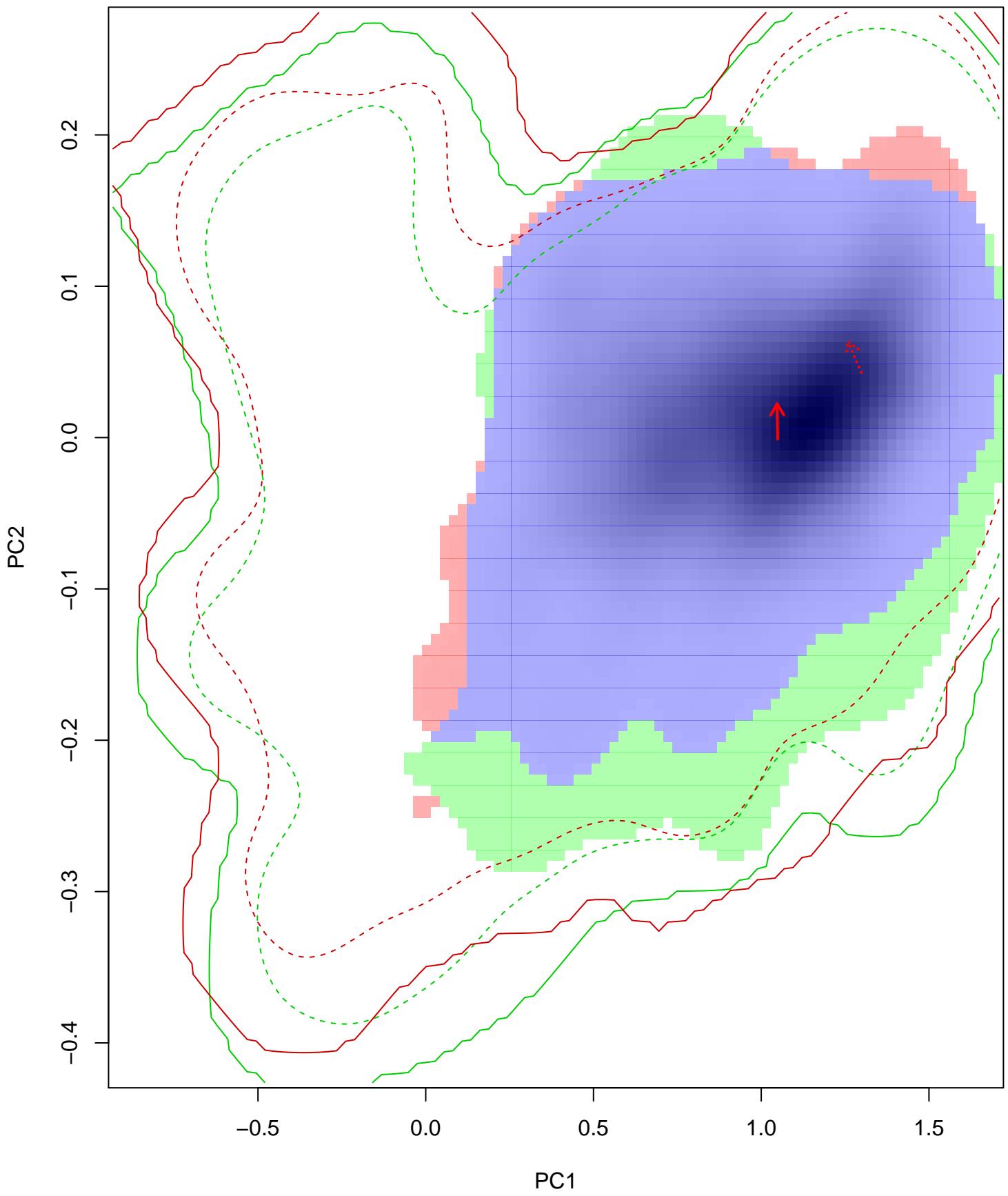
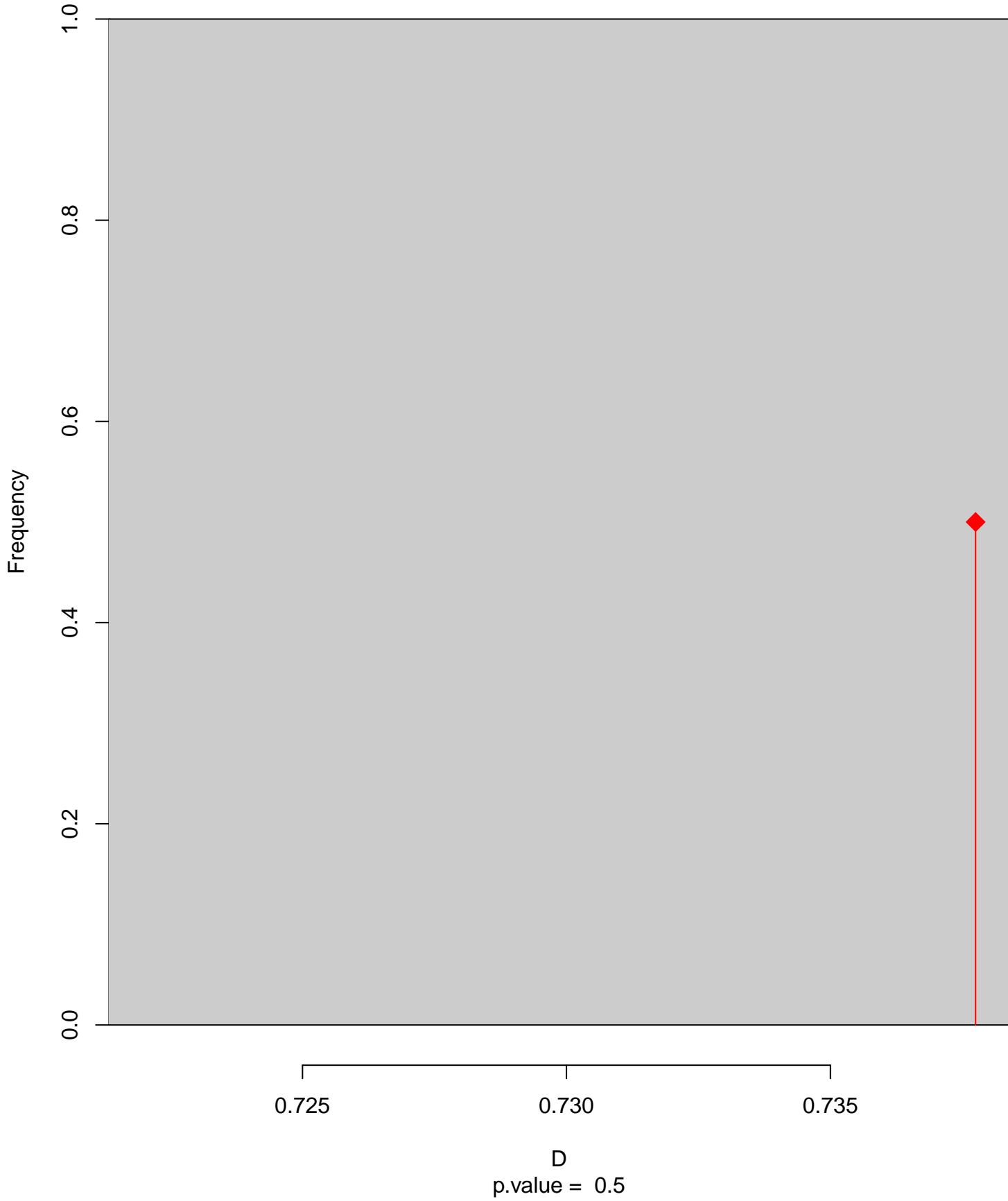


