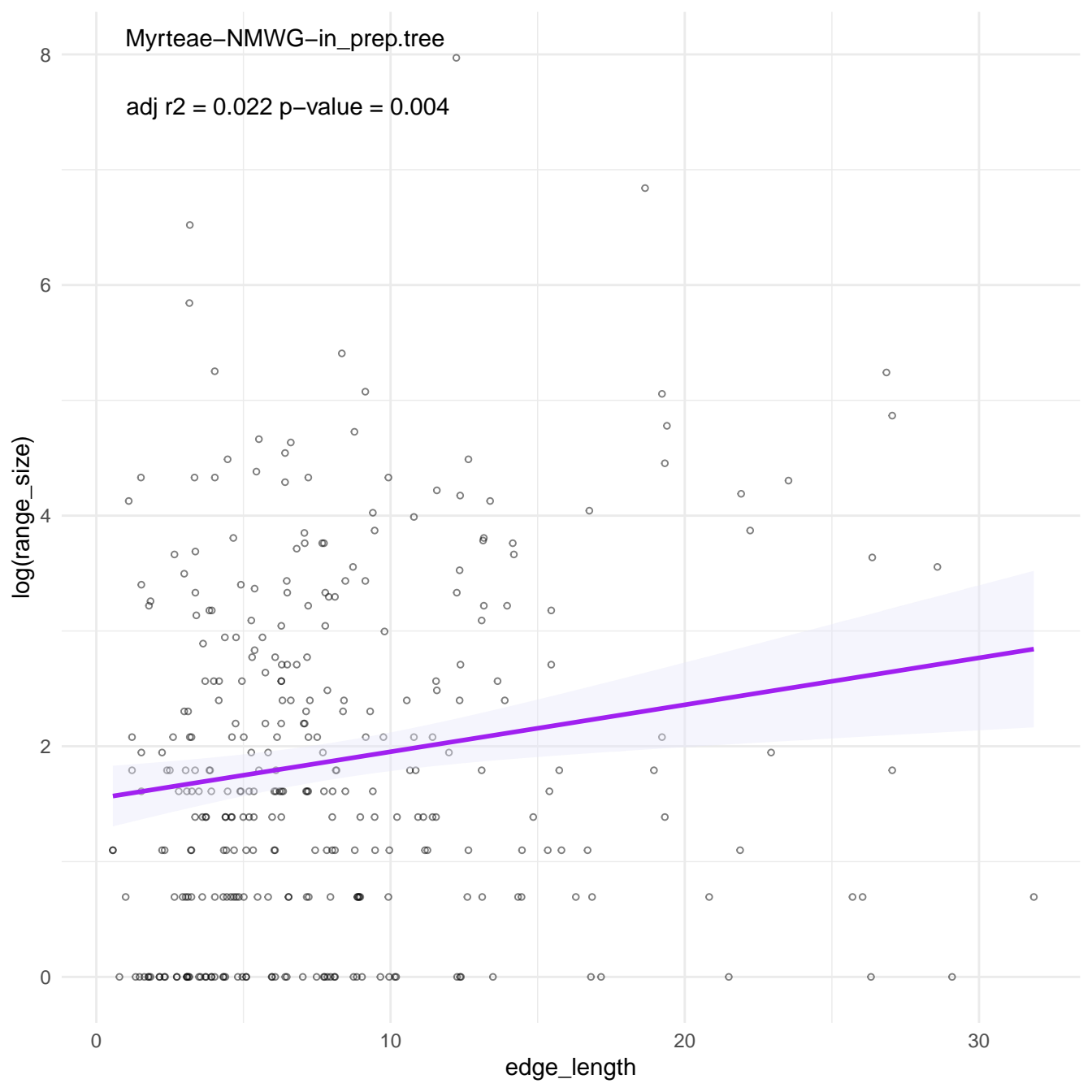
0

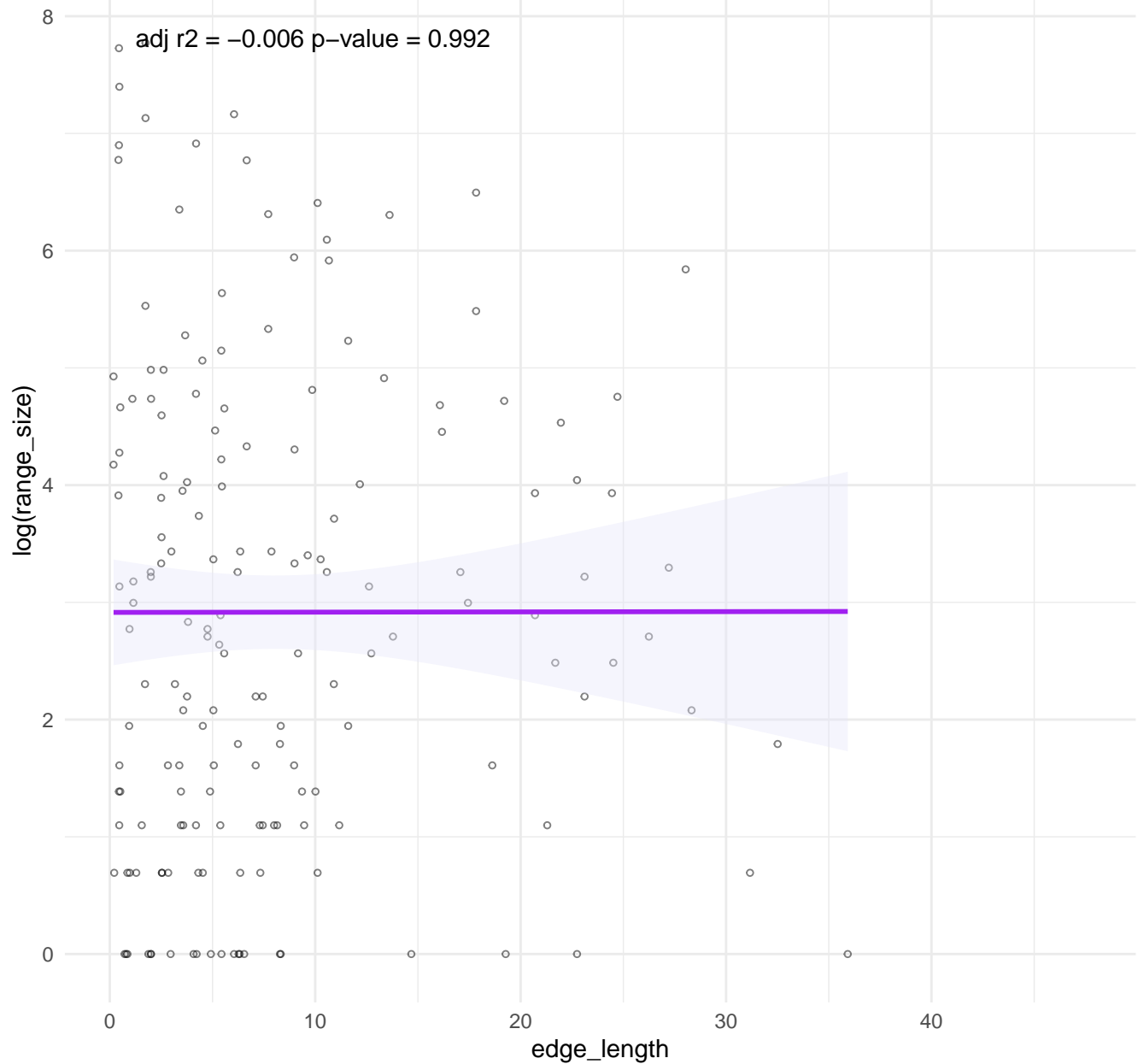
10

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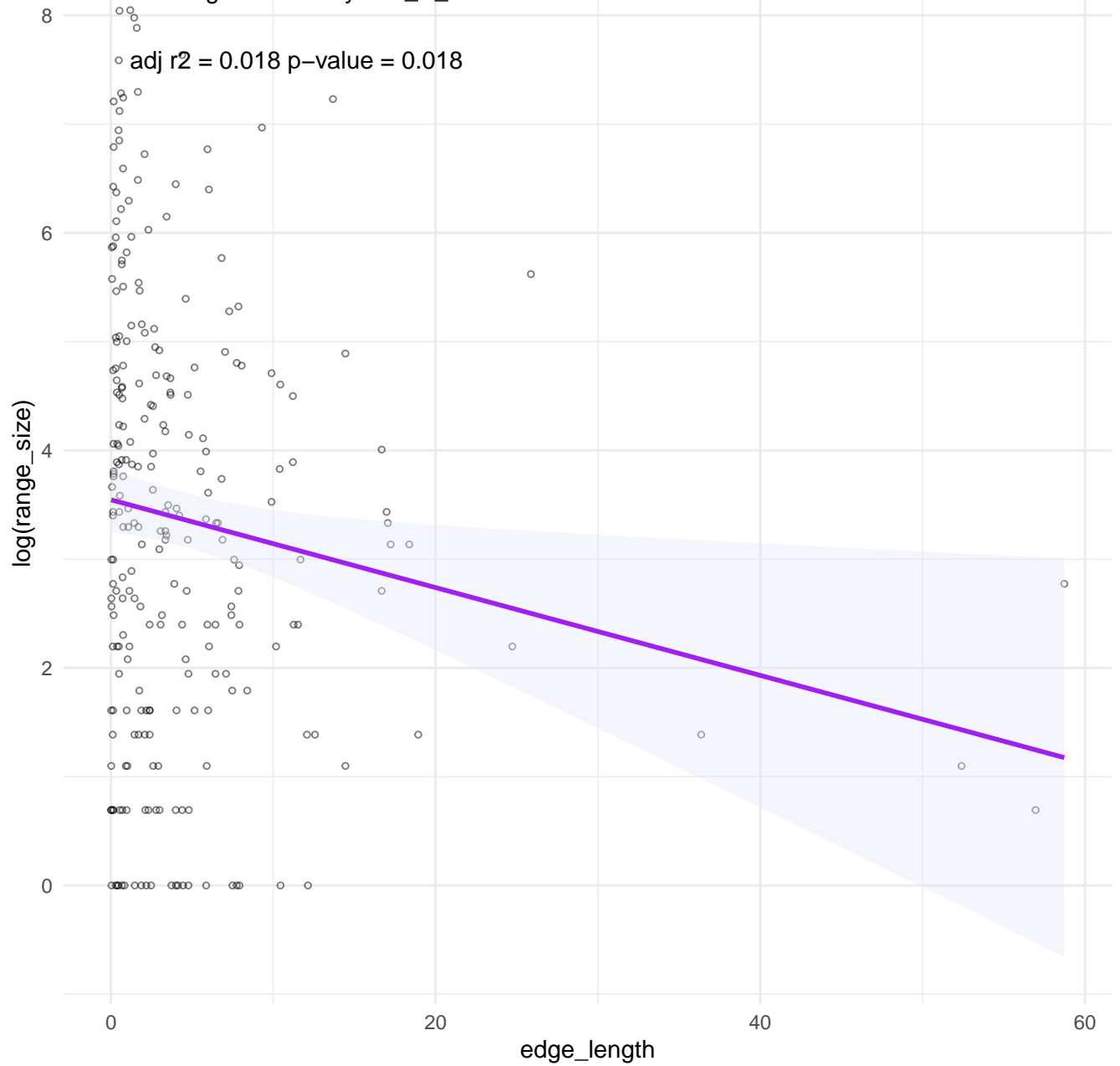
30

