

Givnish et al. – American Journal of Botany – Appendix S6. Partitions and models for across-monocots analysis.

Genes in partition	Best model	Site positions in data matrix
<i>petA, atpA</i>	GTR+I+Γ	23813-24821, 1-1572
<i>atpB</i>	GTR+I+Γ	1573-3217
<i>rpoB, atpE, rps14</i>	GTR+I+Γ	45292-49765, 3218-3654, 66351-66714
<i>atpF</i>	GTR+Γ	3655-4342
<i>atpH, psbJ, psbI</i>	GTR+I+Γ	4343-4594, 37388-37513, 37238-37387
<i>atpI</i>	GTR+I+Γ	4595-5383
<i>ccsA</i>	GTR+I+Γ	5384-6857
<i>cemA</i>	GTR+I+Γ	6858-7683
<i>clpP</i>	GTR+Γ	7684-8667
<i>rps15, infA</i>	GTR+I+Γ	66715-67070, 8668-9064
<i>matK</i>	GTR+I+Γ	9065-11347
<i>ndhA</i>	GTR+I+Γ	11348-12537
<i>ndhB</i>	GTR+I+Γ	12538-14200
<i>ndhC</i>	GTR+I+Γ	14201-14609
<i>ndhD, psaJ</i>	GTR+I+Γ	14610-16443, 31230-31404
<i>ndhE</i>	GTR+Γ	16444-16840
<i>ndhF</i>	GTR+I+Γ	16841-19663
<i>ndhG, psal</i>	GTR+I+Γ	19664-20331, 31099-31229
<i>ndhH</i>	GTR+I+Γ	20332-21578
<i>ndhI</i>	GTR+I+Γ	21579-22188
<i>ndhJ</i>	GTR+I+Γ	22189-22739
<i>ndhK</i>	GTR+I+Γ	22740-23812
<i>psbC, psaB, psbD, petB</i>	GTR+I+Γ	34048-35497, 28611-30852, 35498-36602, 24822-25497
<i>petD, psbB, psaC</i>	GTR+I+Γ	25498-25987, 32489-34047, 30853-31098
<i>petG, psbZ, petL</i>	GTR+I+Γ	25988-26101, 38220-38414, 26102-26227
<i>psbE, petN, psbN</i>	GTR+I+Γ	36603-36854, 26228-26317, 37969-38102
<i>psaA</i>	GTR+I+Γ	26318-28610
<i>psbA</i>	GTR+I+Γ	31405-32488
<i>psbM, psbF</i>	GTR+I+Γ	37852-37968, 36855-36979
<i>psbH</i>	GTR+I+Γ	36980-37237
<i>psbK</i>	GTR+I+Γ	37514-37728
<i>psbL</i>	GTR+I+Γ	37729-37851
<i>psbT</i>	GTR+I+Γ	38103-38219
<i>rbcL</i>	GTR+I+Γ	38415-39883
<i>rpl2</i>	GTR+I+Γ	39884-40725
<i>rpl36, rpl14</i>	GTR+I+Γ	43710-43827, 40726-41174

<i>rpl16</i>	GTR+I+Γ	41175-41618
<i>rpl20</i>	GTR+I+Γ	41619-42006
<i>rpl22</i>	GTR+I+Γ	42007-42648
<i>rps7, rpl23</i>	GTR+Γ	64216-64856, 42649-43130
<i>rpl32</i>	GTR+I+Γ	43131-43462
<i>rpoA, rpl33</i>	GTR+Γ	43828-45291, 43463-43709
<i>rpoC1, rps2</i>	GTR+Γ	49766-52563, 61498-62352
<i>rpoC2</i>	GTR+I+Γ	52564-61497
<i>rps3</i>	GTR+I+Γ	62353-63419
<i>rps4</i>	GTR+I+Γ	63420-64215
<i>rps19, rps8</i>	GTR+I+Γ	67960-68319, 64857-65363
<i>rps11</i>	GTR+I+Γ	65364-65942
<i>rps12</i>	GTR+I+Γ	65943-66350
<i>rps16</i>	GTR+I+Γ	67071-67347
<i>rps18</i>	GTR+Γ	67348-67959
<i>ycf2</i>	GTR+Γ	68320-82358
<i>ycf3</i>	GTR+I+Γ	82359-82890
<i>ycf4</i>	GTR+I+Γ	82891-83487