Alopochelidon_fucata seasonal overlap

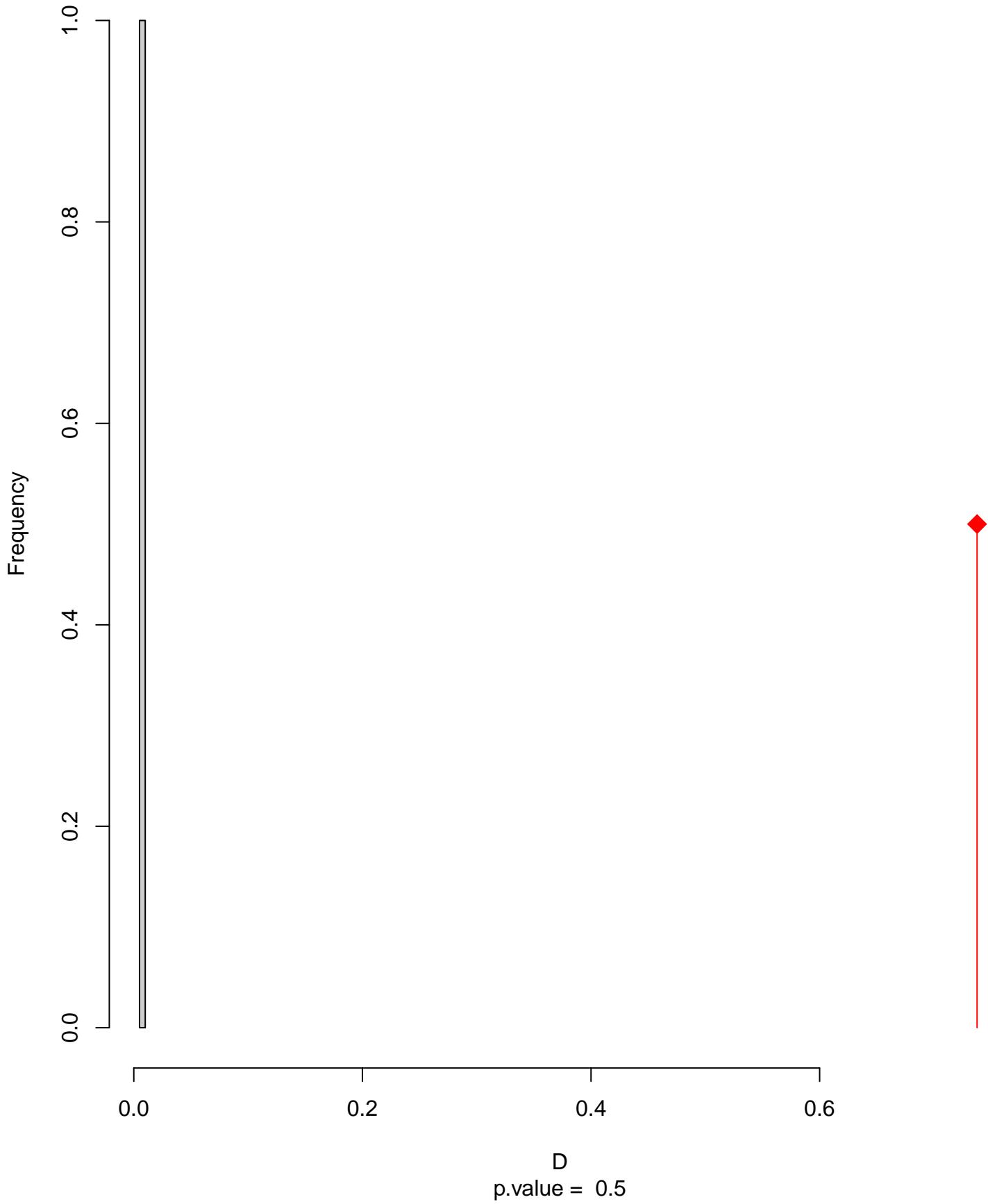


niche overlap:
 $D = 0.738$

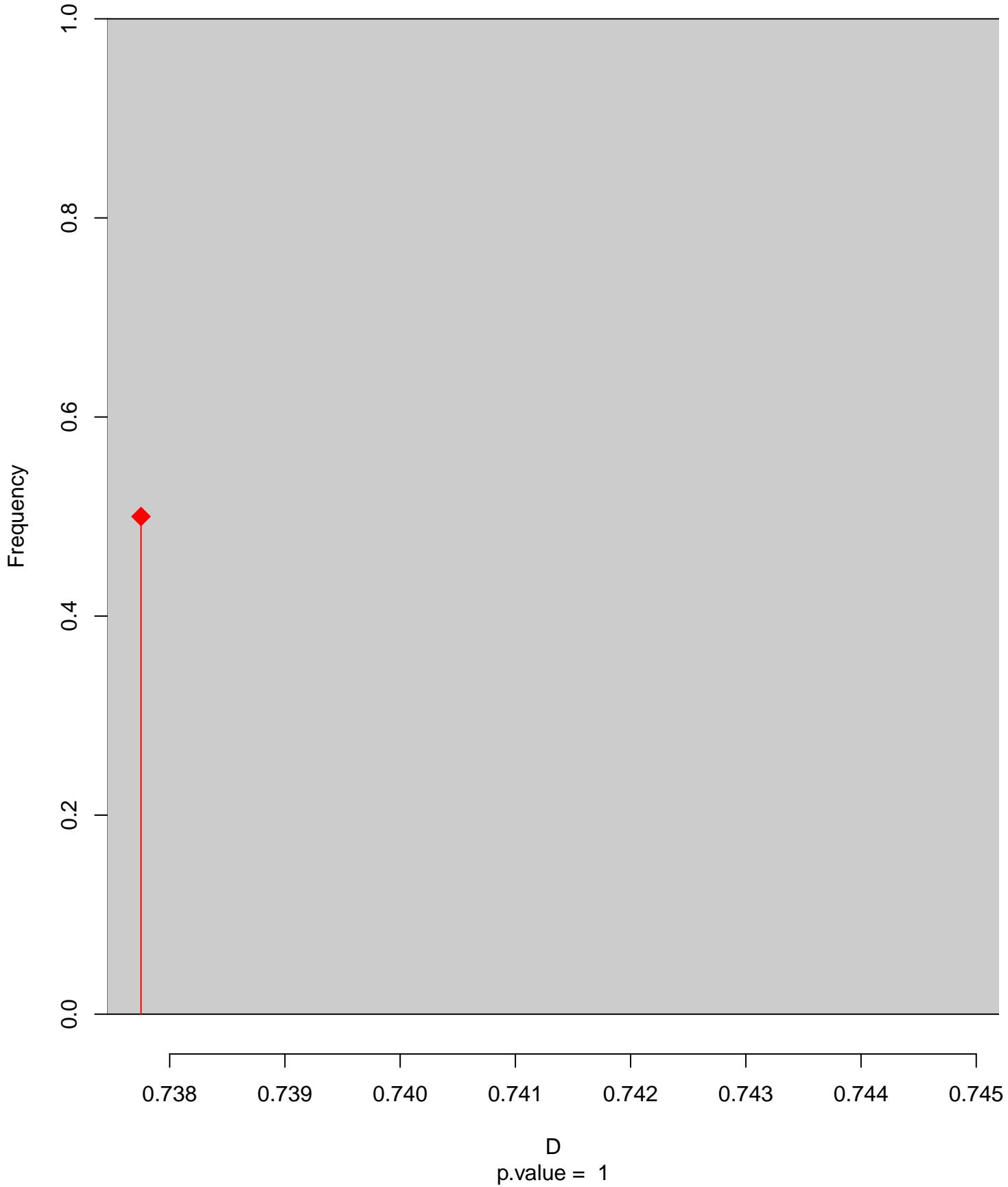
Equivalency



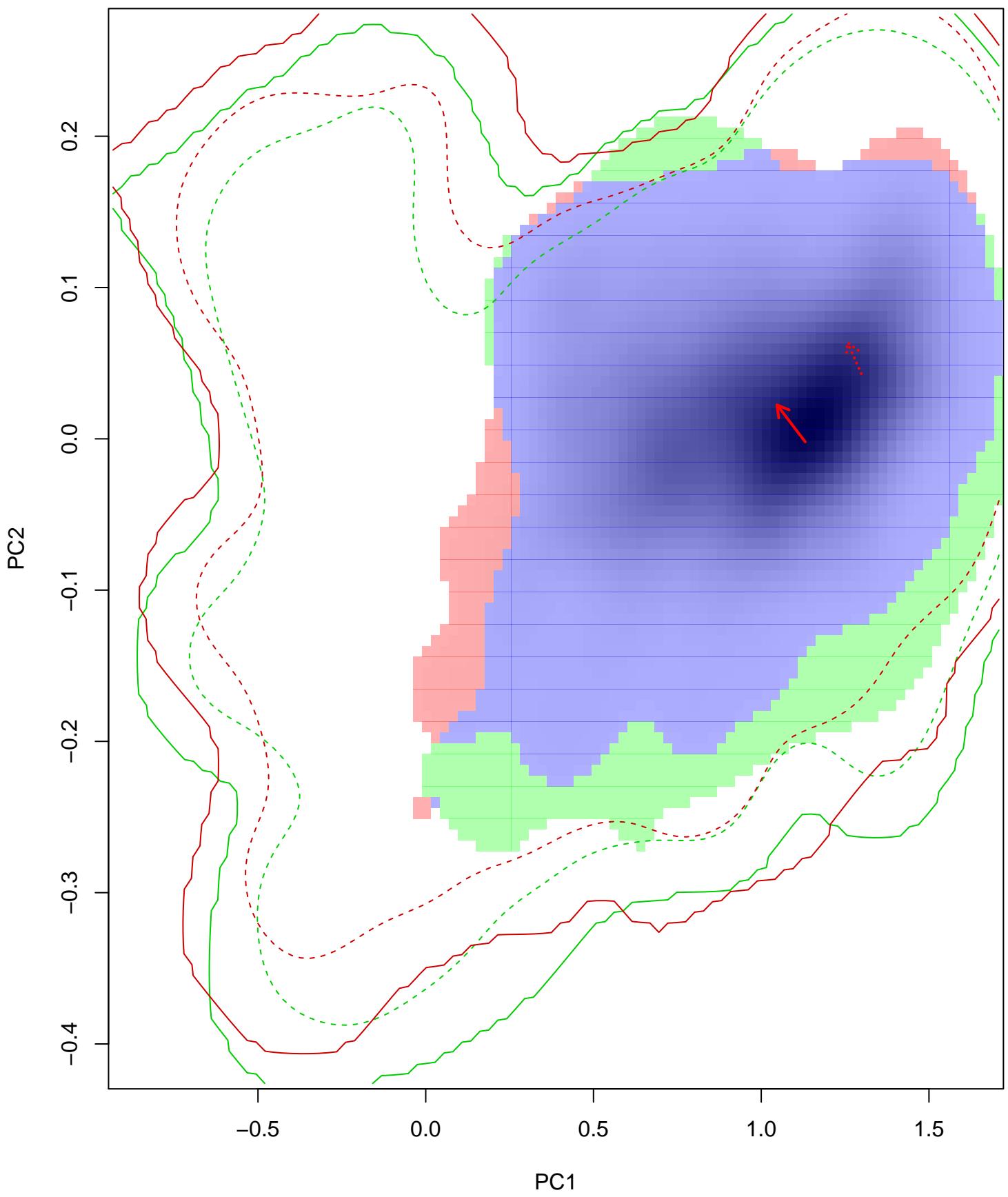
Similarity 2->1



Similarity 1→2

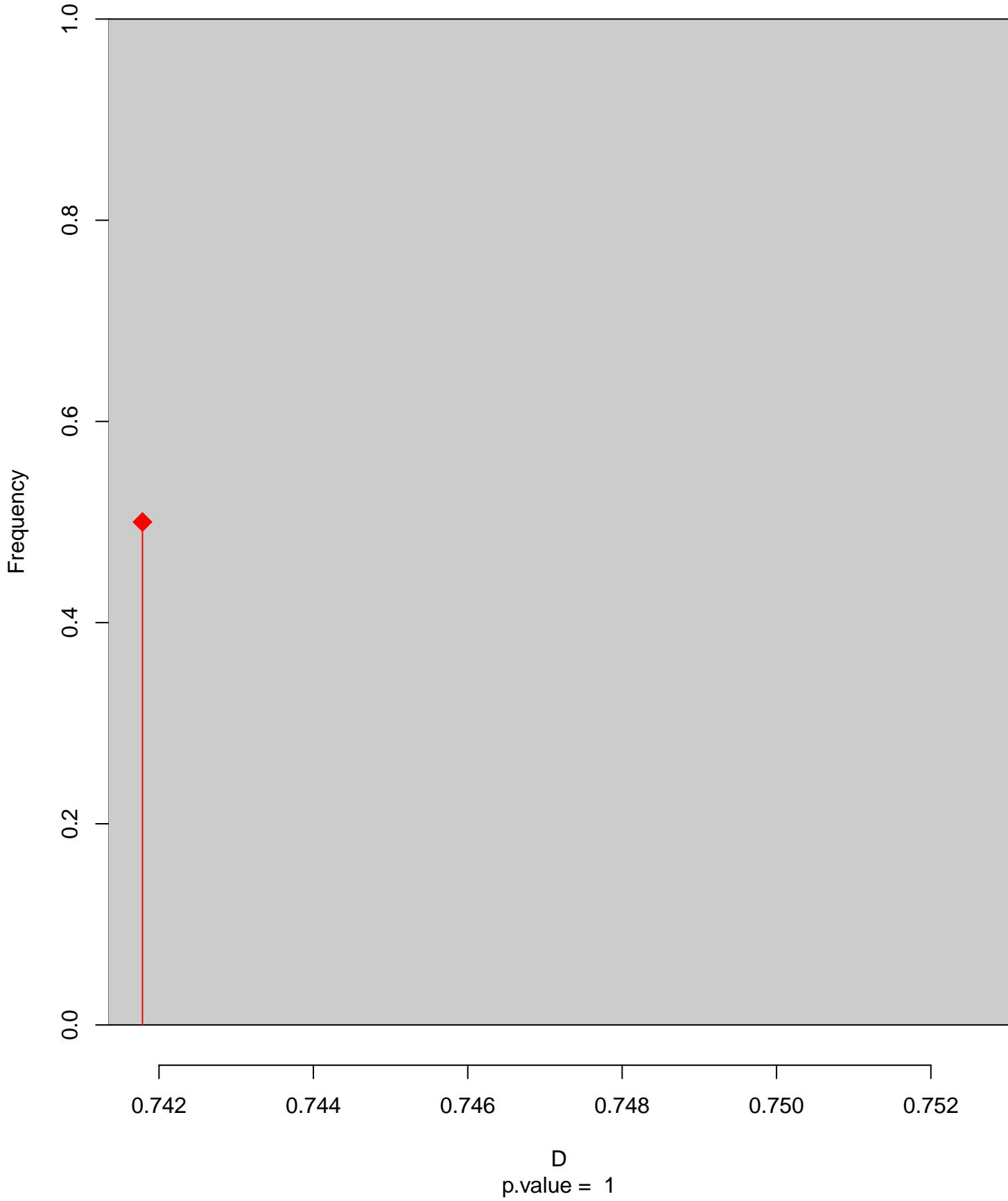


Alopochelidon_fucata seasonal overlap–hypo.br

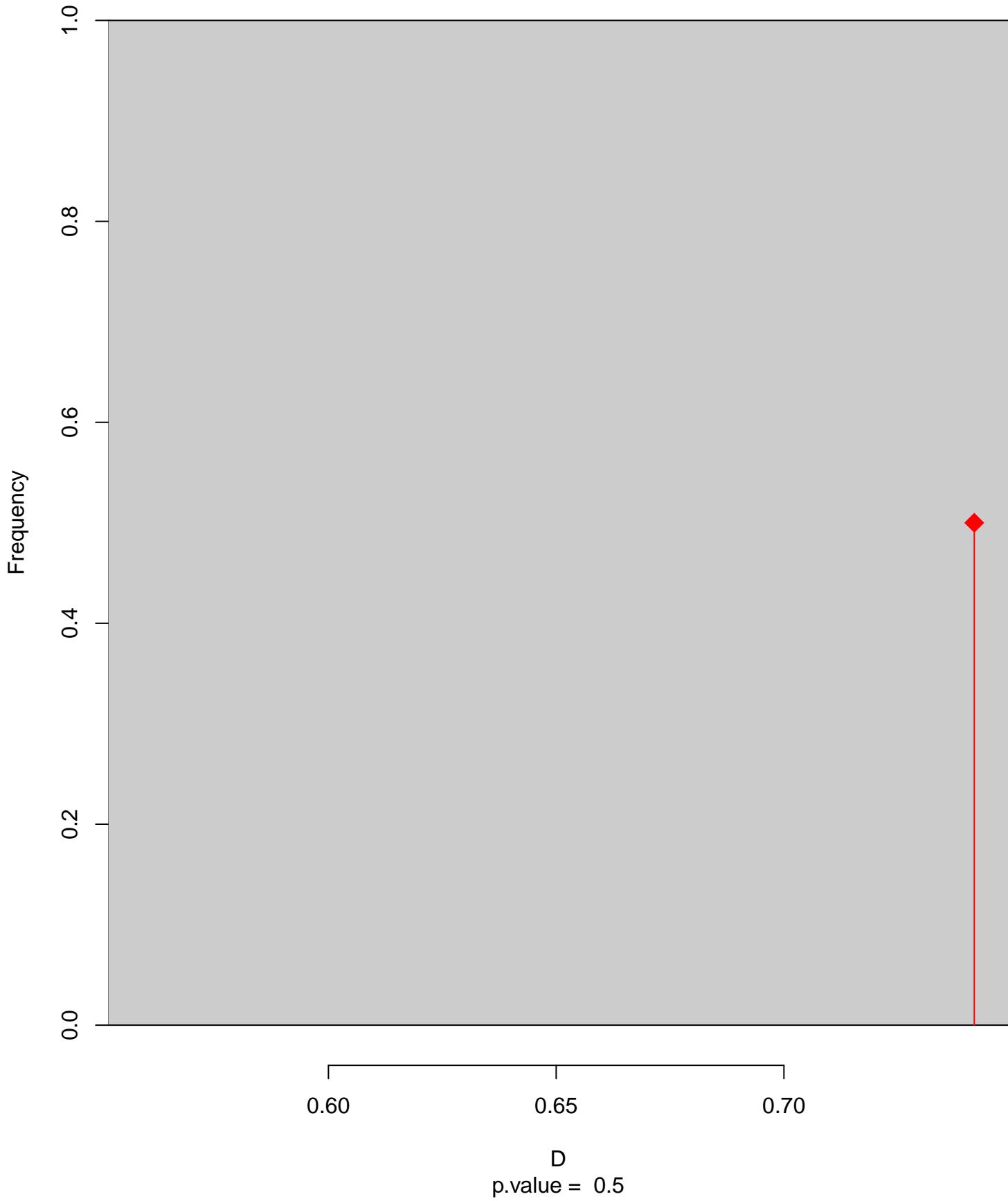


niche overlap:
 $D = 0.742$

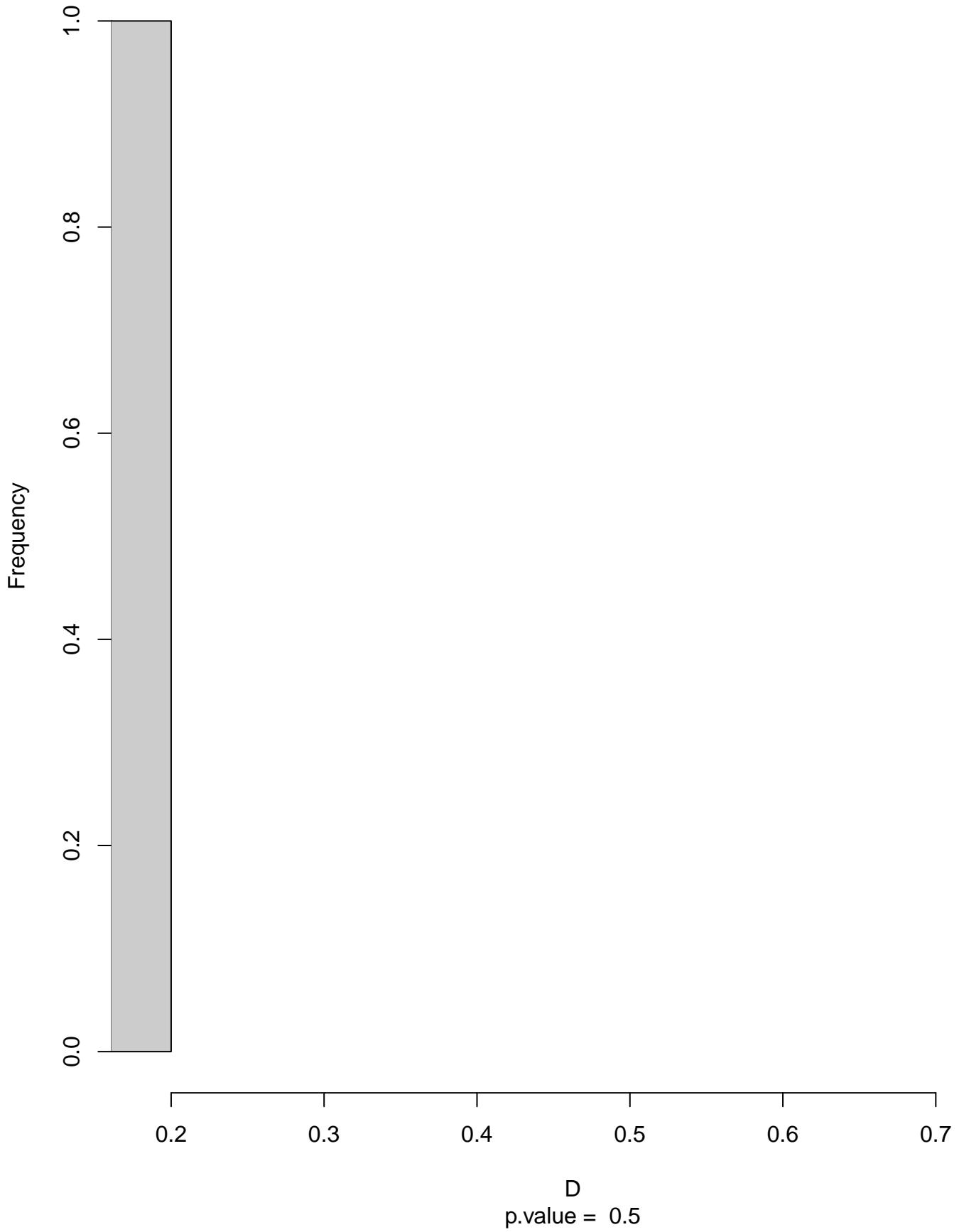
Equivalency



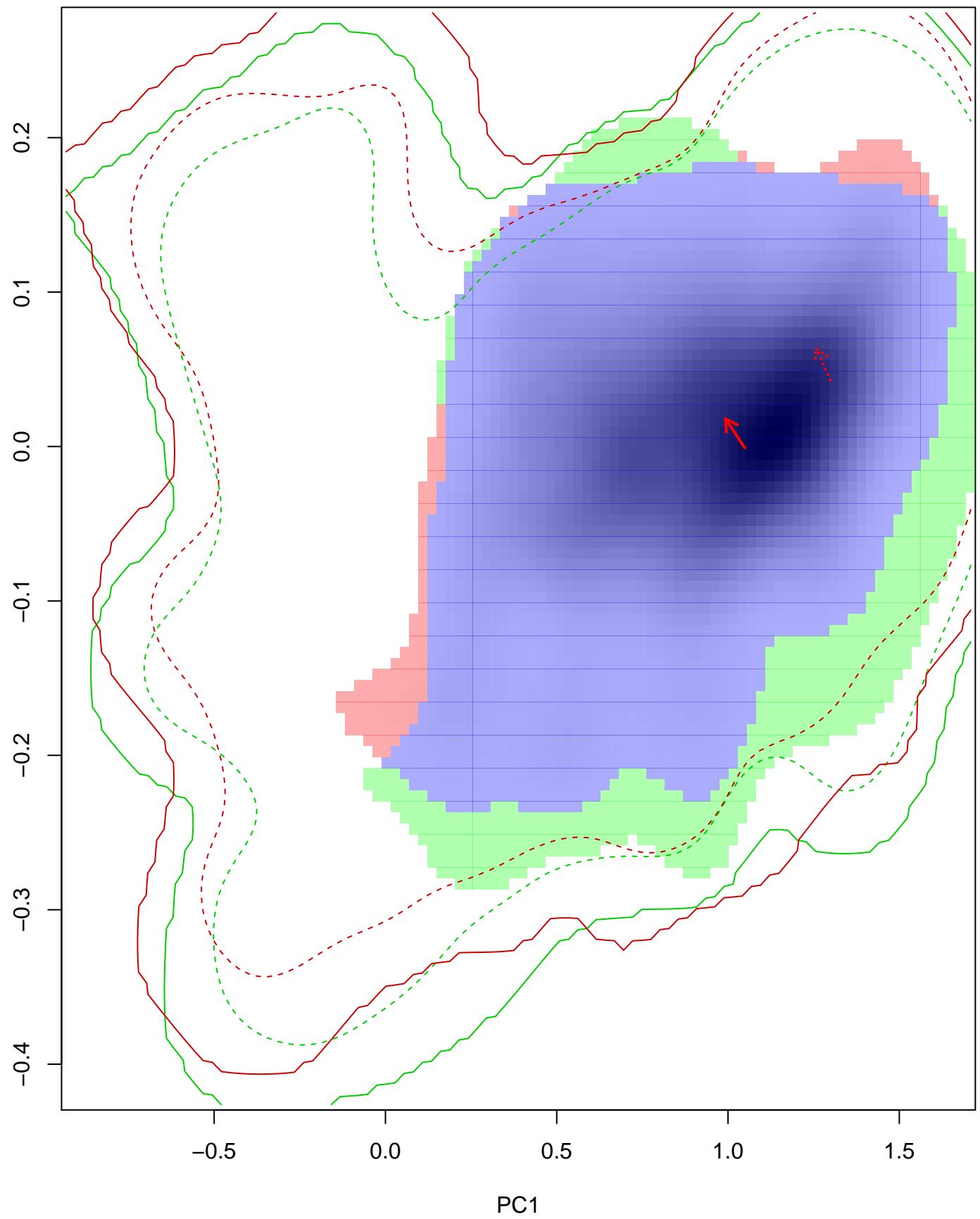
Similarity 2->1



Similarity 1→2

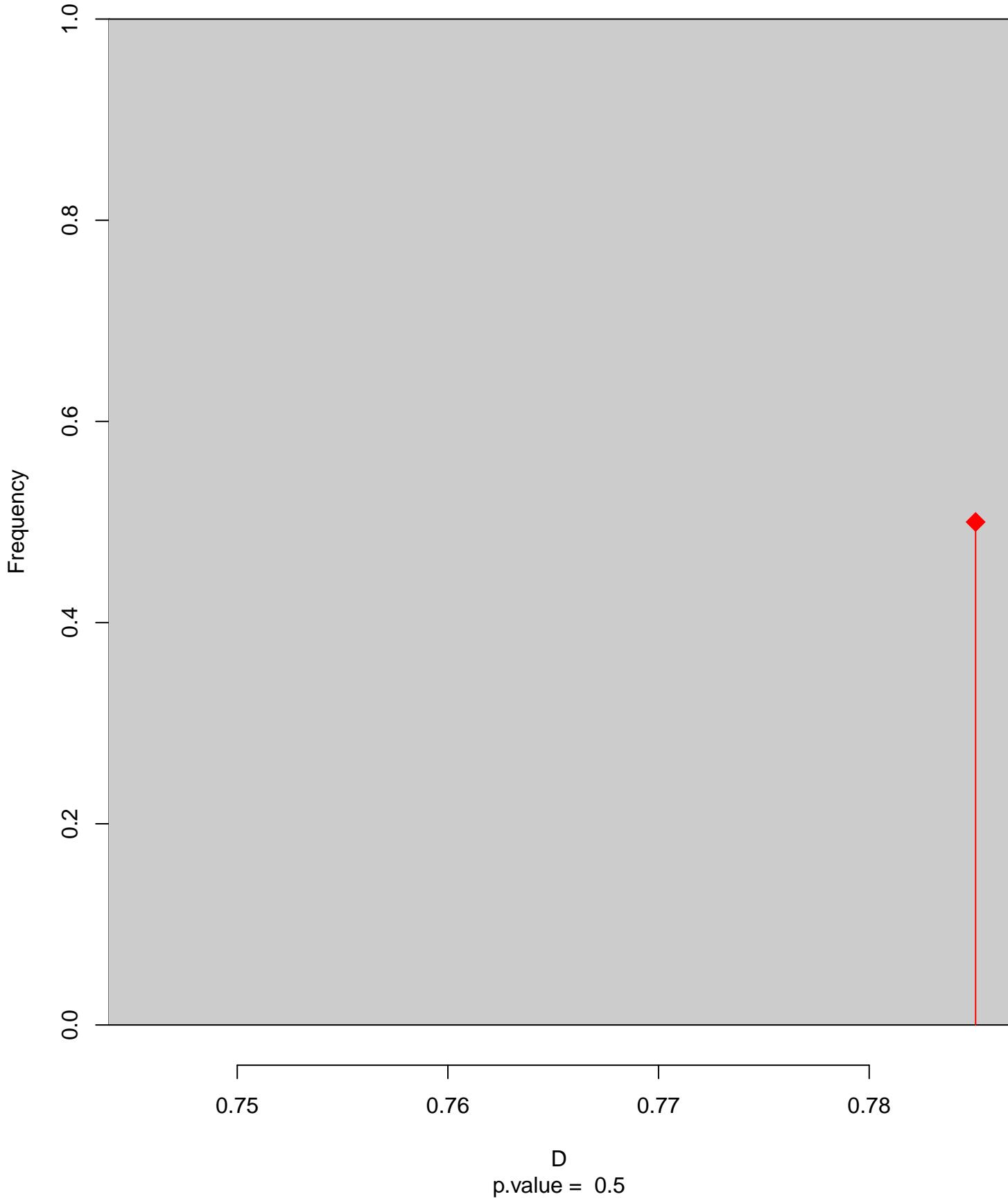


Alopochelidon_fucata seasonal overlap–hypo wi

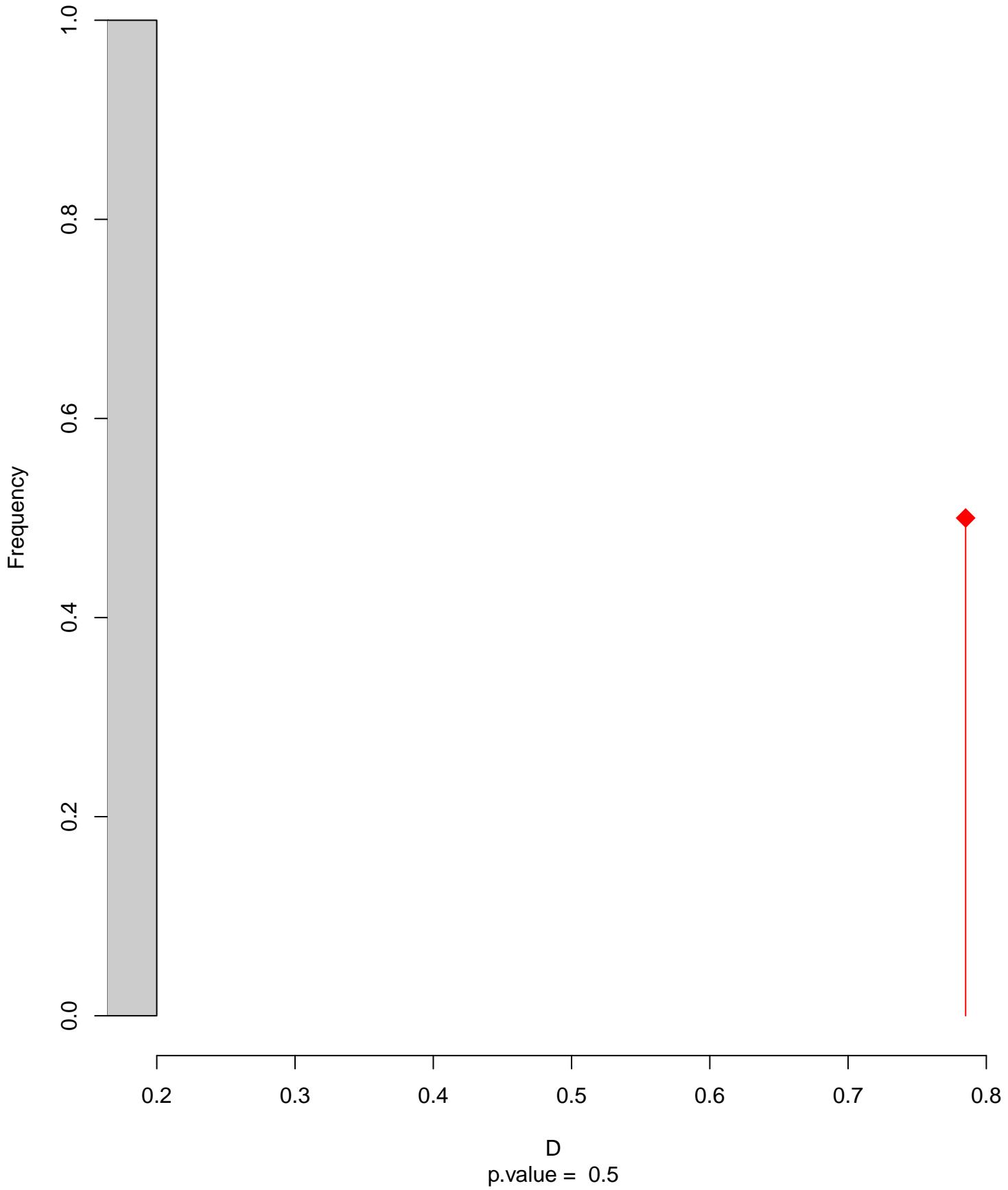


niche overlap:
 $D = 0.785$

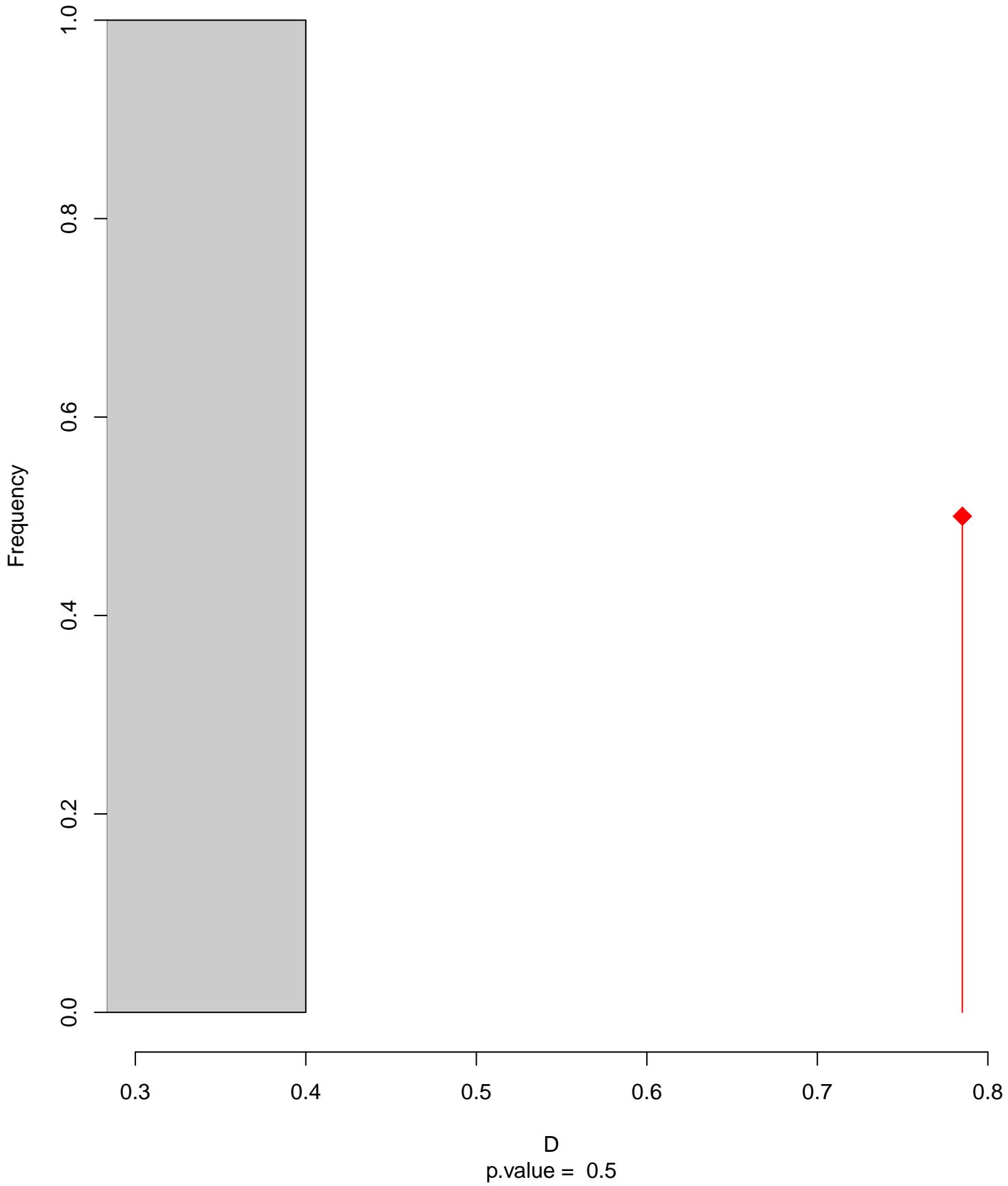
Equivalency



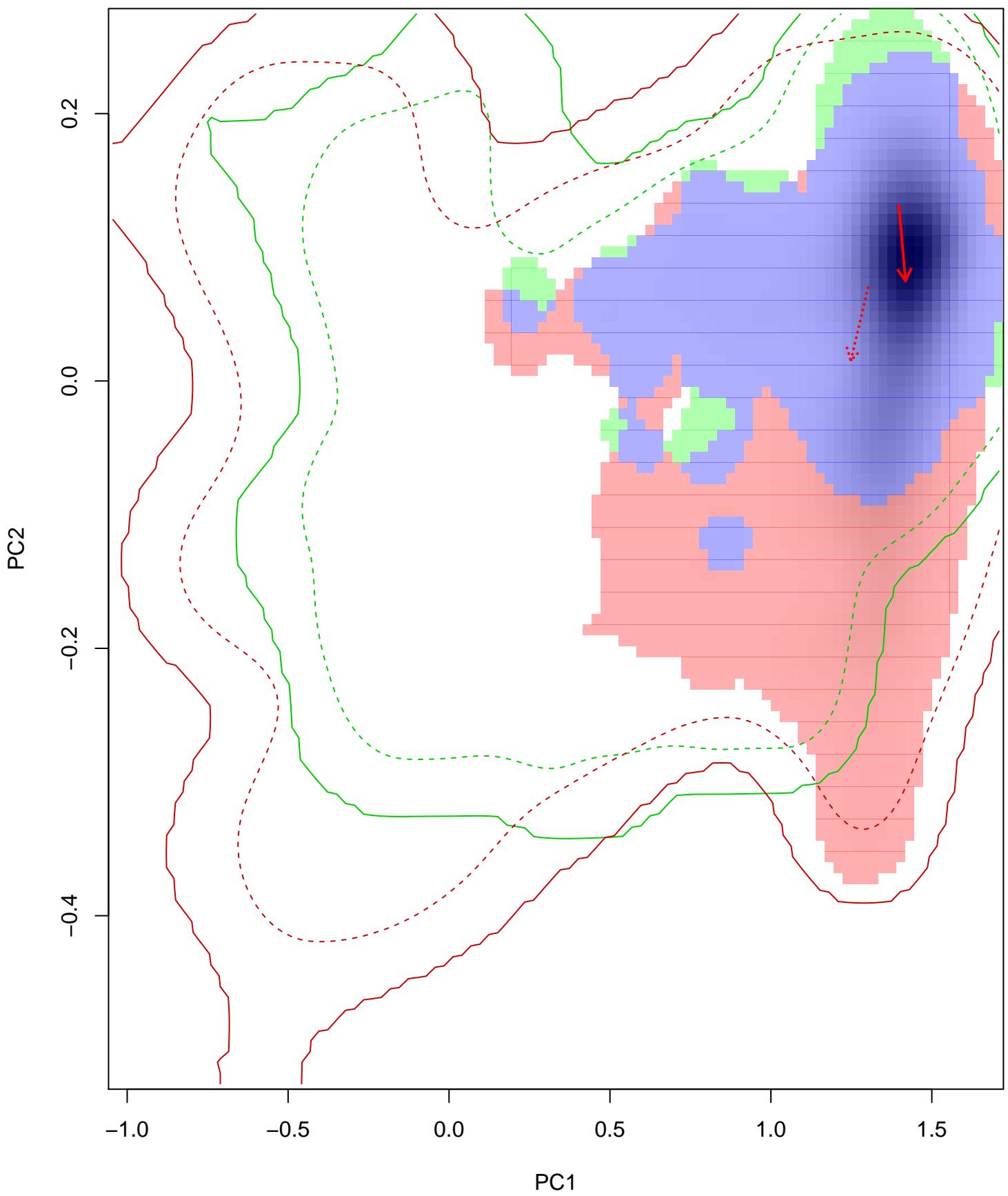