edge_length

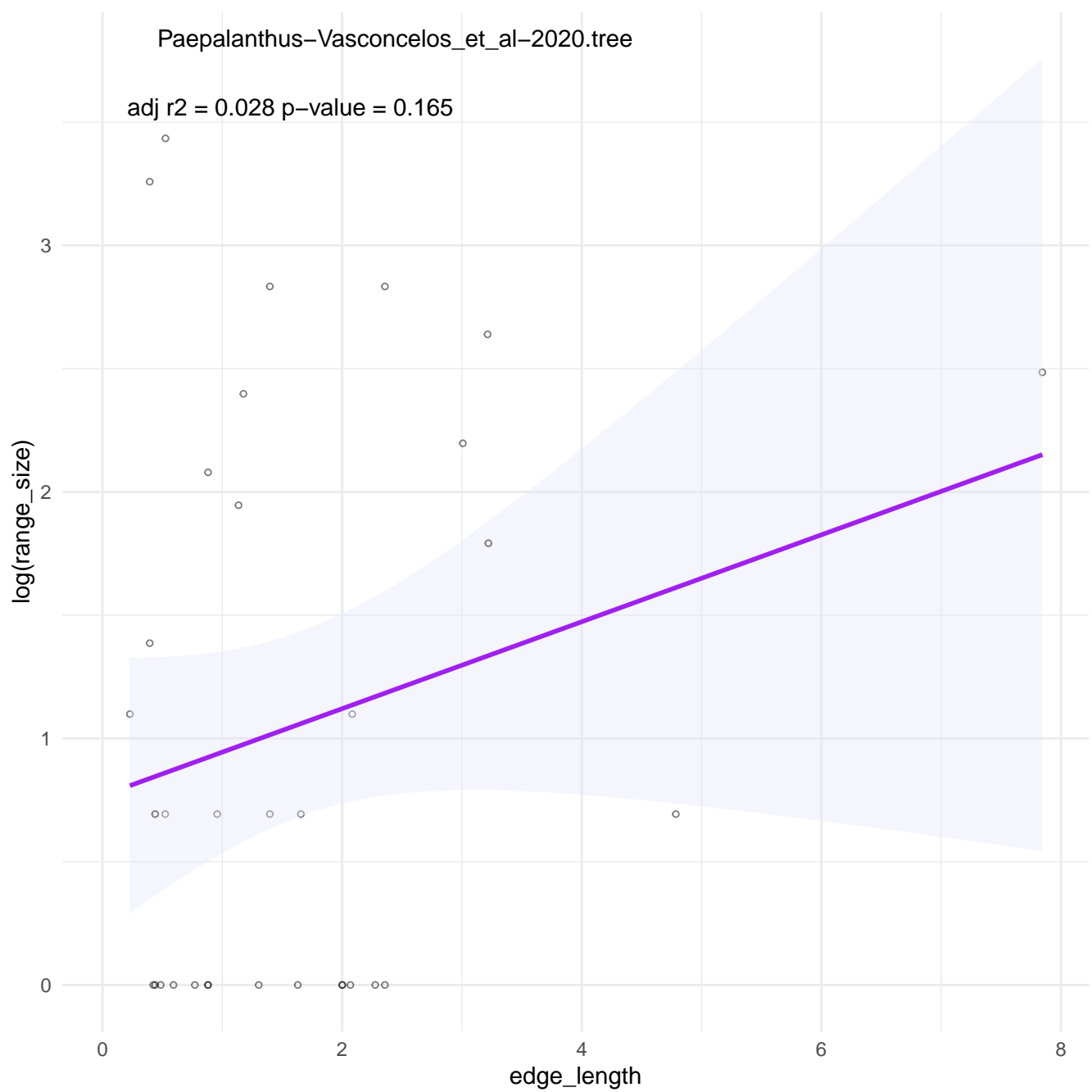




Onagraceae-Freyman_&_Hohna-2018.tree

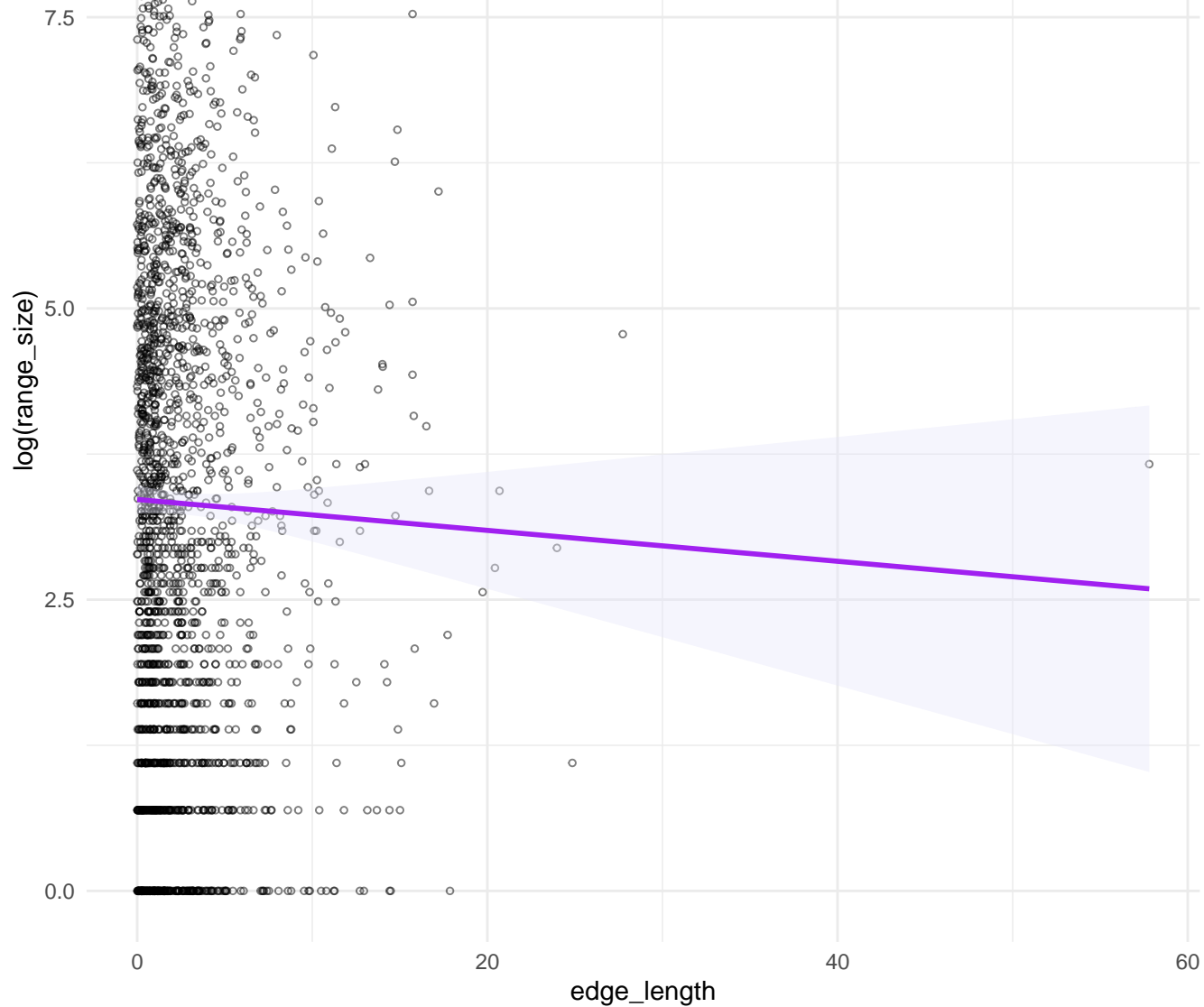


adj r2 = 0.028 p-value = 0.165



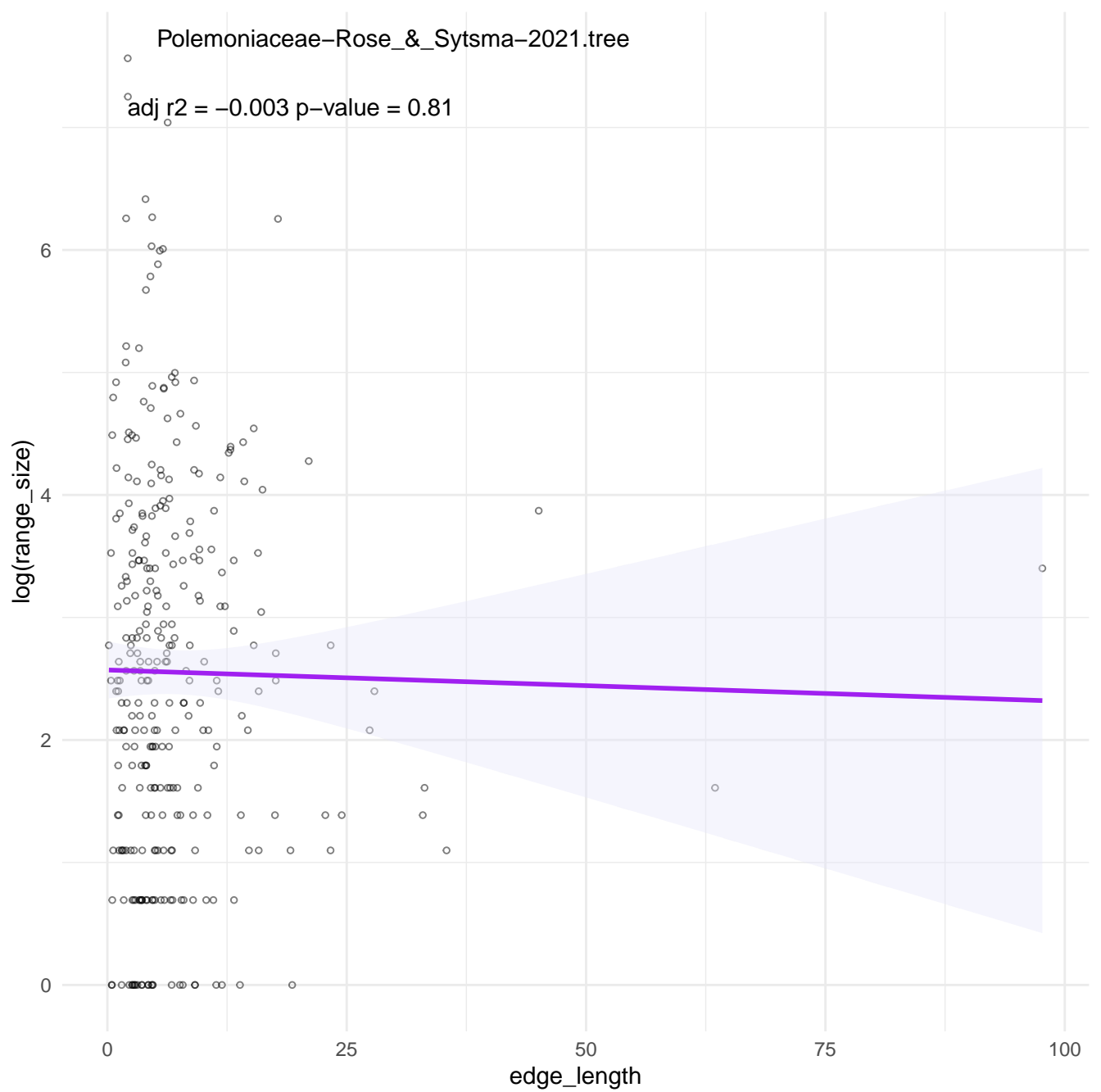