Similarity 2->1



Similarity 1→2

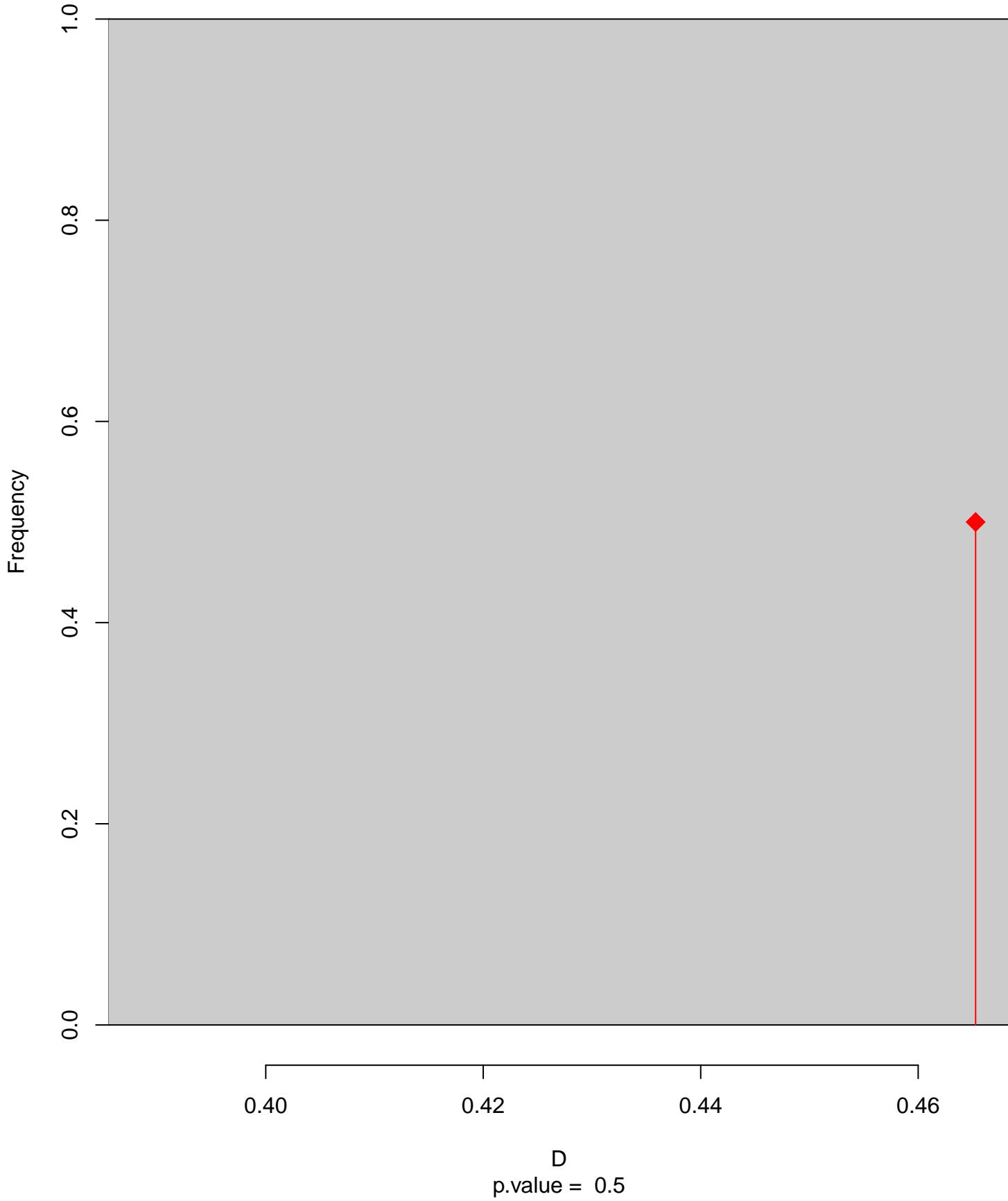


Atticora_fasciata seasonal overlap

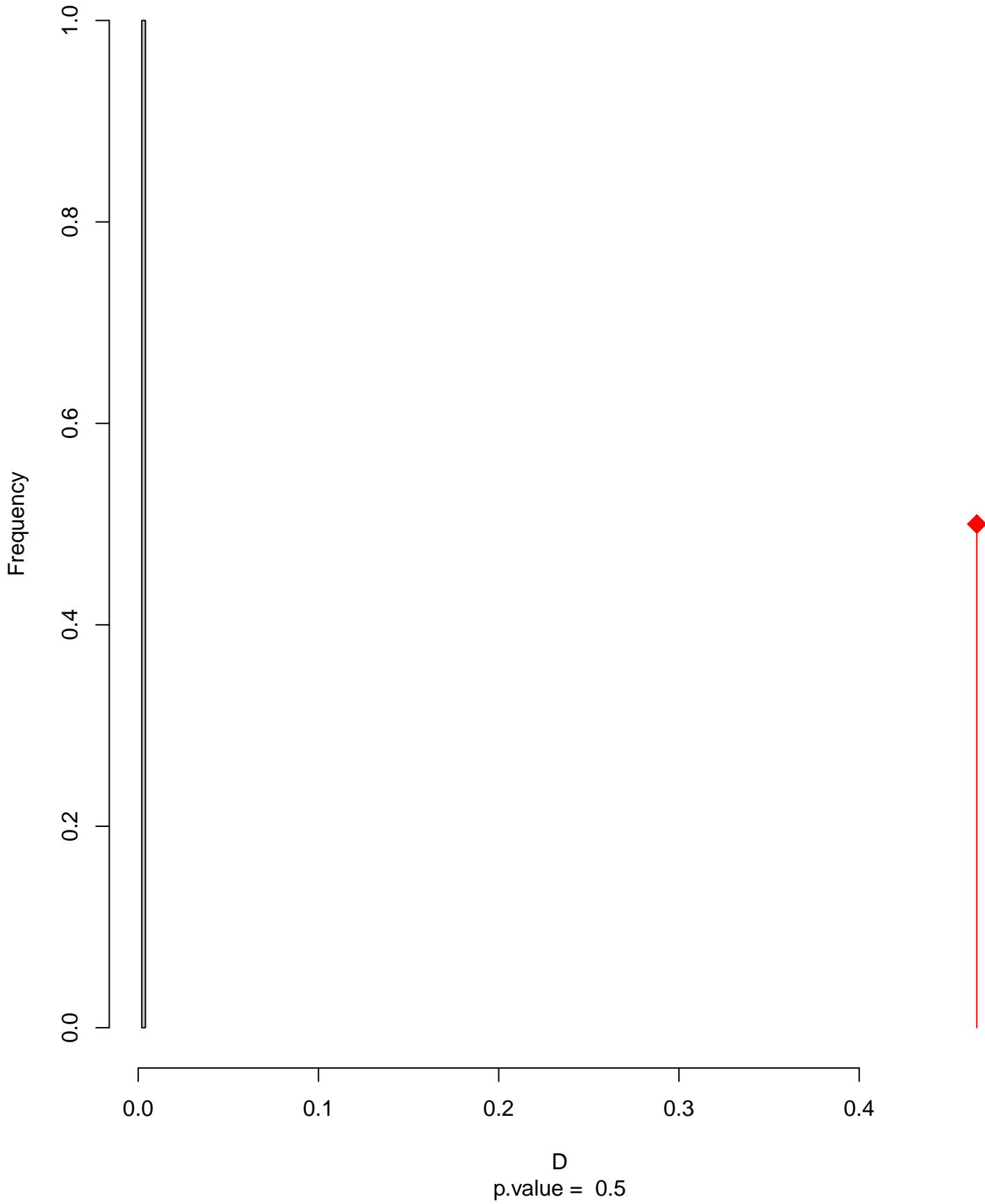


niche overlap:
 $D = 0.465$

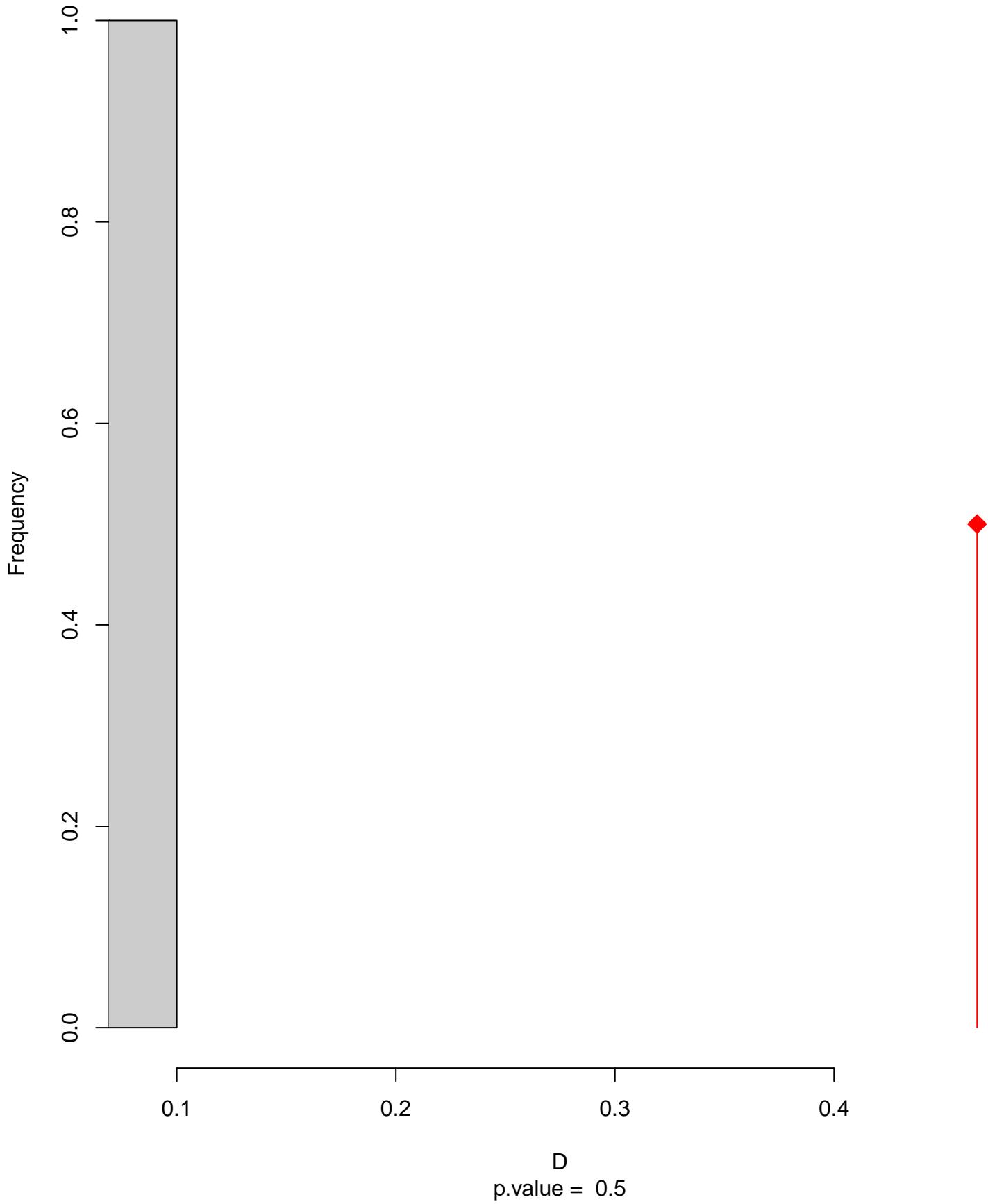
Equivalency



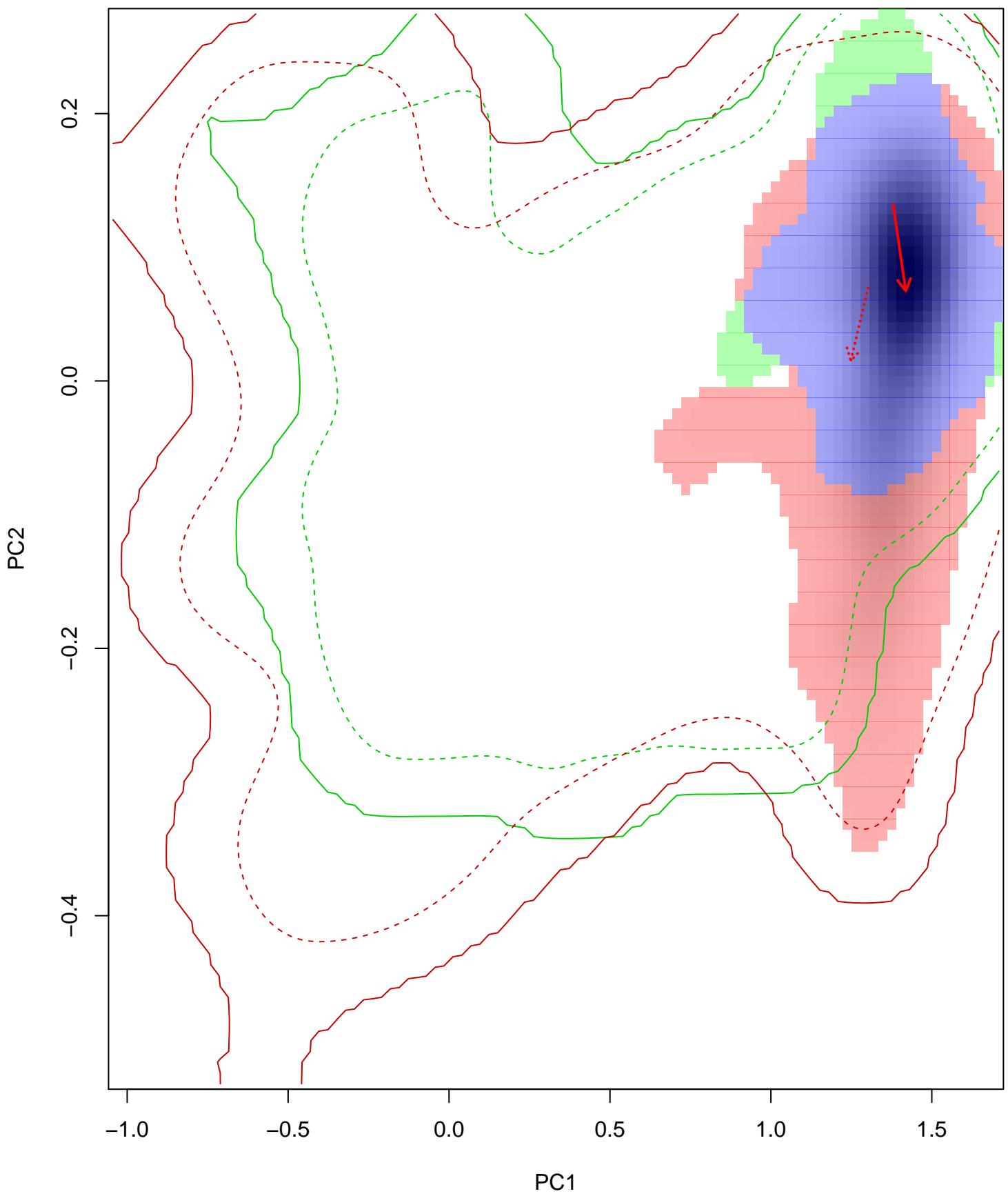
Similarity 2->1



Similarity 1→2

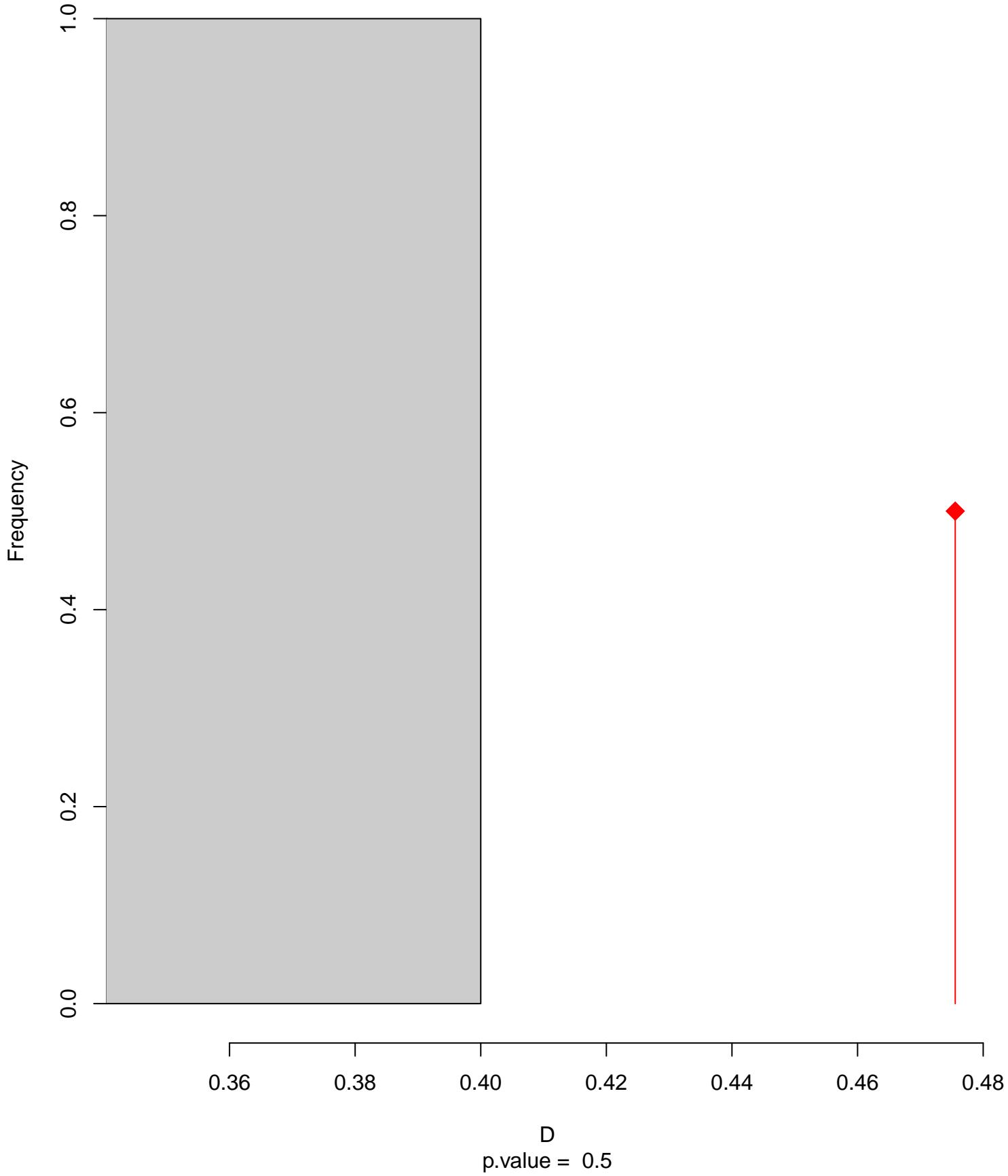


Atticora_melanoleuca seasonal overlap

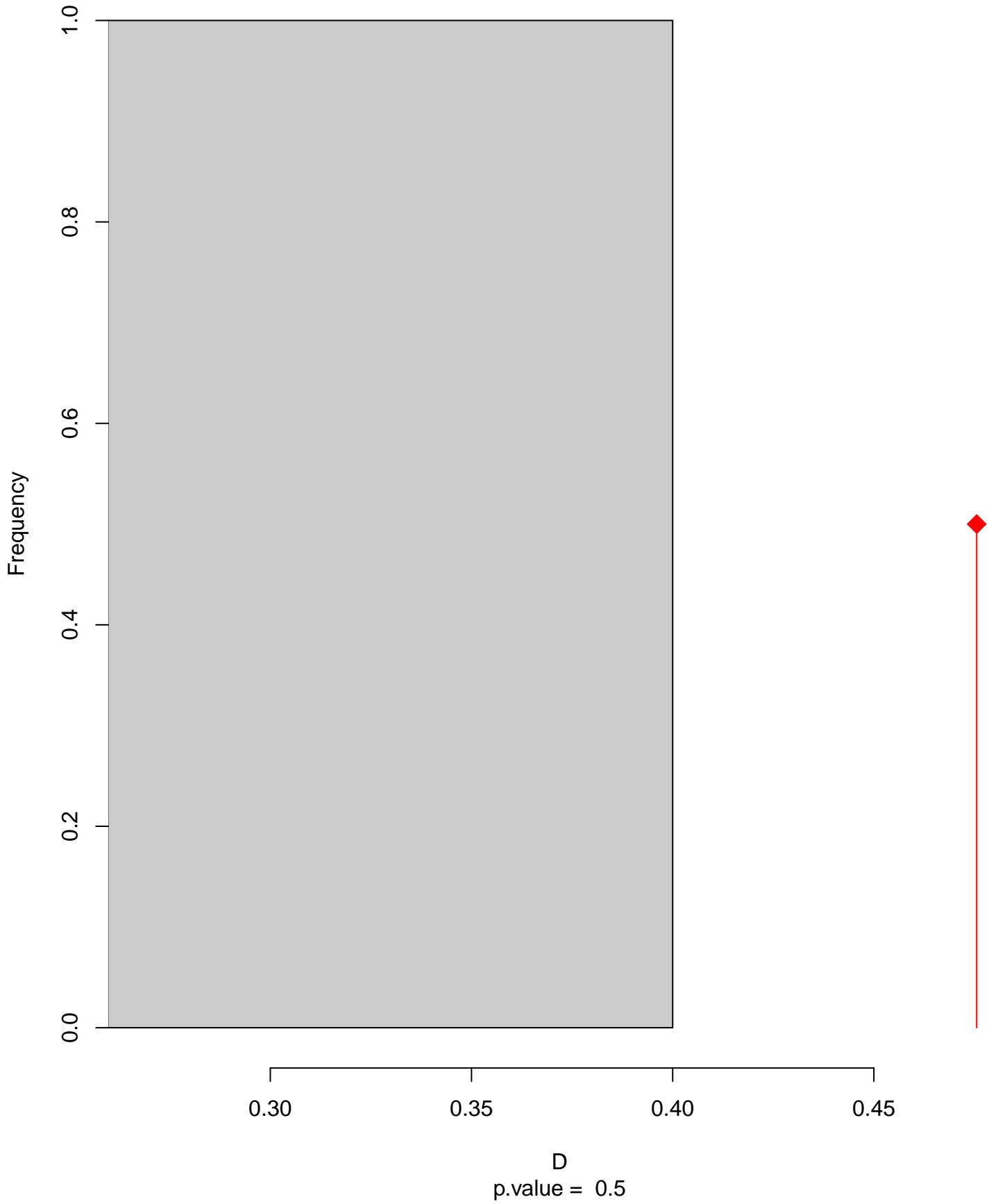


niche overlap:
 $D = 0.476$

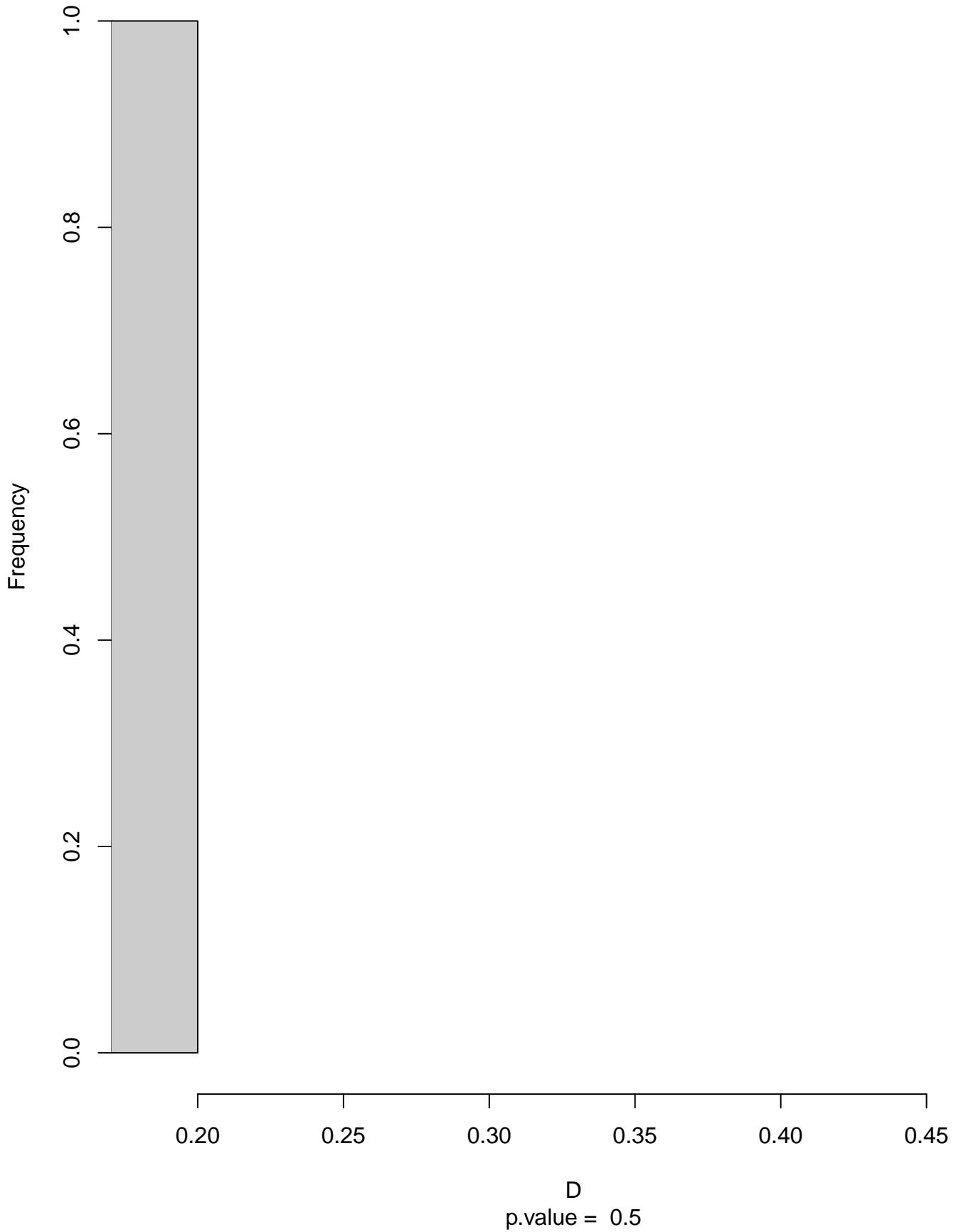
Equivalency



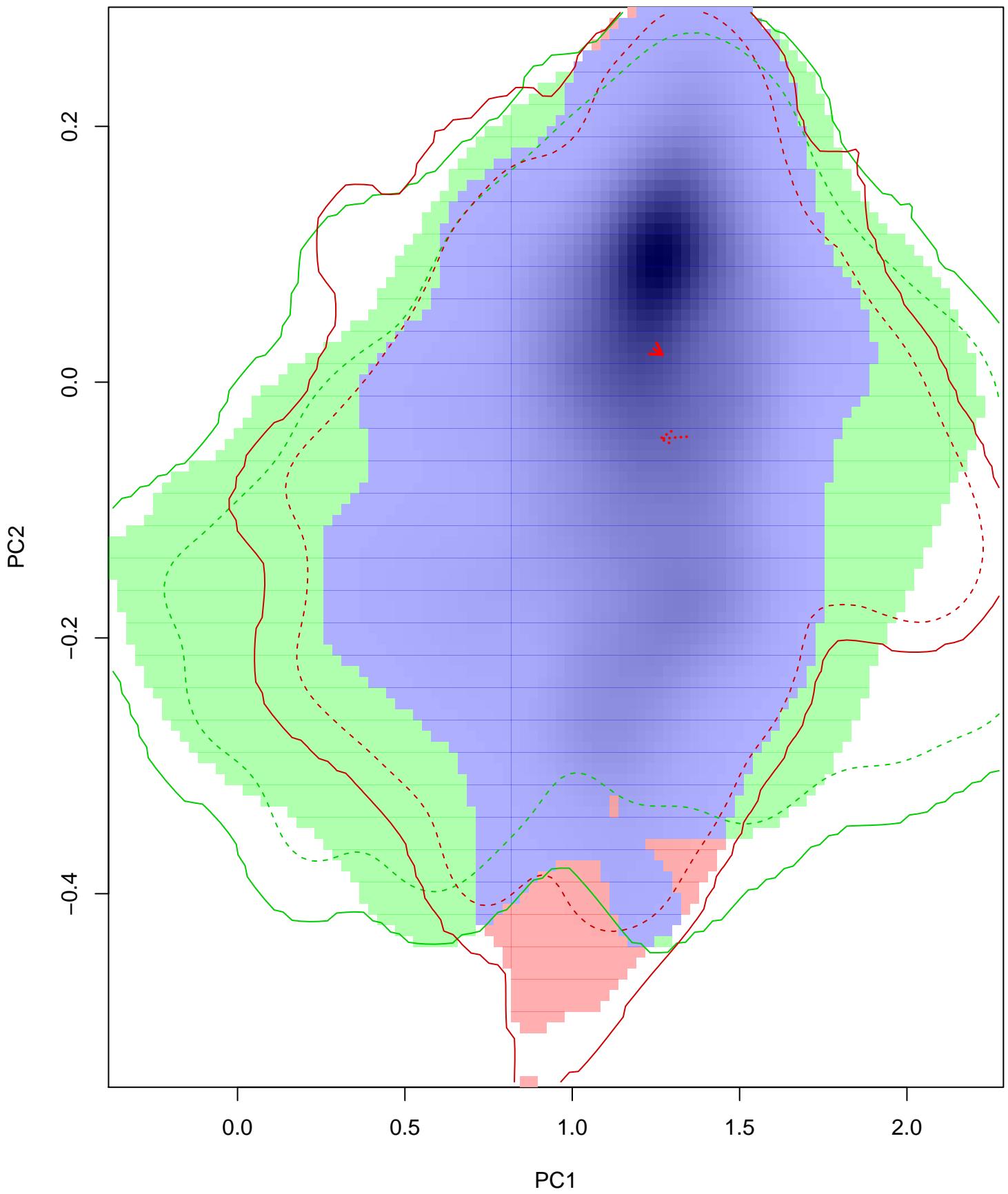
Similarity 2->1



Similarity 1→2

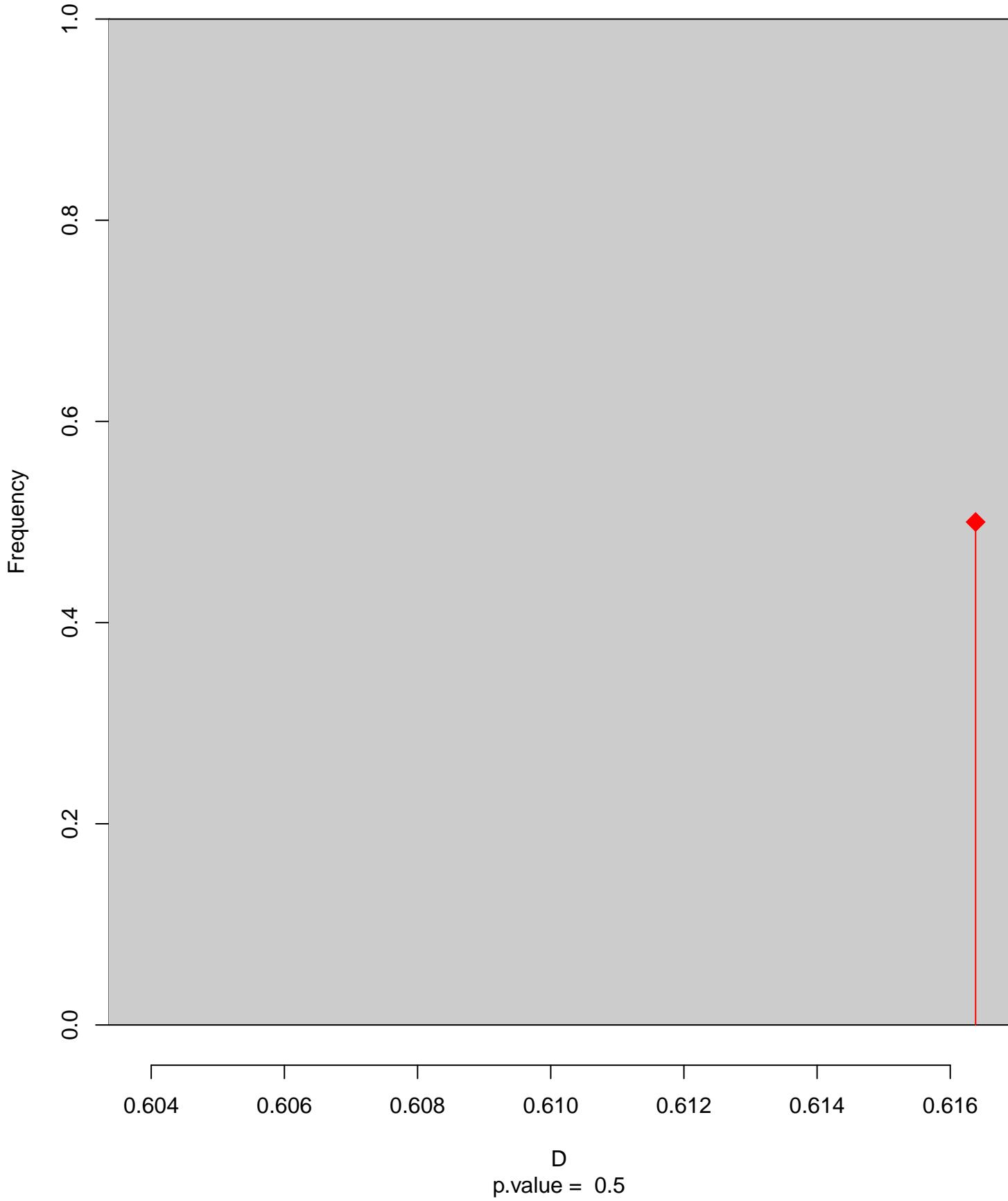


Cecropis_abyssinica seasonal overlap

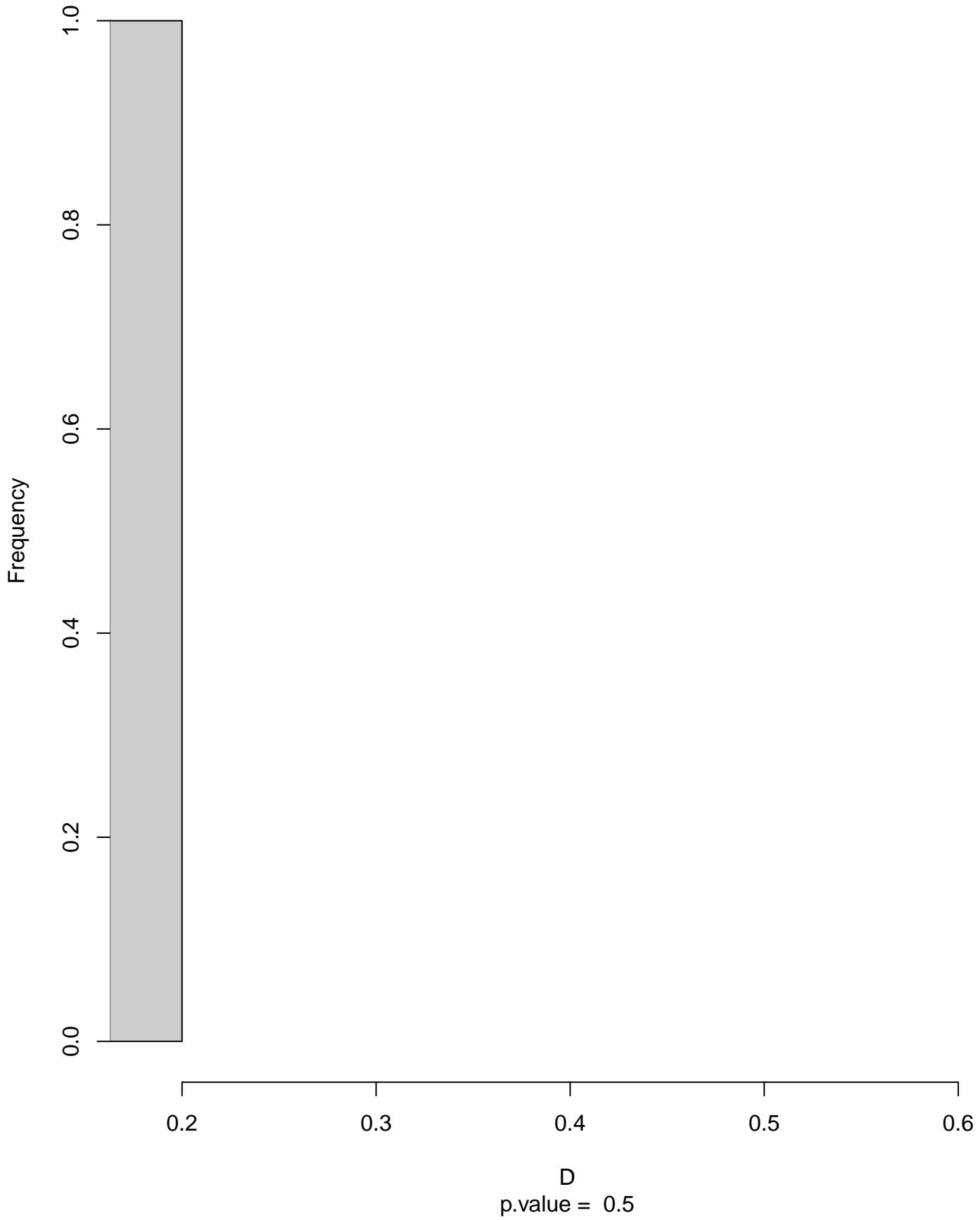


niche overlap:
 $D = 0.616$

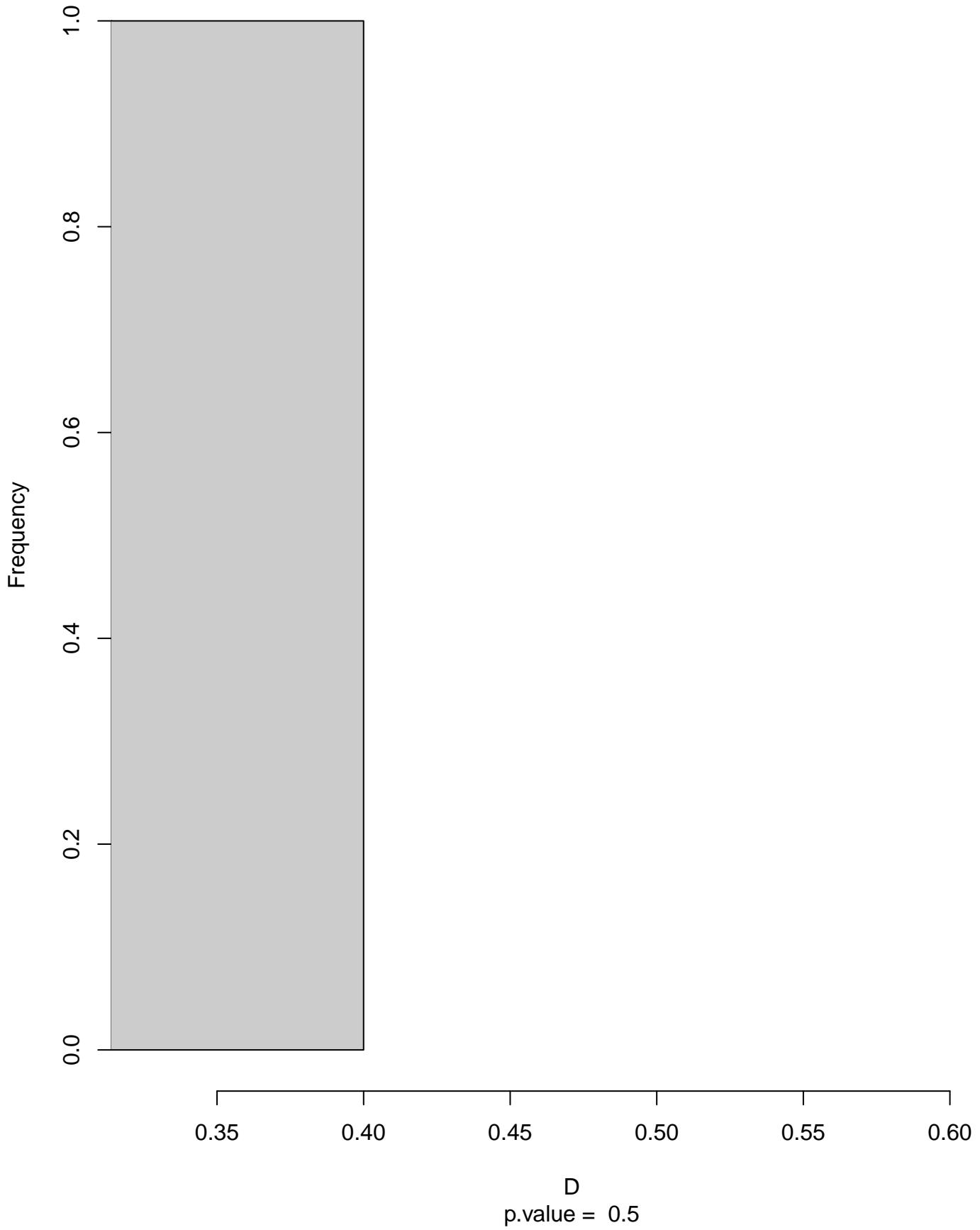