Poaceae–Spriggs_et_al–2014.tree

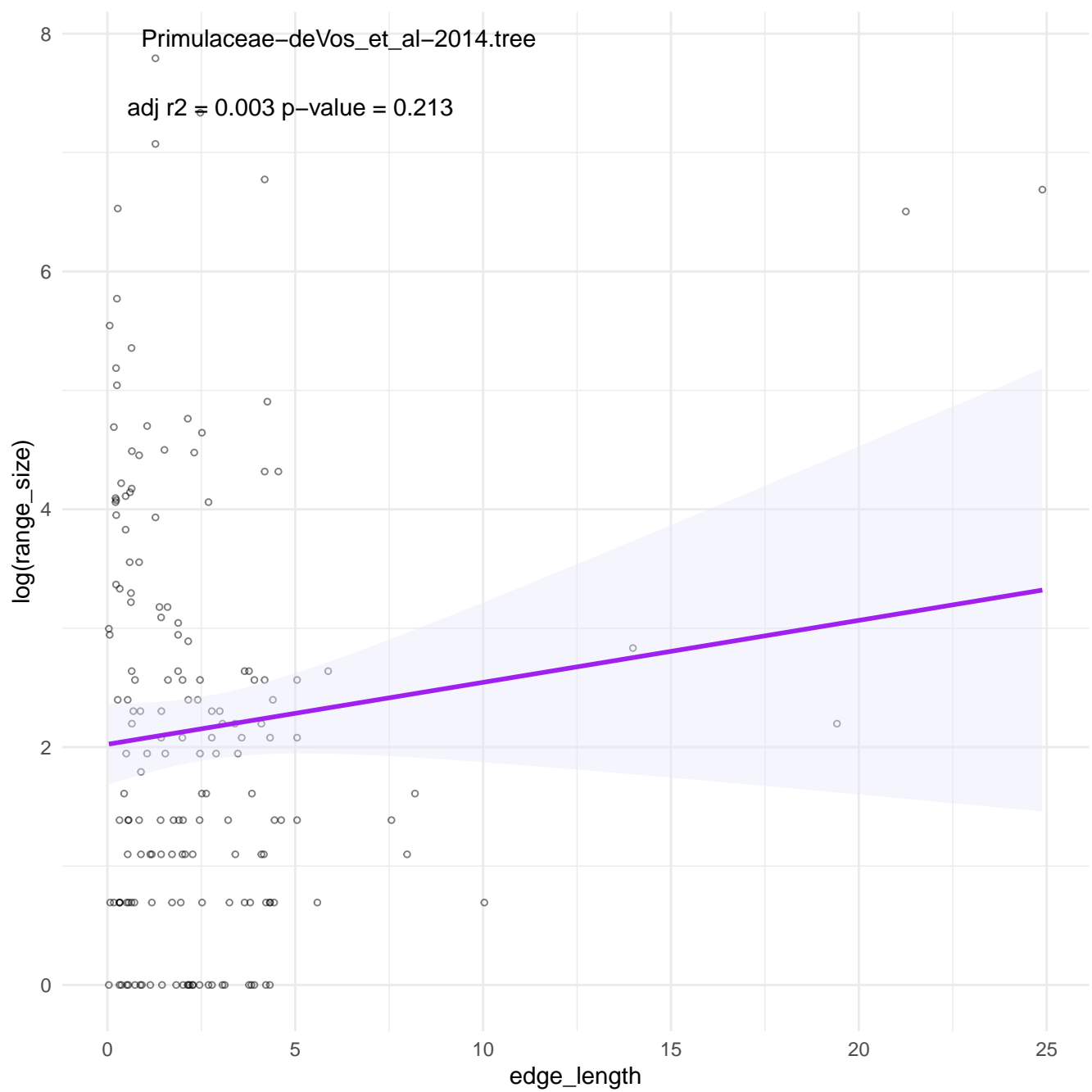
adj r2 = 0 p-value = 0.361



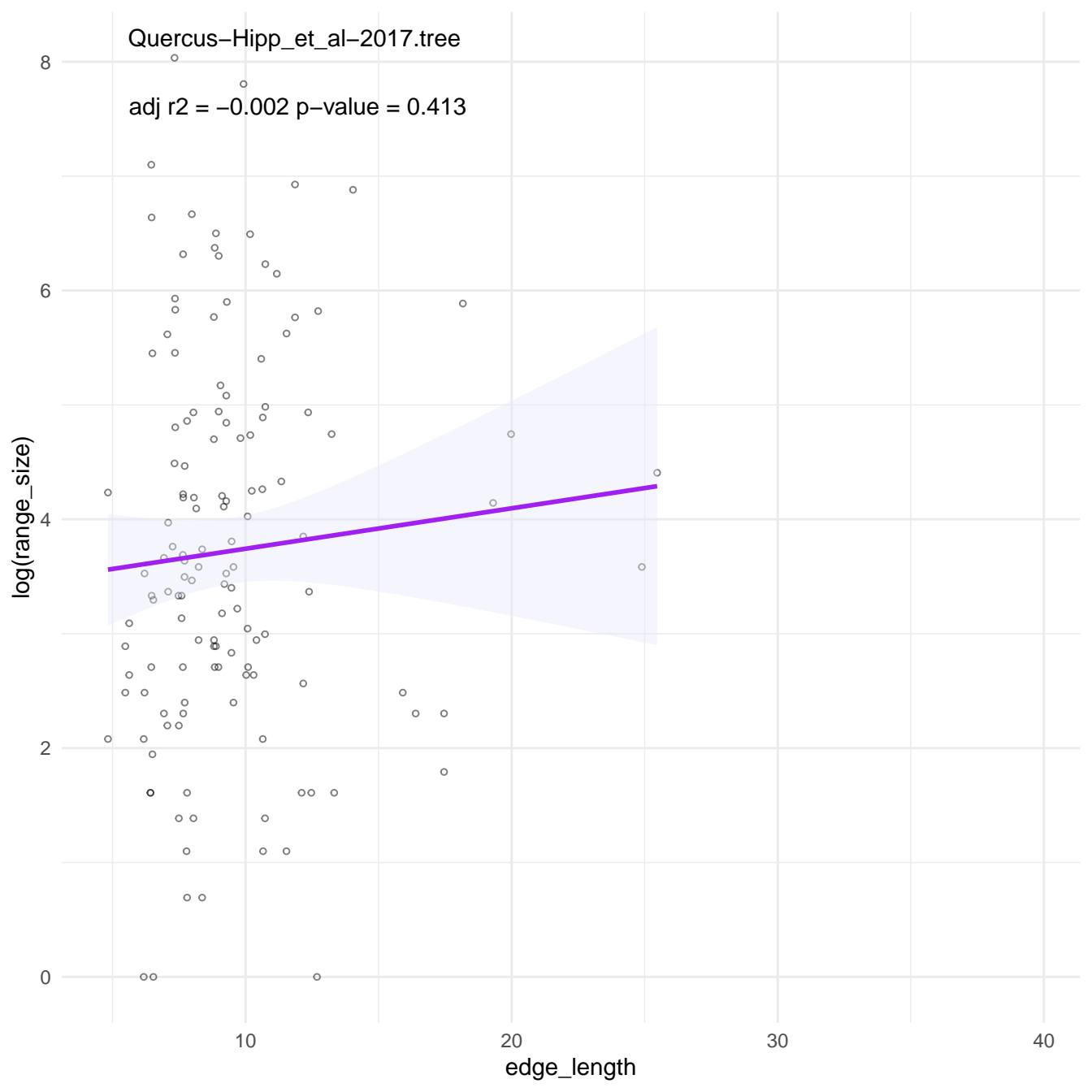
Polemoniaceae-Rose_&_Sytsma-2021.tree

adj r² = -0.003 p-value = 0.81



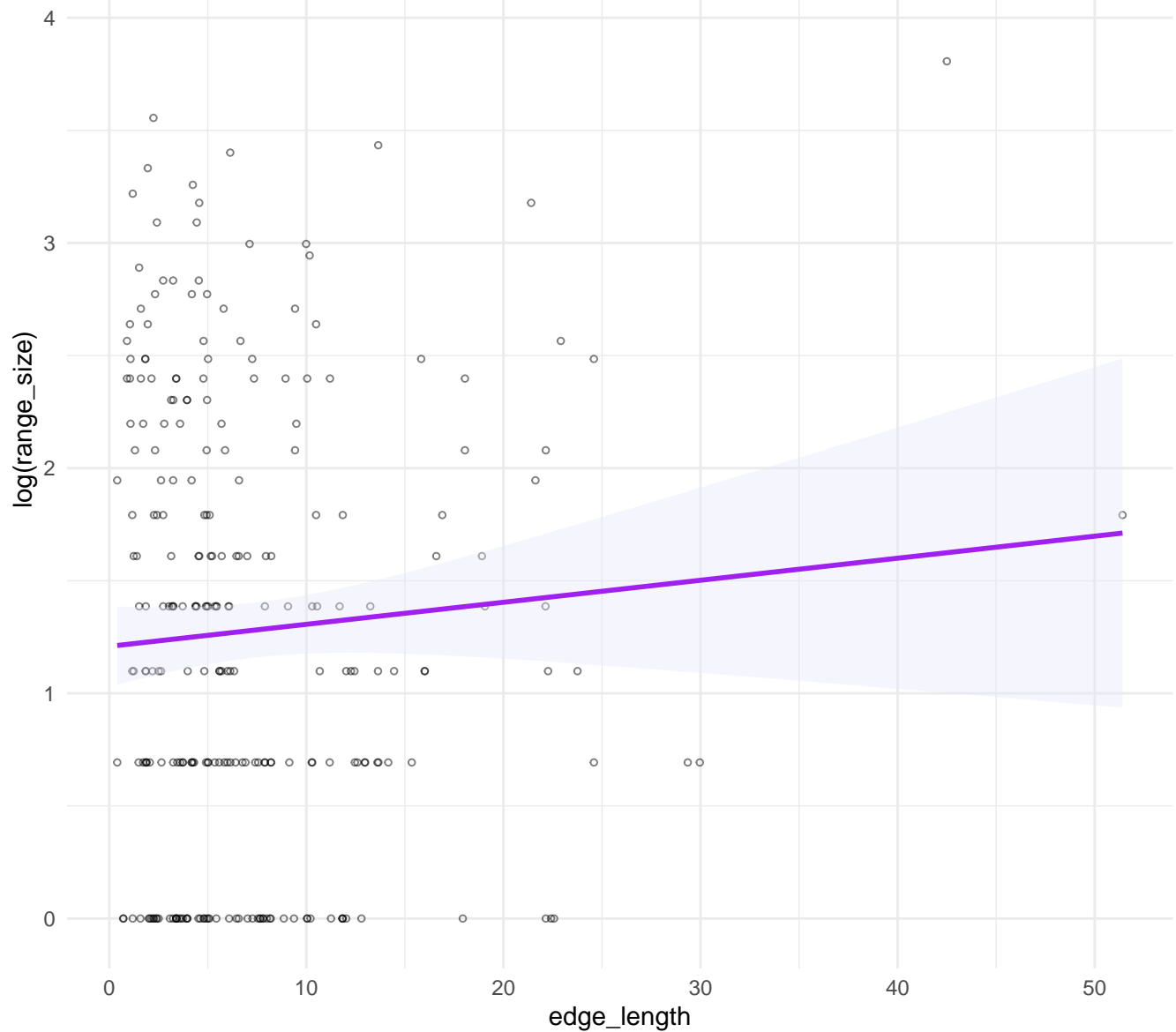


adj r2 = -0.002 p-value = 0.413



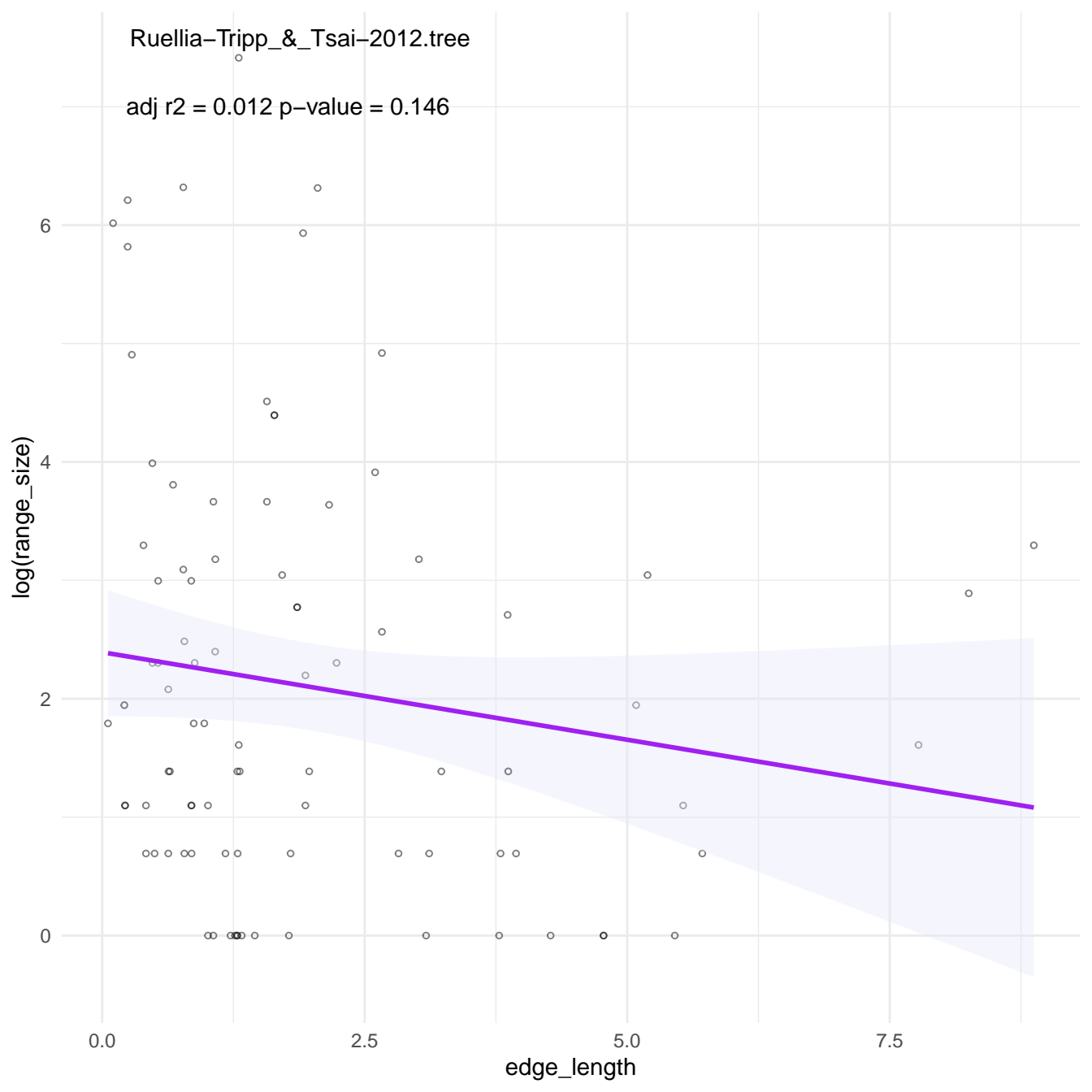
Restionaceae-Linder-2020.tree

adj r2 = 0.001 p-value = 0.269