Equivalency



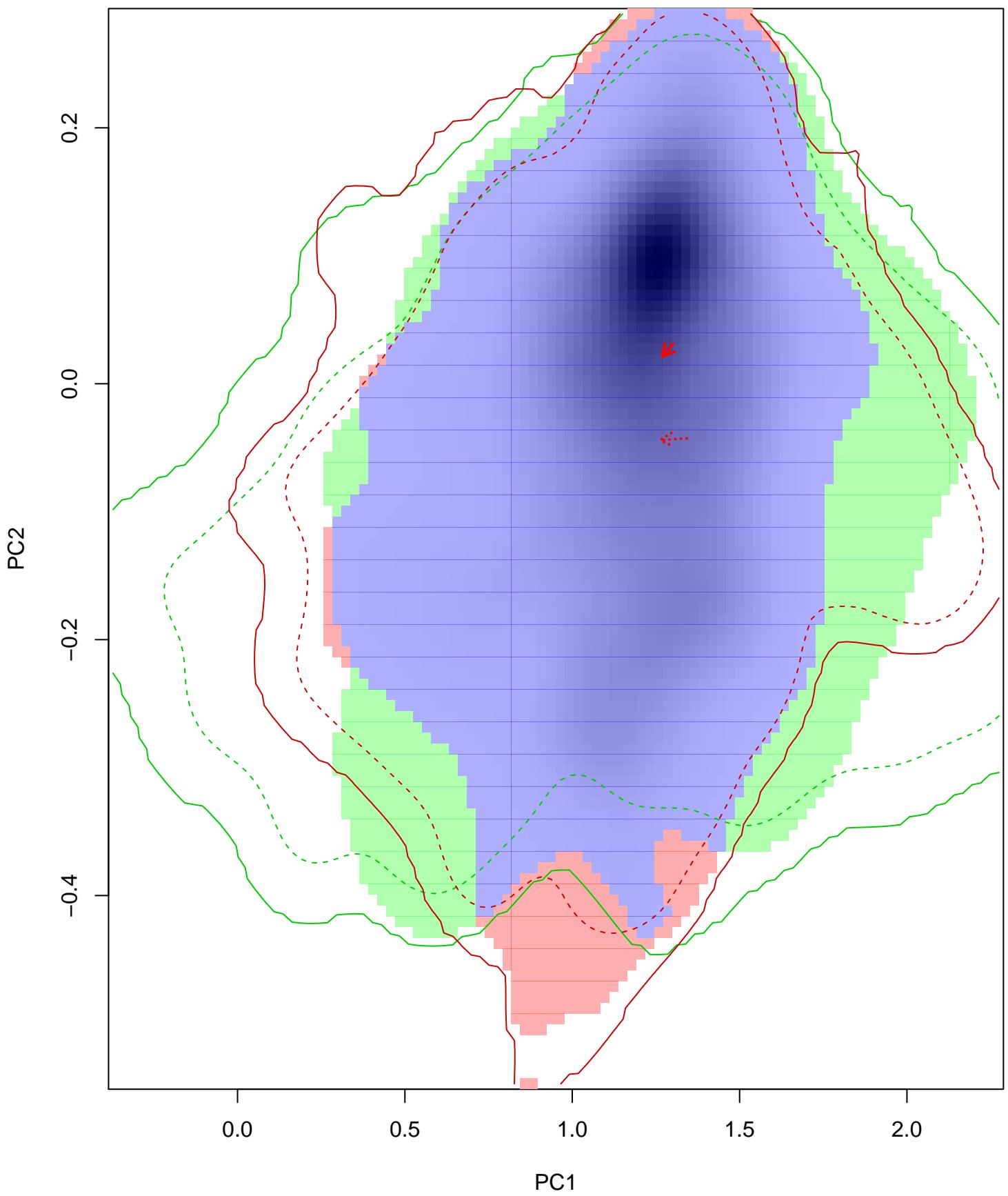
Similarity 2->1



Similarity 1→2

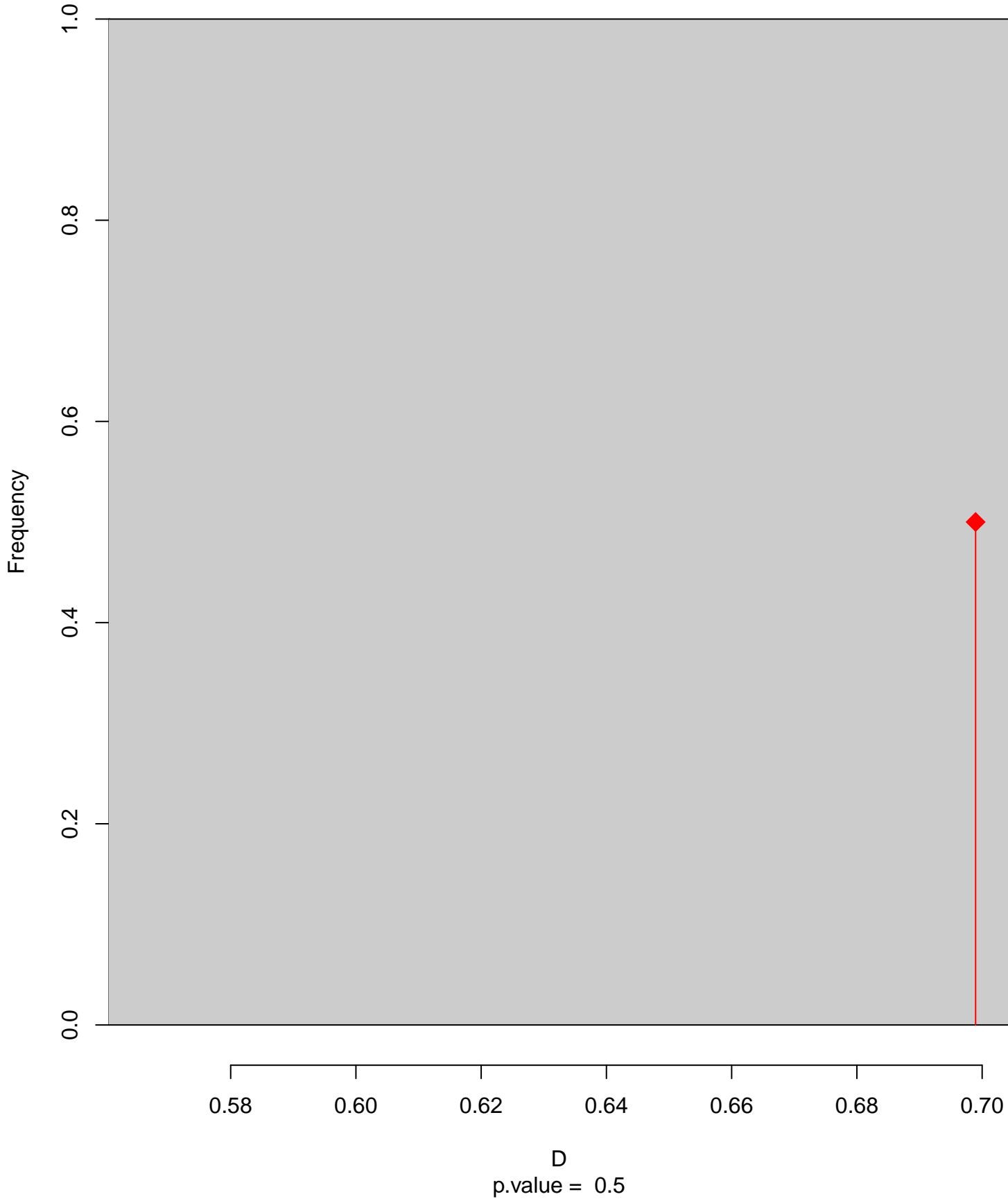


Cecropis_abyssinica seasonal overlap-hypo.br

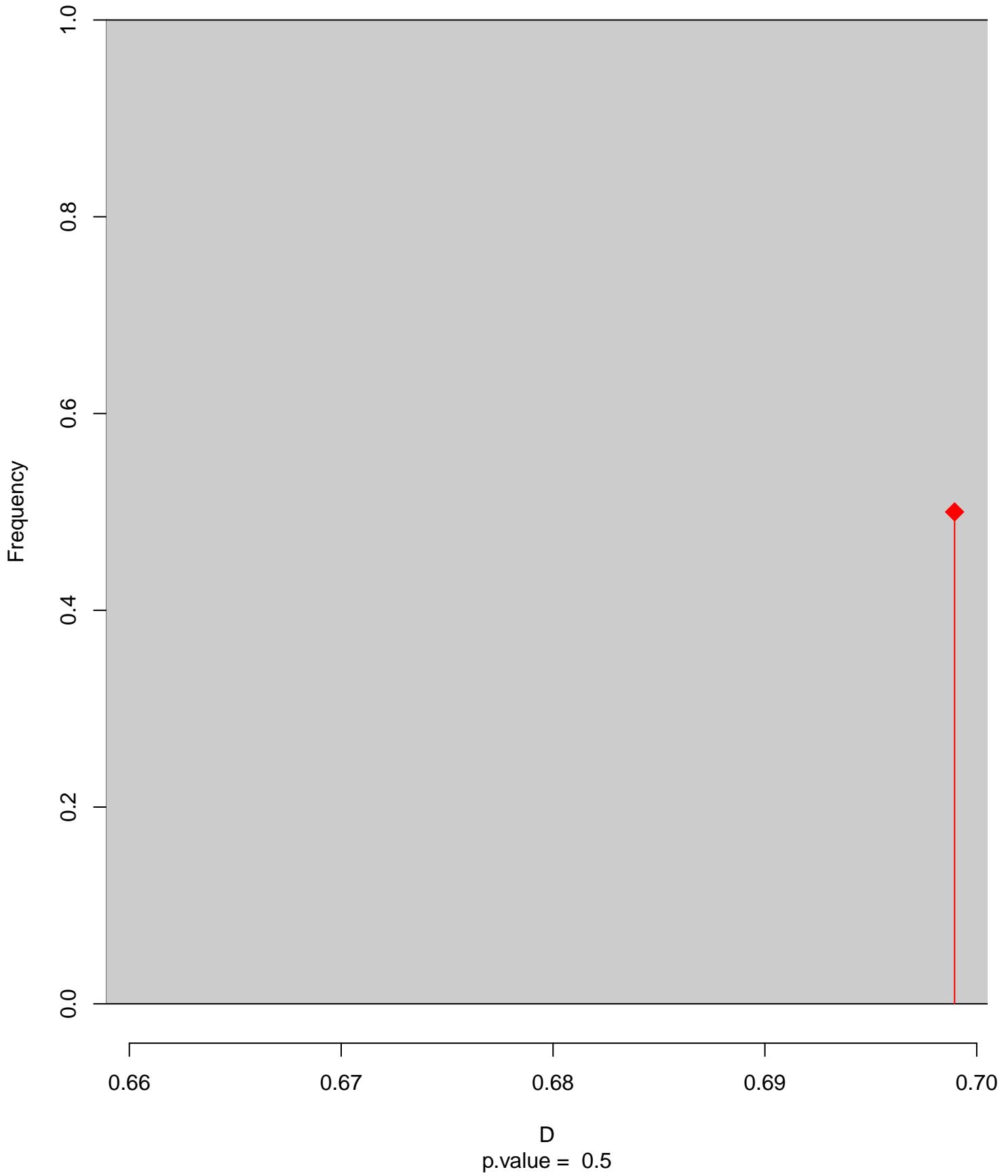


niche overlap:
 $D = 0.699$

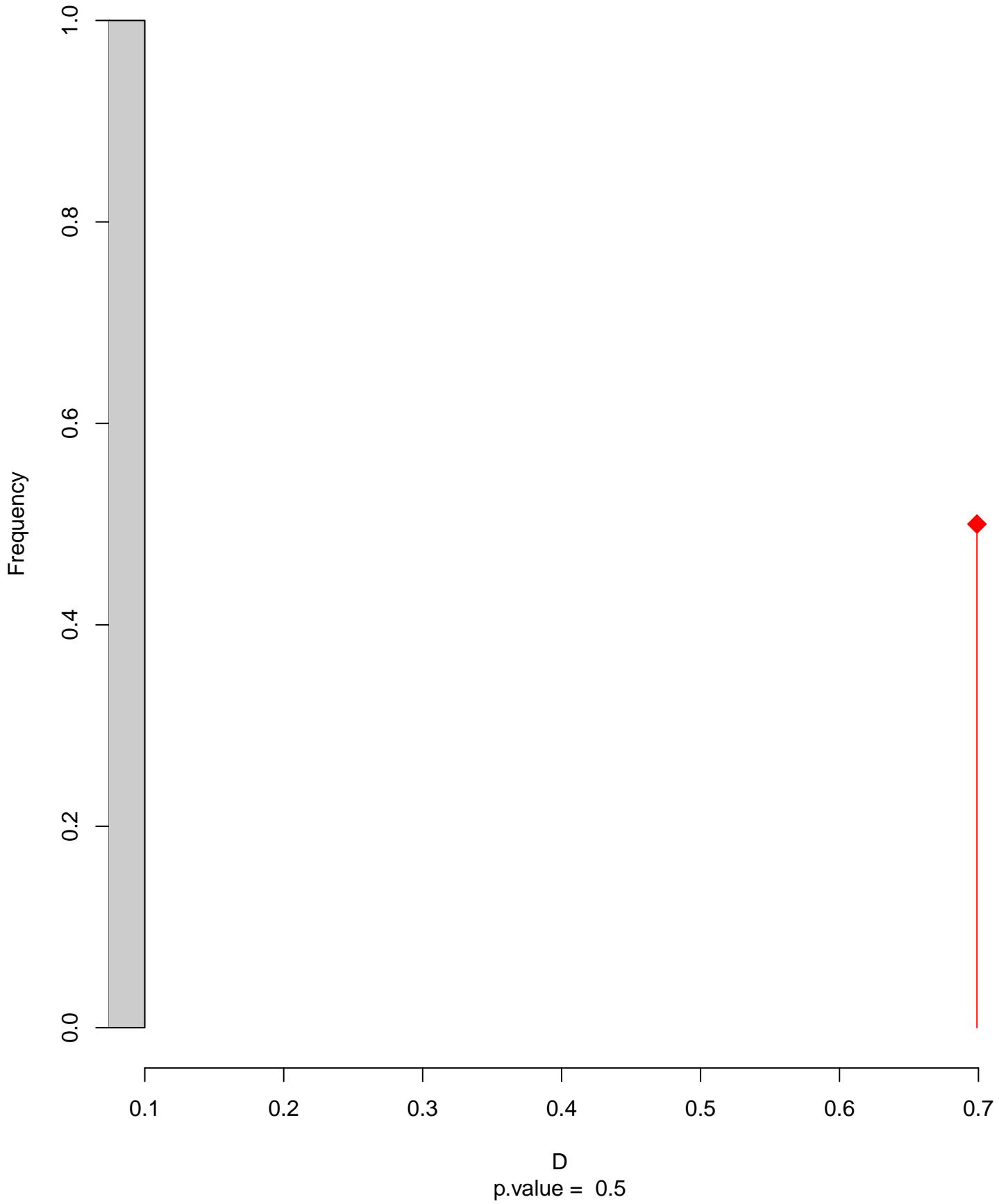
Equivalency



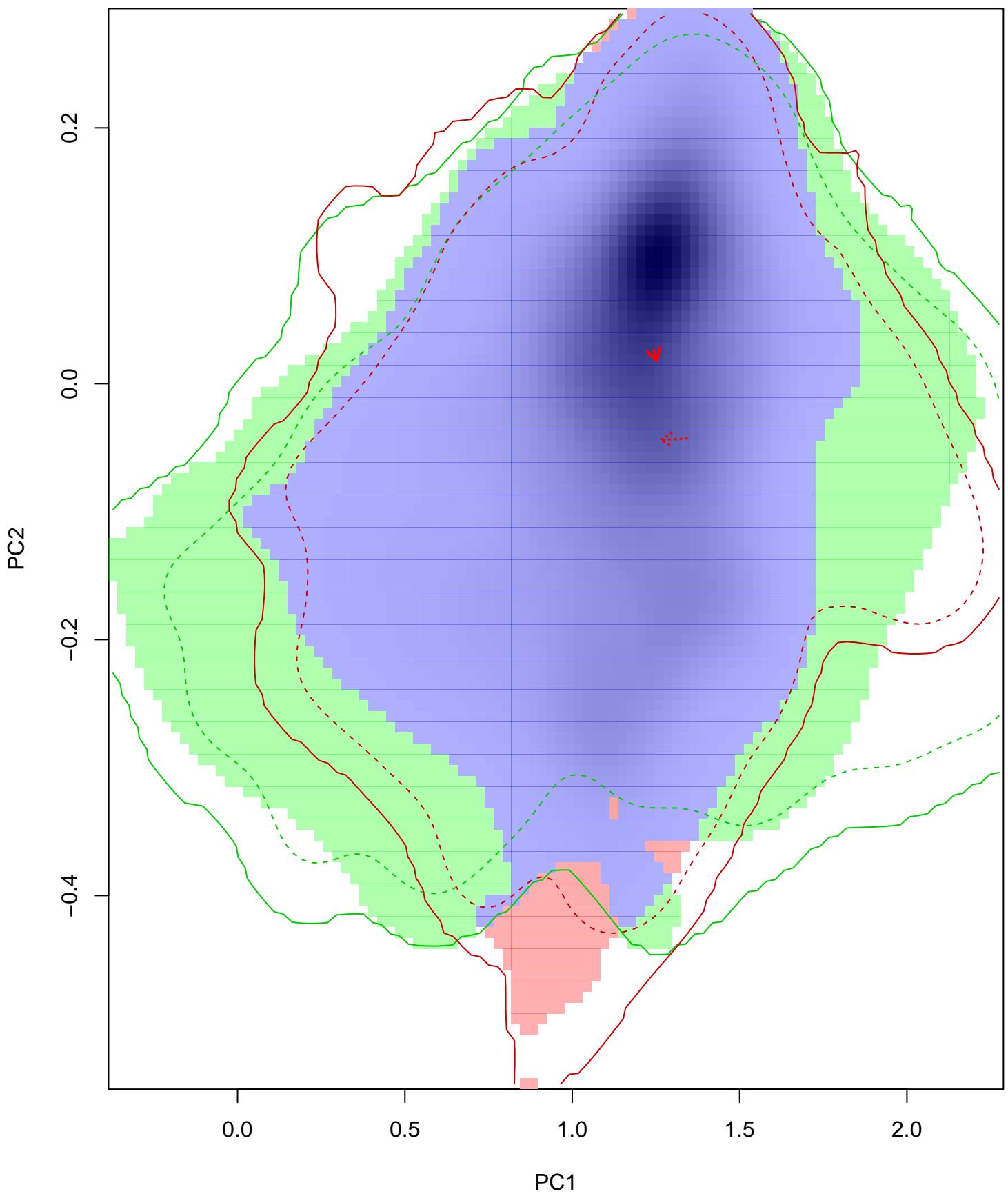
Similarity 2->1



Similarity 1→2