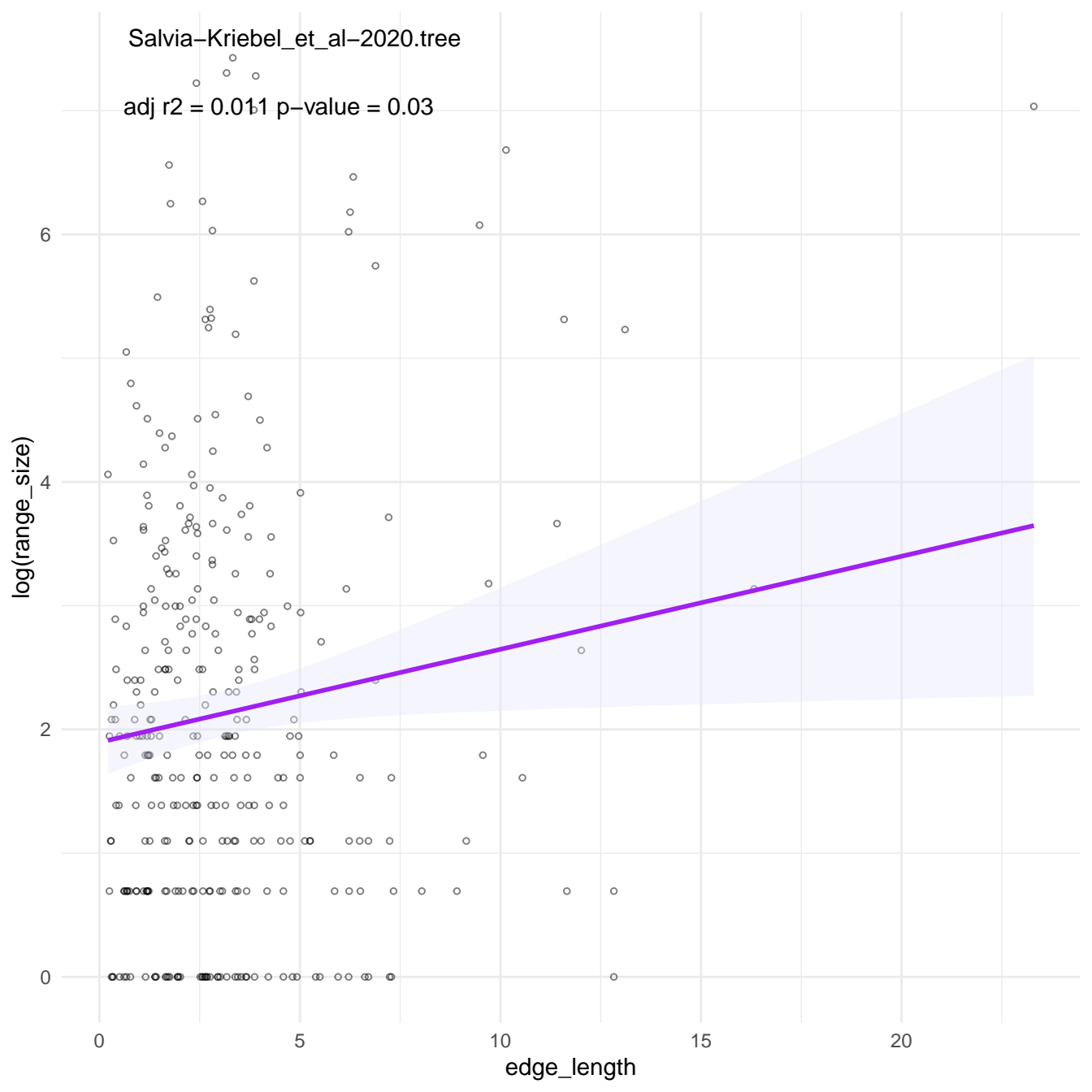
Ruellia-Tripp_&_Tsai-2012.tree

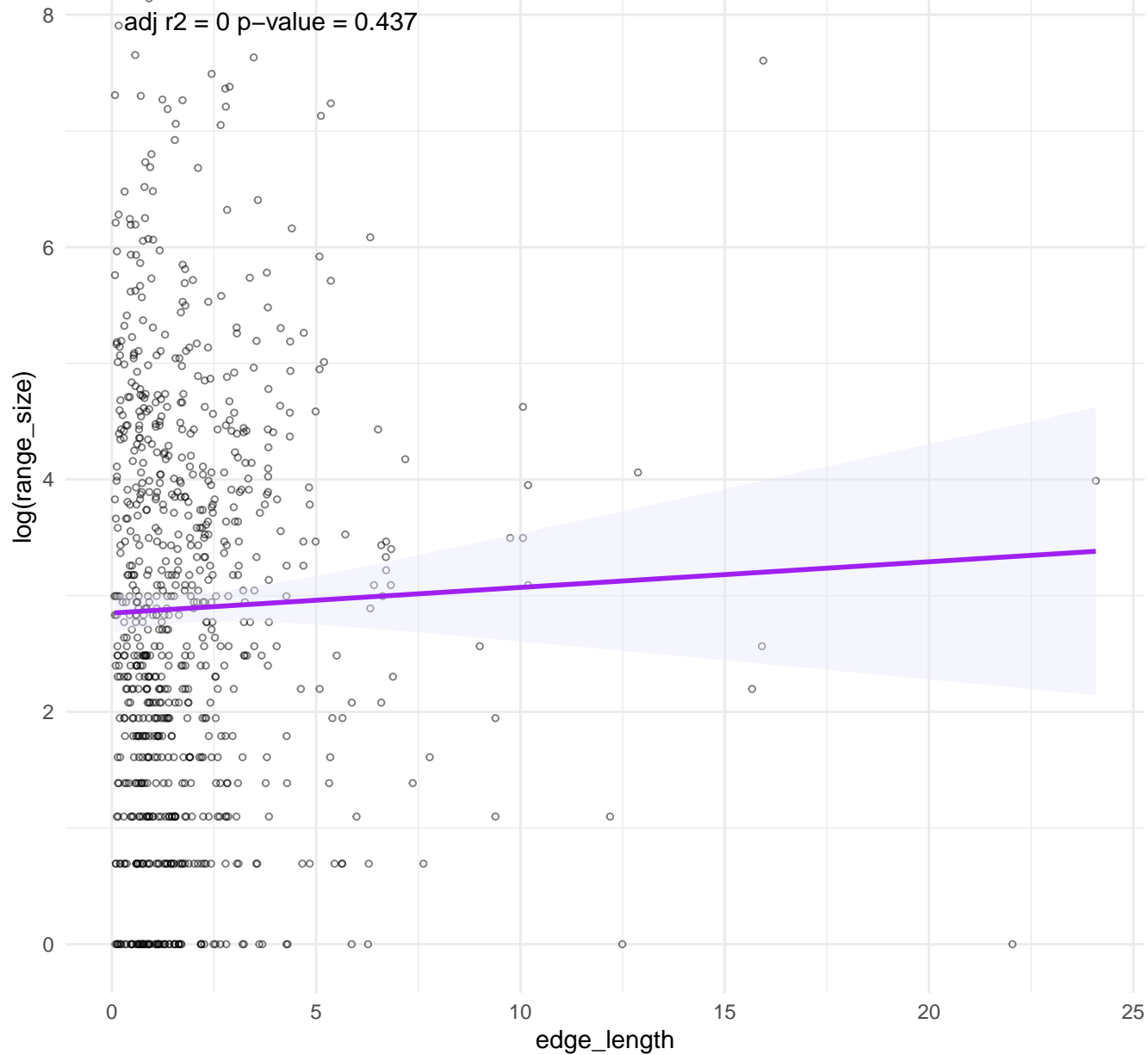
adj r2 = 0.012 p-value = 0.146



Salvia-Kriebel_et_al-2020.tree

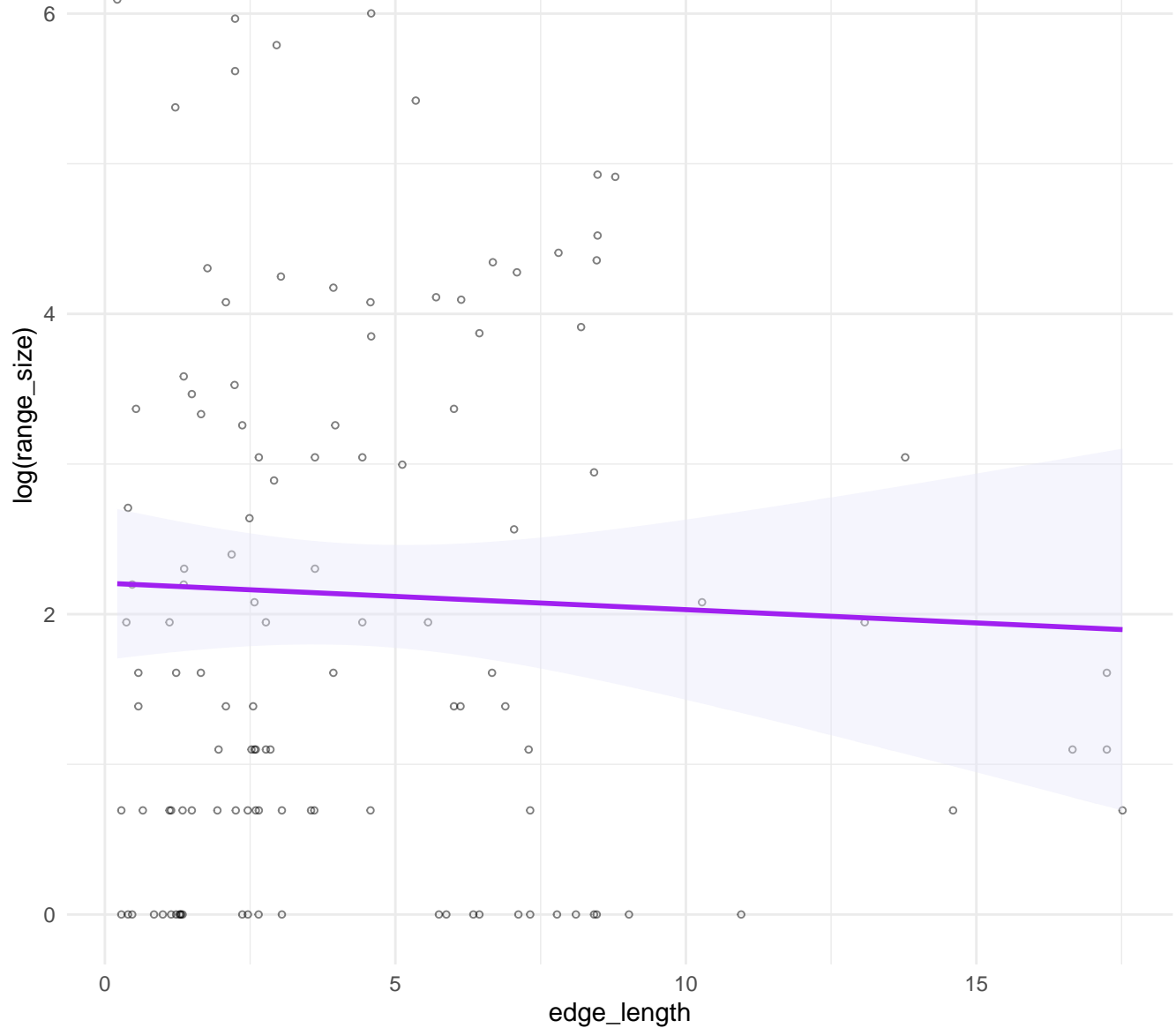