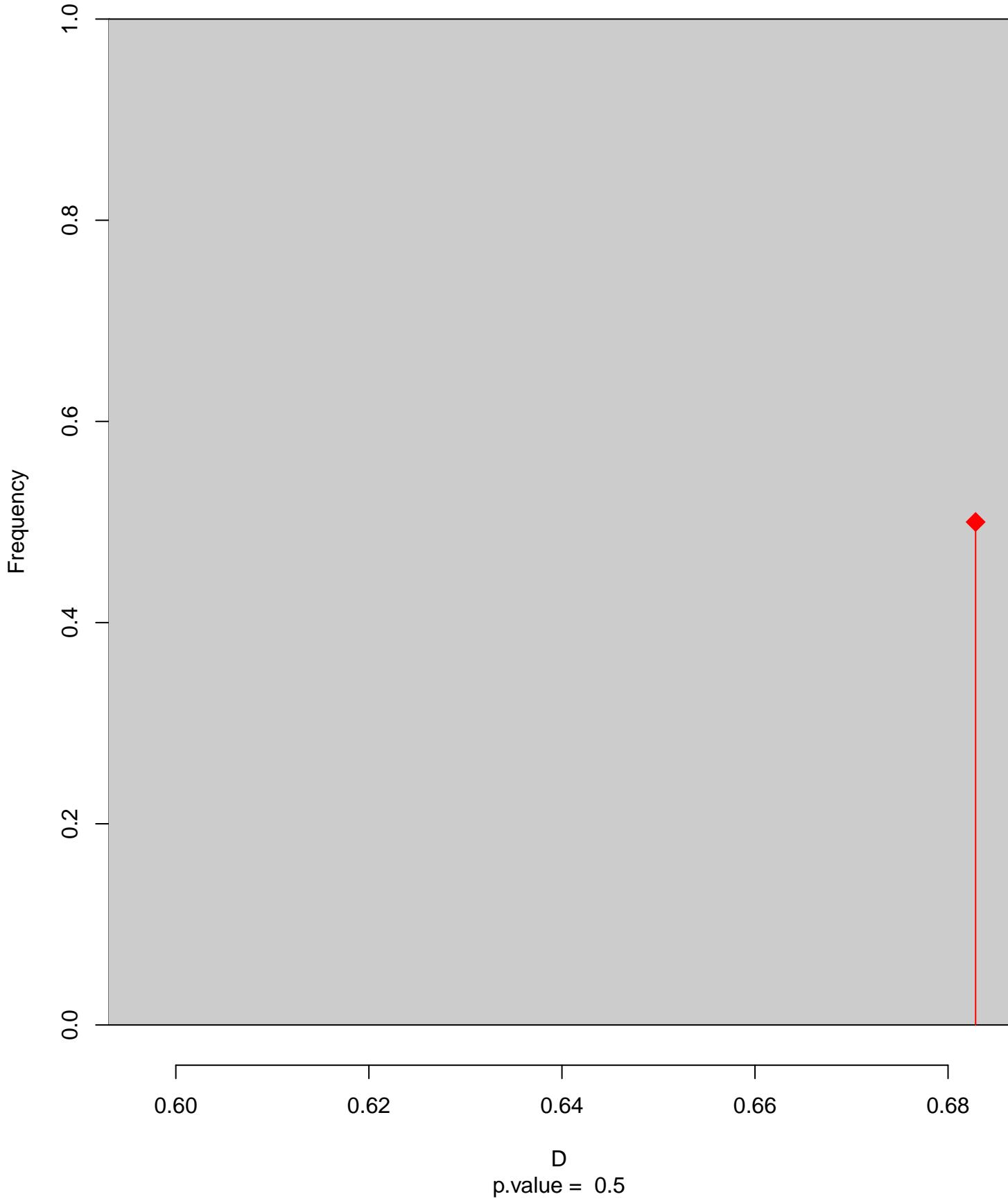


Cecropis abyssinica seasonal overlap-hypo wi

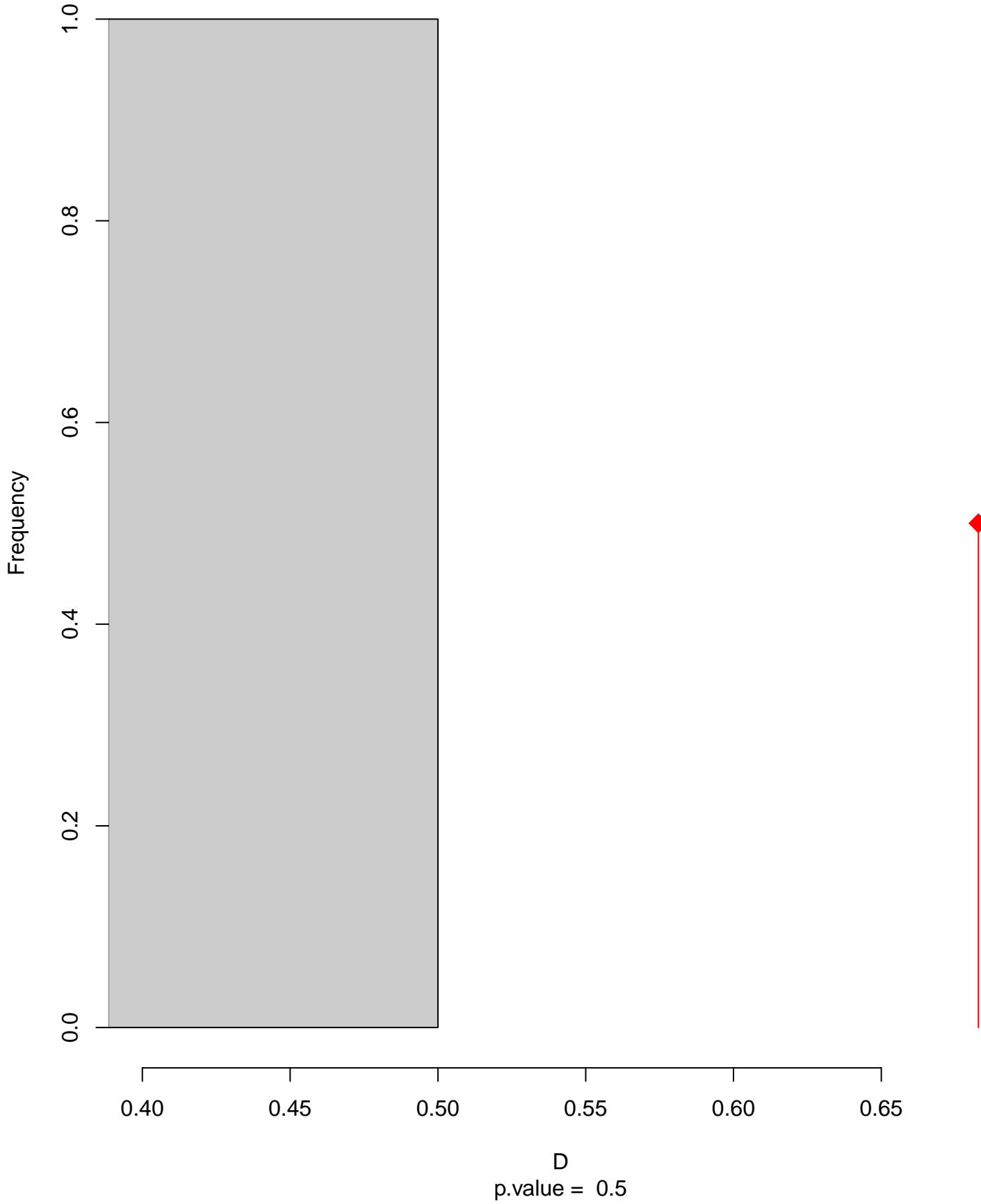


niche overlap:
 $D = 0.683$

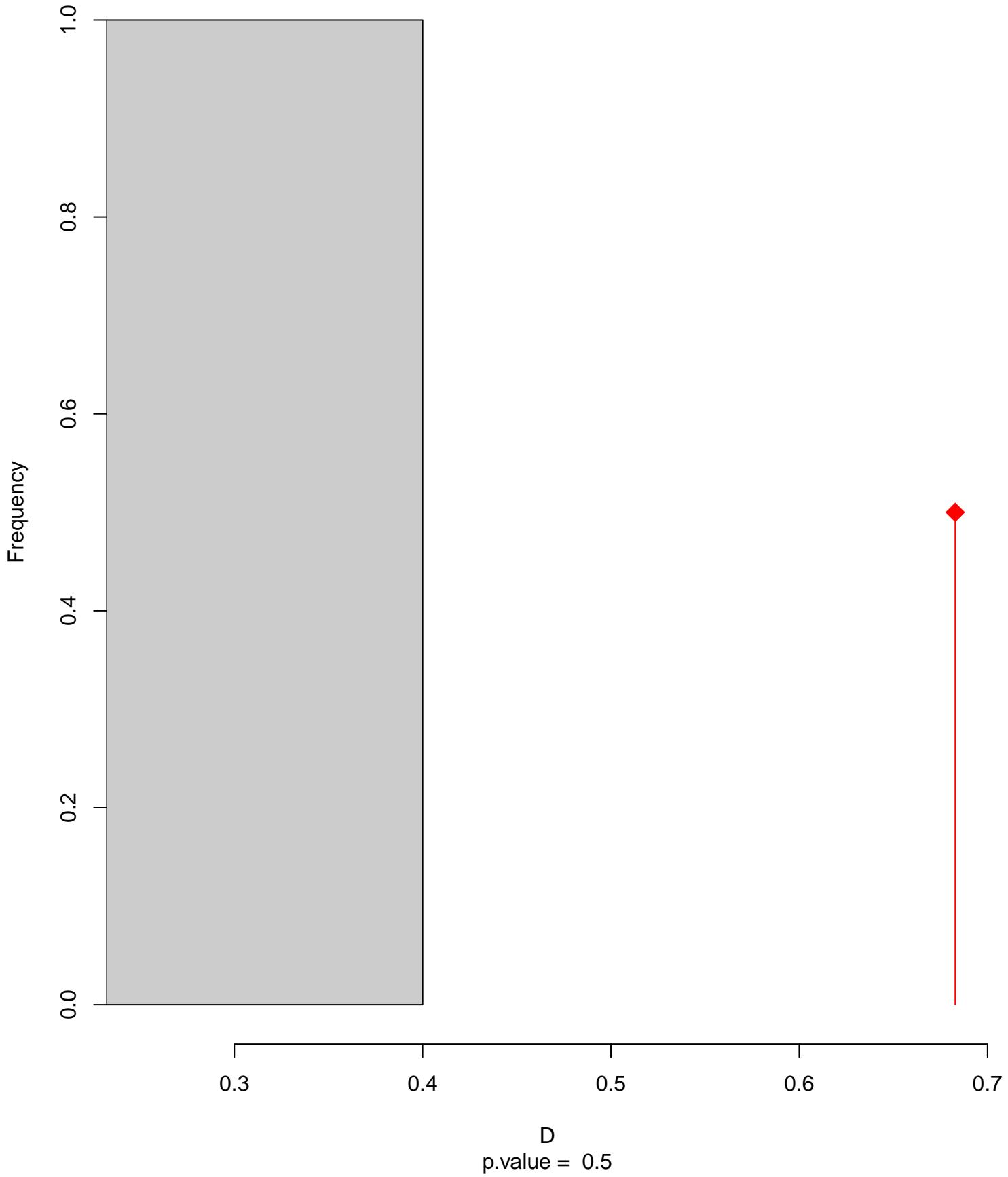
Equivalency



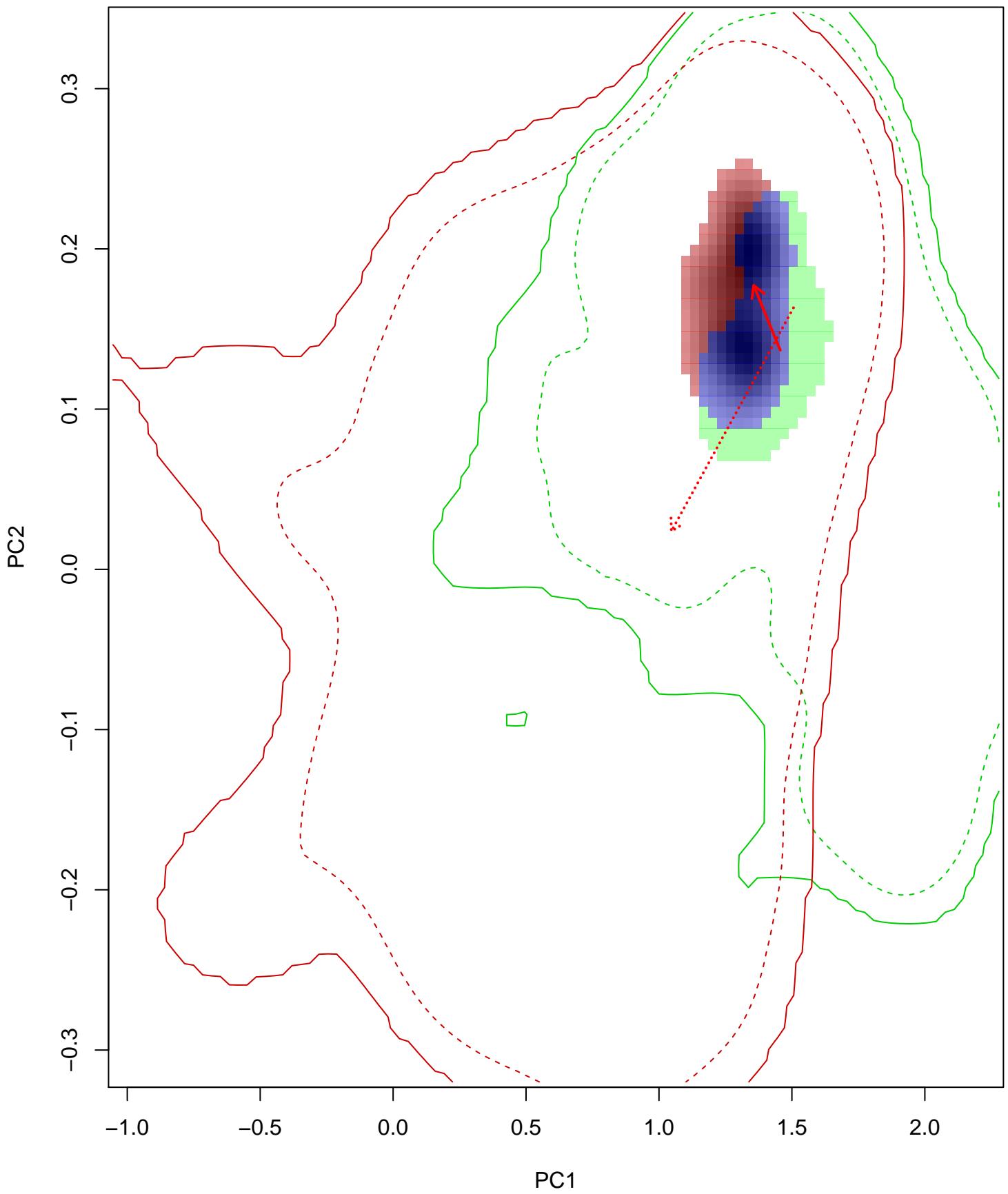
Similarity 2->1



Similarity 1→2

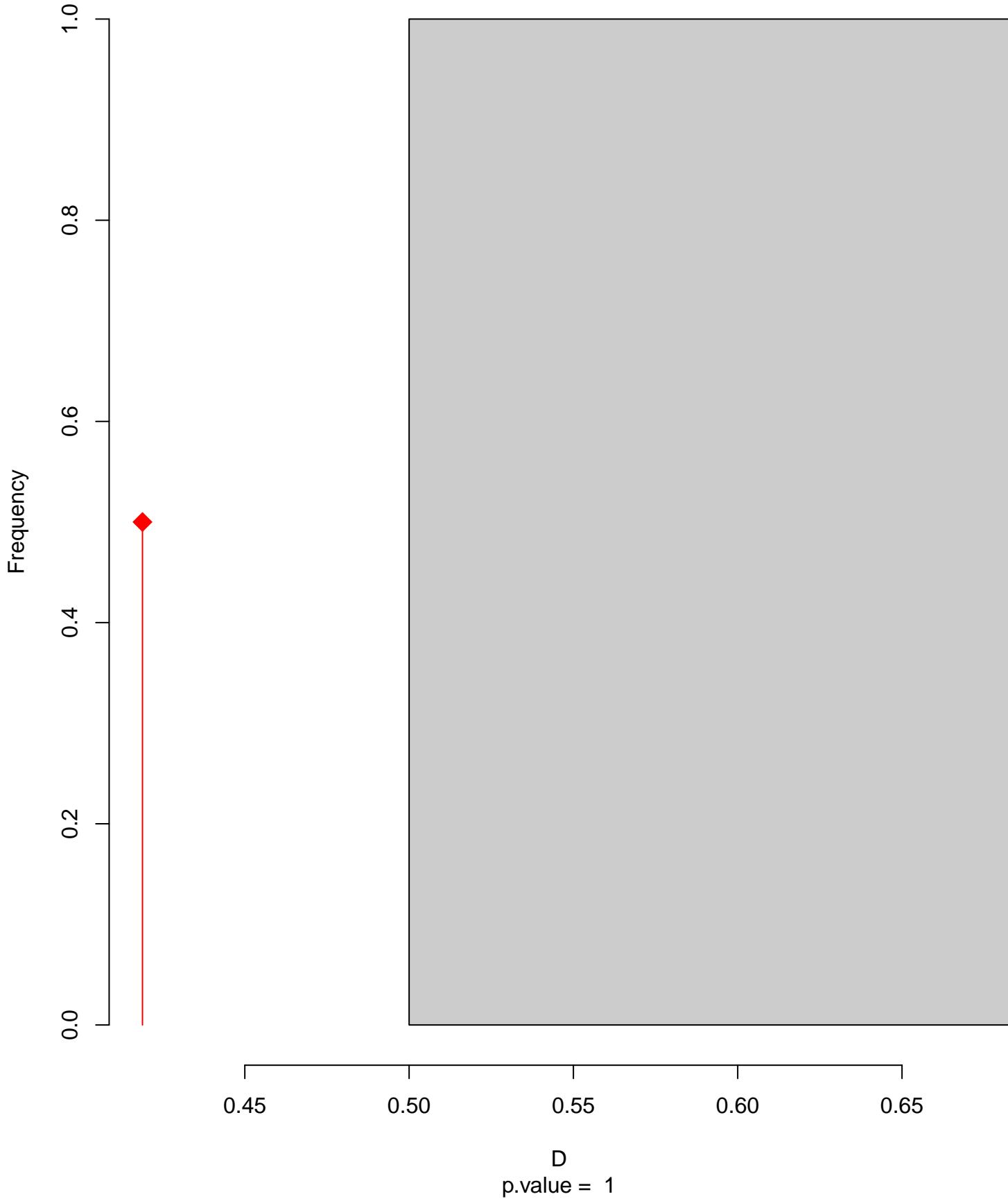


Cecropis_badia seasonal overlap