adj r2 = 0.011 p-value = 0.03





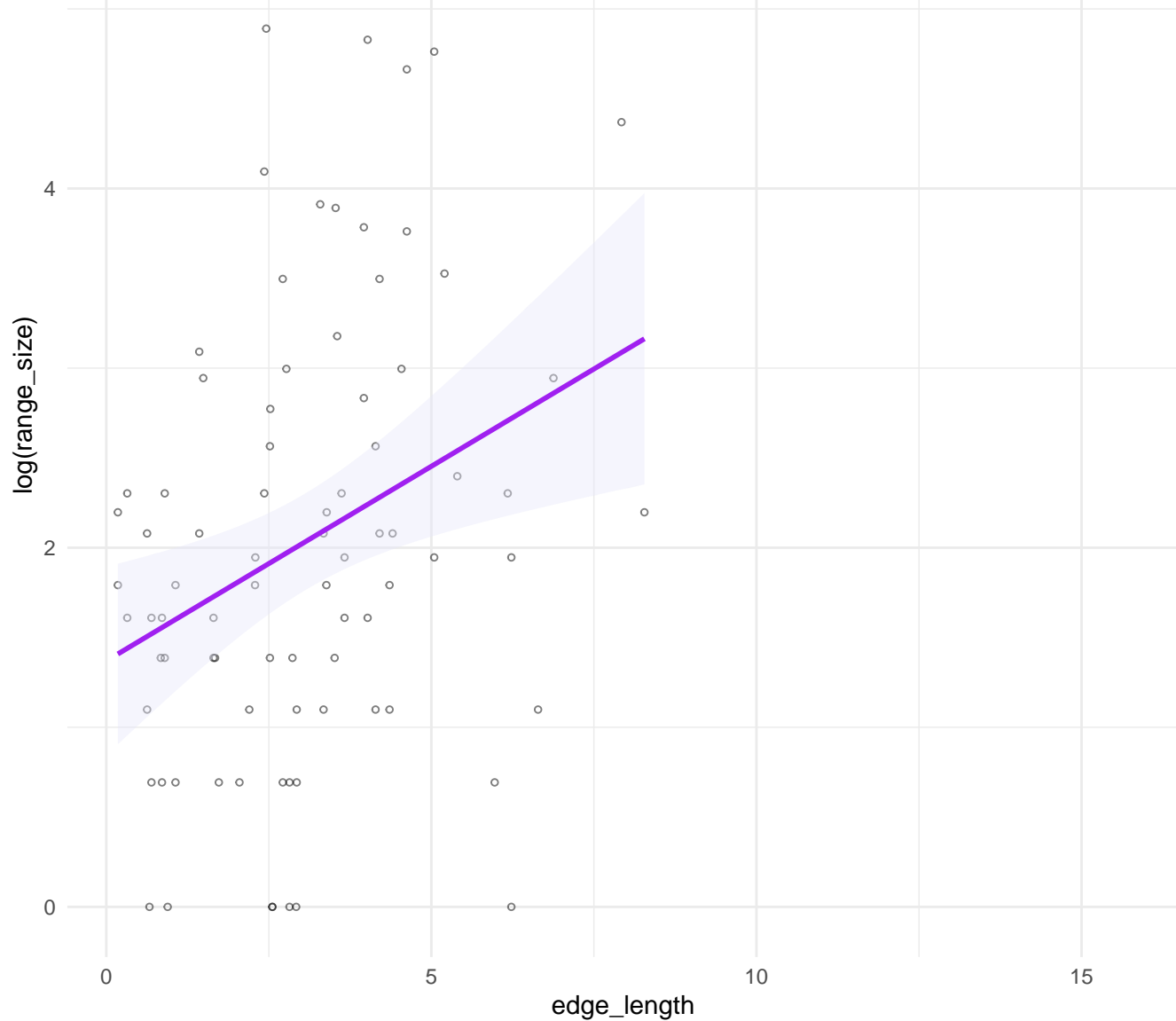
Spermacocee-Neupane_et_al-2017.tree

adj r2 = -0.007 p-value = 0.692



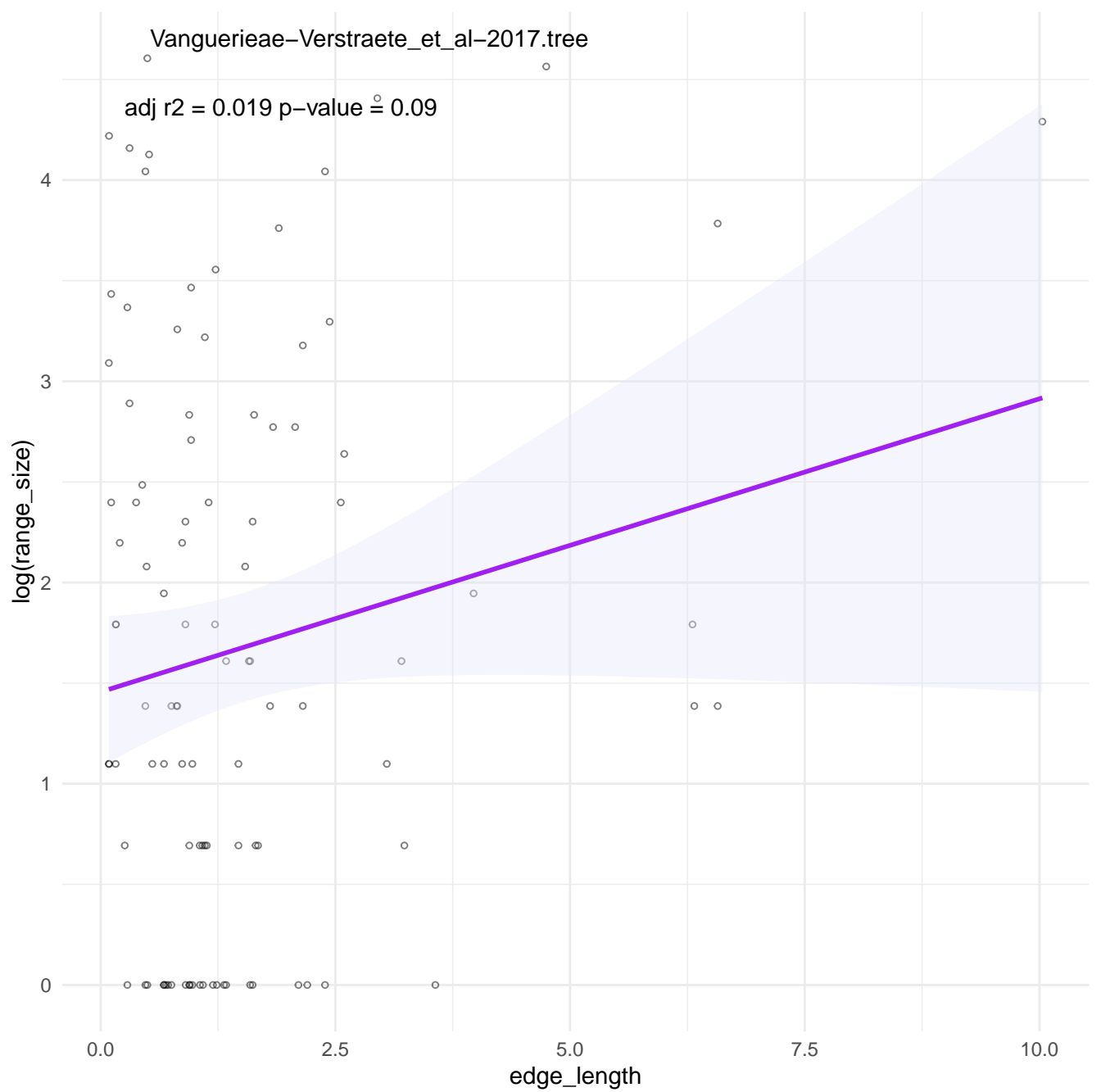
Thelypodieae-Huang_et_al-2019.tree

adj r2 = 0.085 p-value = 0.004



Vanguerieae-Verstraete_et_al-2017.tree

adj r2 = 0.019 p-value = 0.09



Velloziaceae-Alcantara_et_al-2018.tree

adj r2 = -0.008 p-value = 0.542

log(range_size)

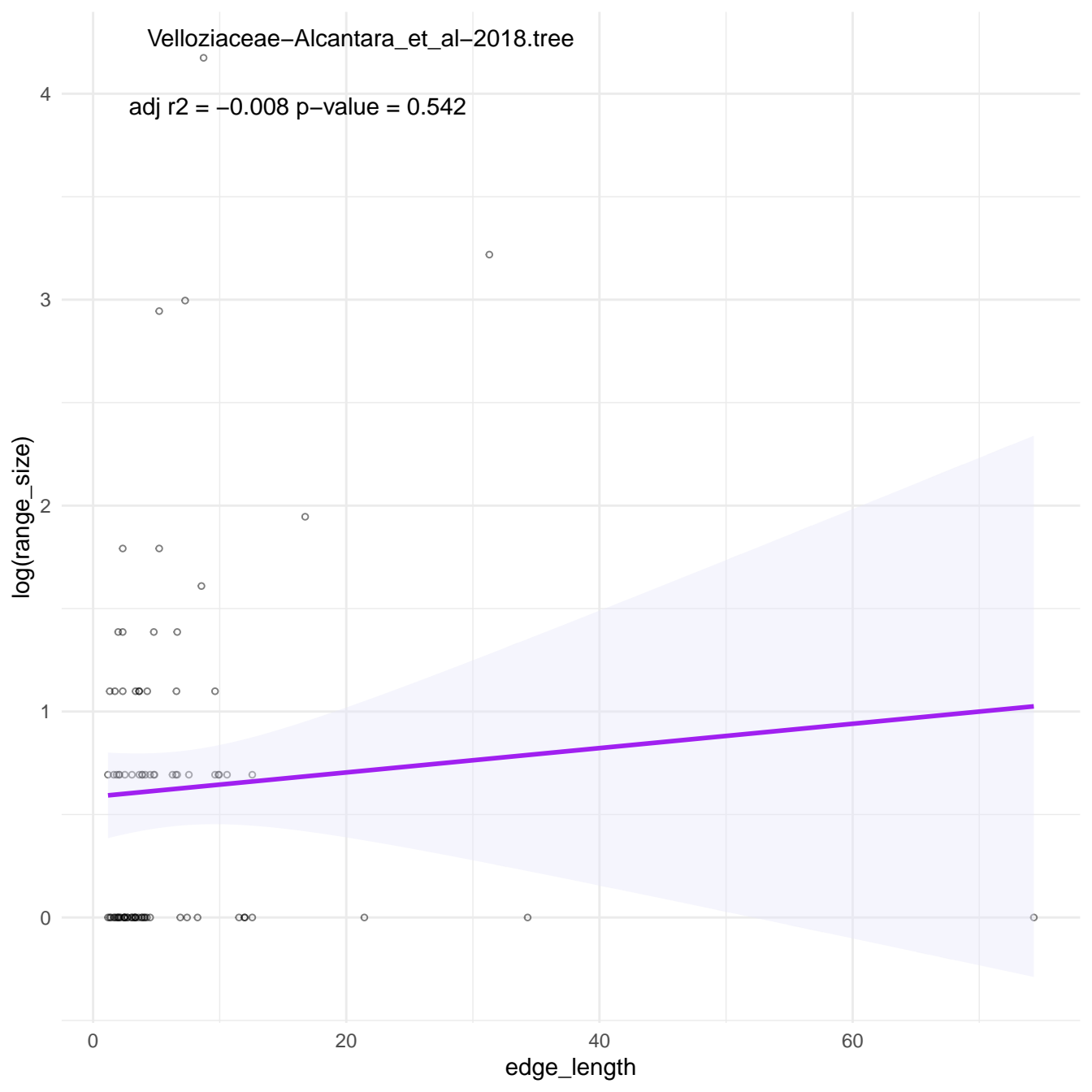
0

20

40

60

edge_length



Viburnum-Landis_et_al-2021.tree

adj r2 = -0.01 p-value = 0.927

log(range_size)

8

6

4

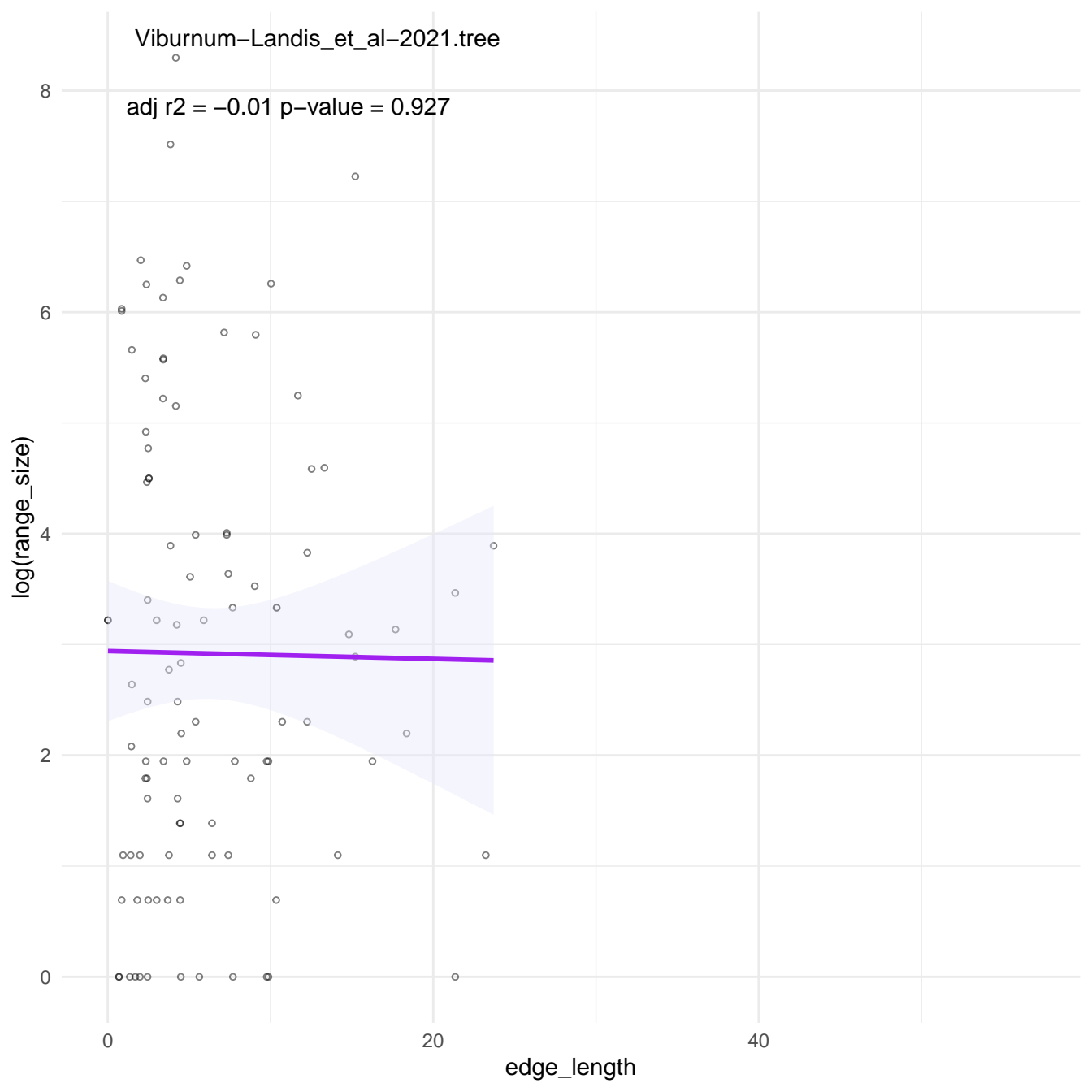
2

0

edge_length

20

40



Vrieseinae-Kessous_et_al-2020.tree

adj r2 = -0.022 p-value = 0.87