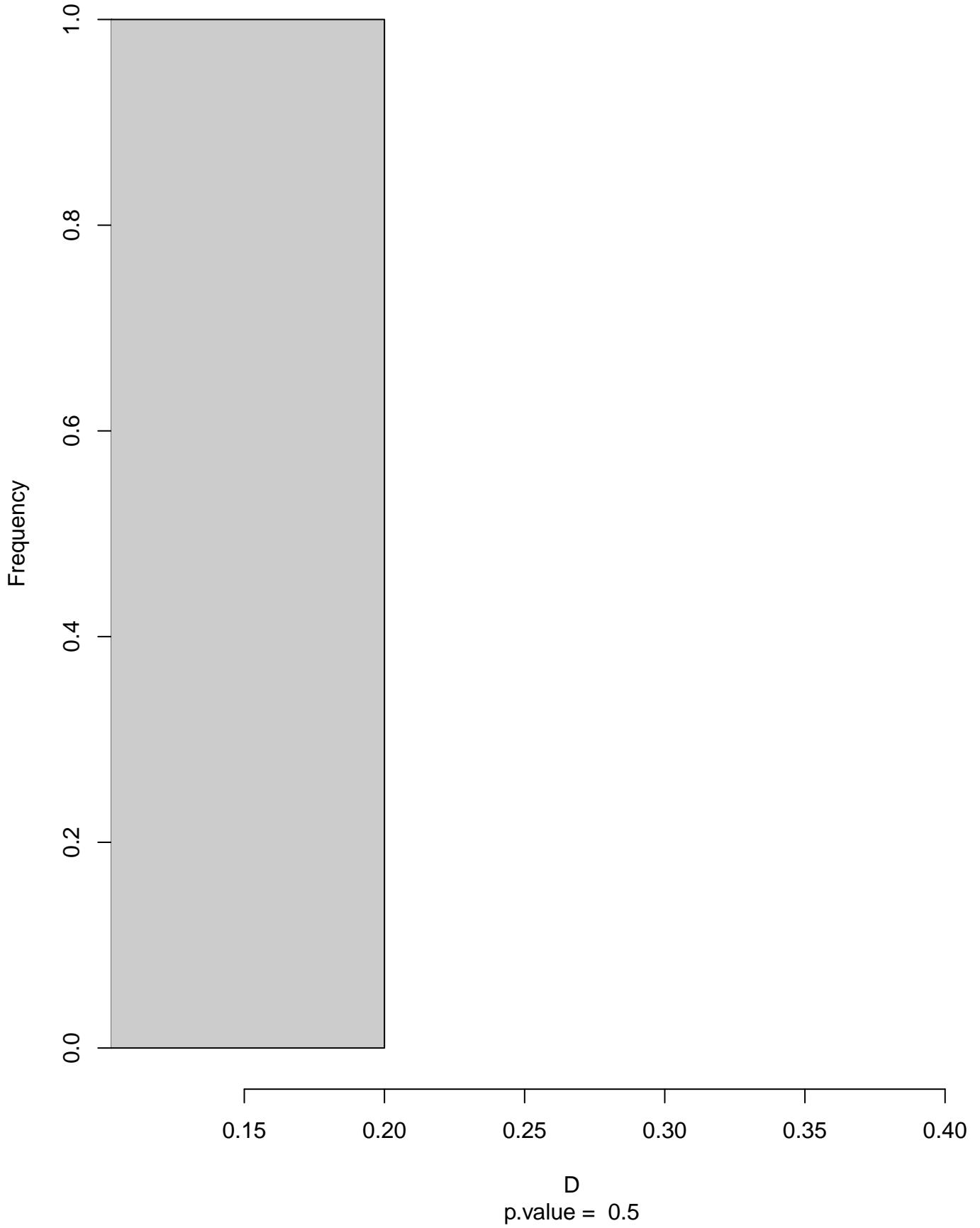


niche overlap:
 $D = 0.419$

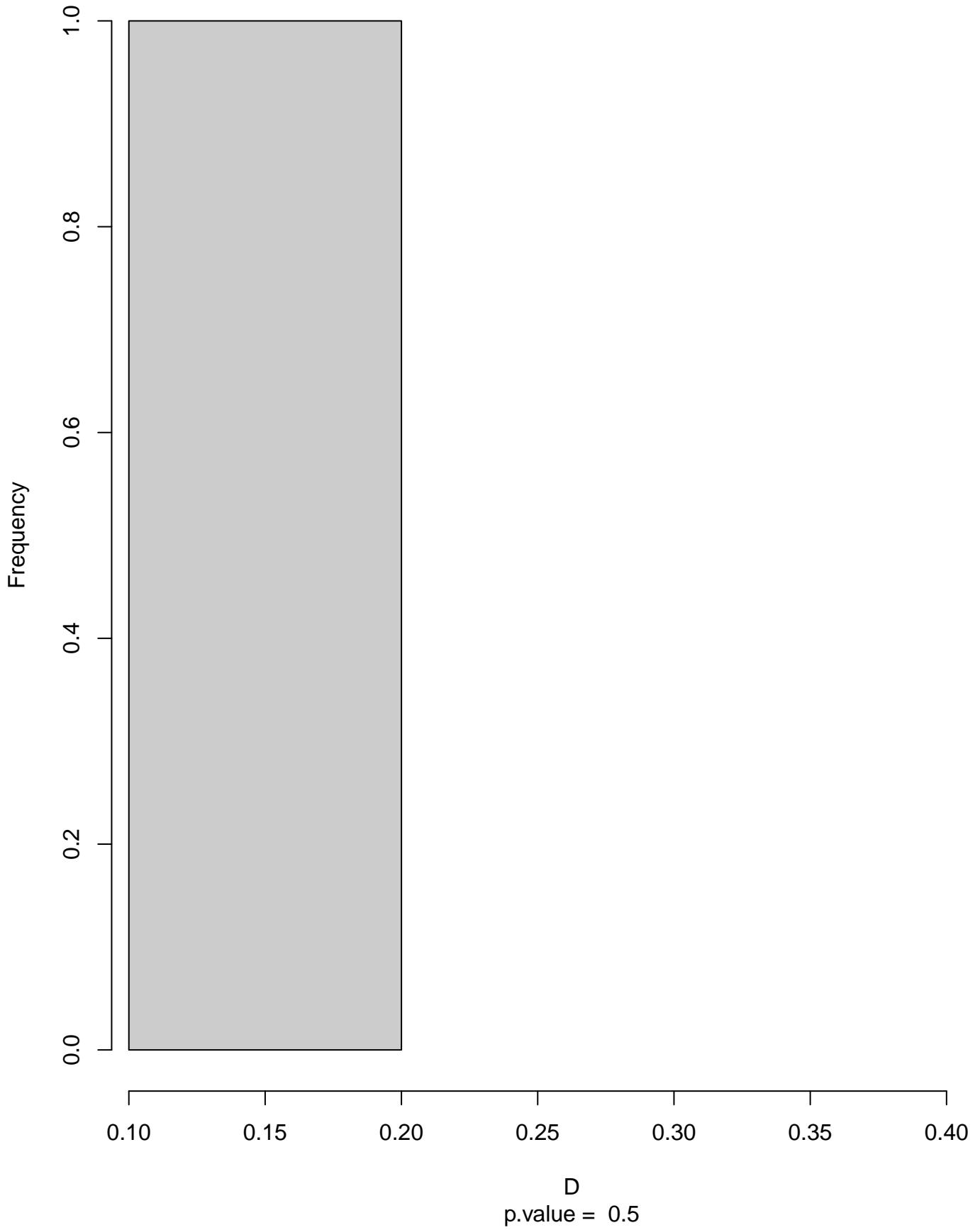
Equivalency



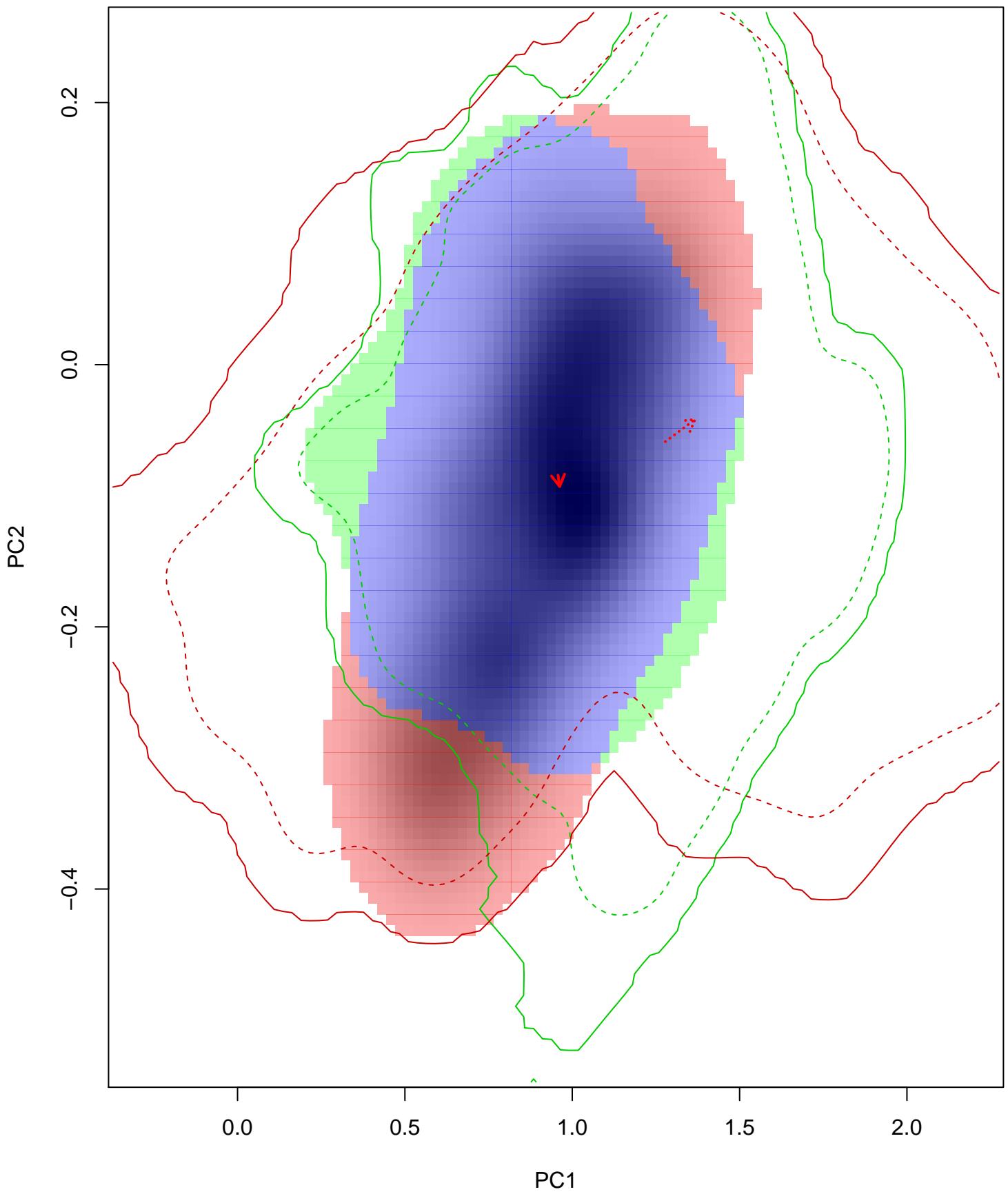
Similarity 2->1



Similarity 1→2

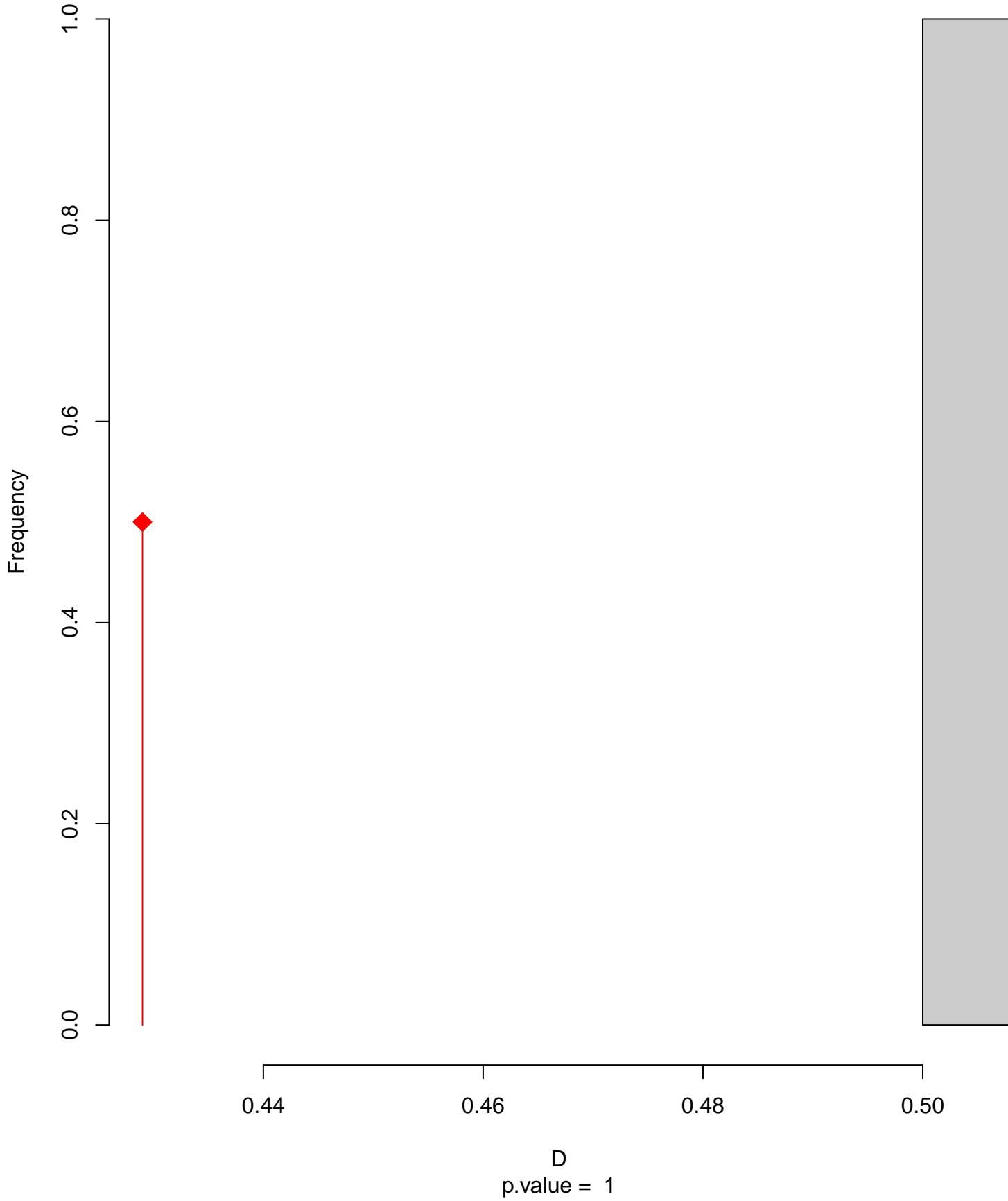


Cecropis_cucullata seasonal overlap

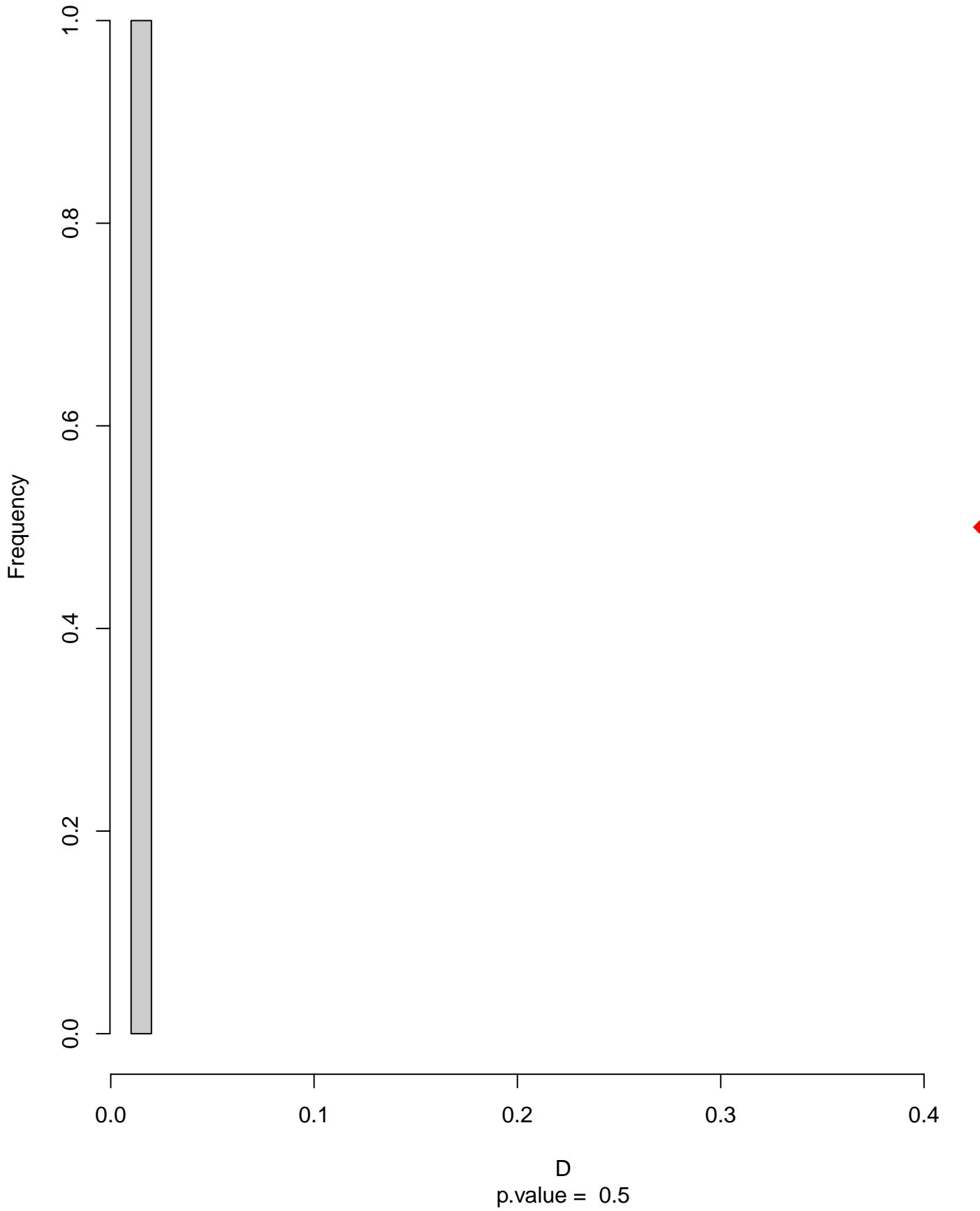


niche overlap:
 $D = 0.429$

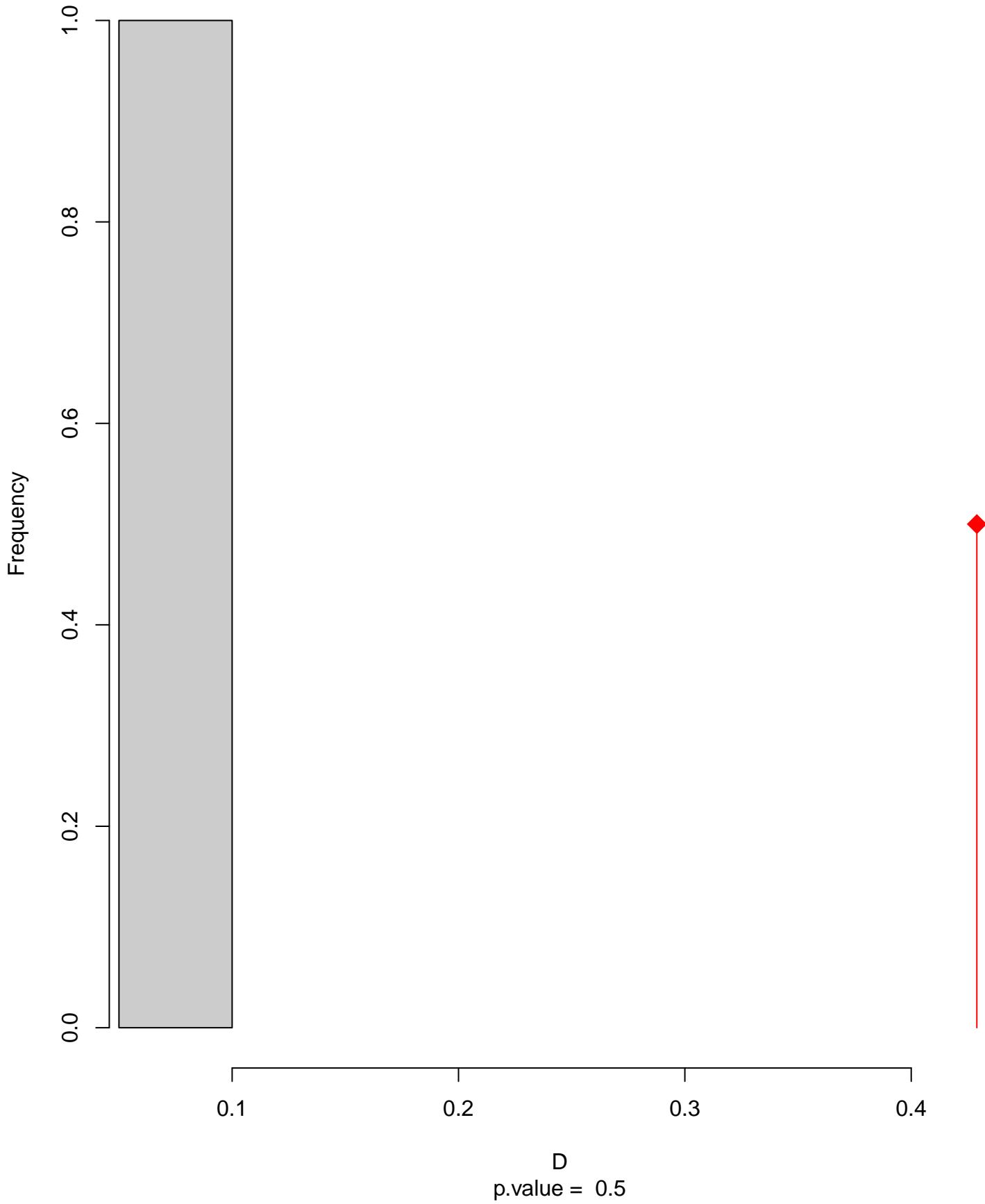
Equivalency



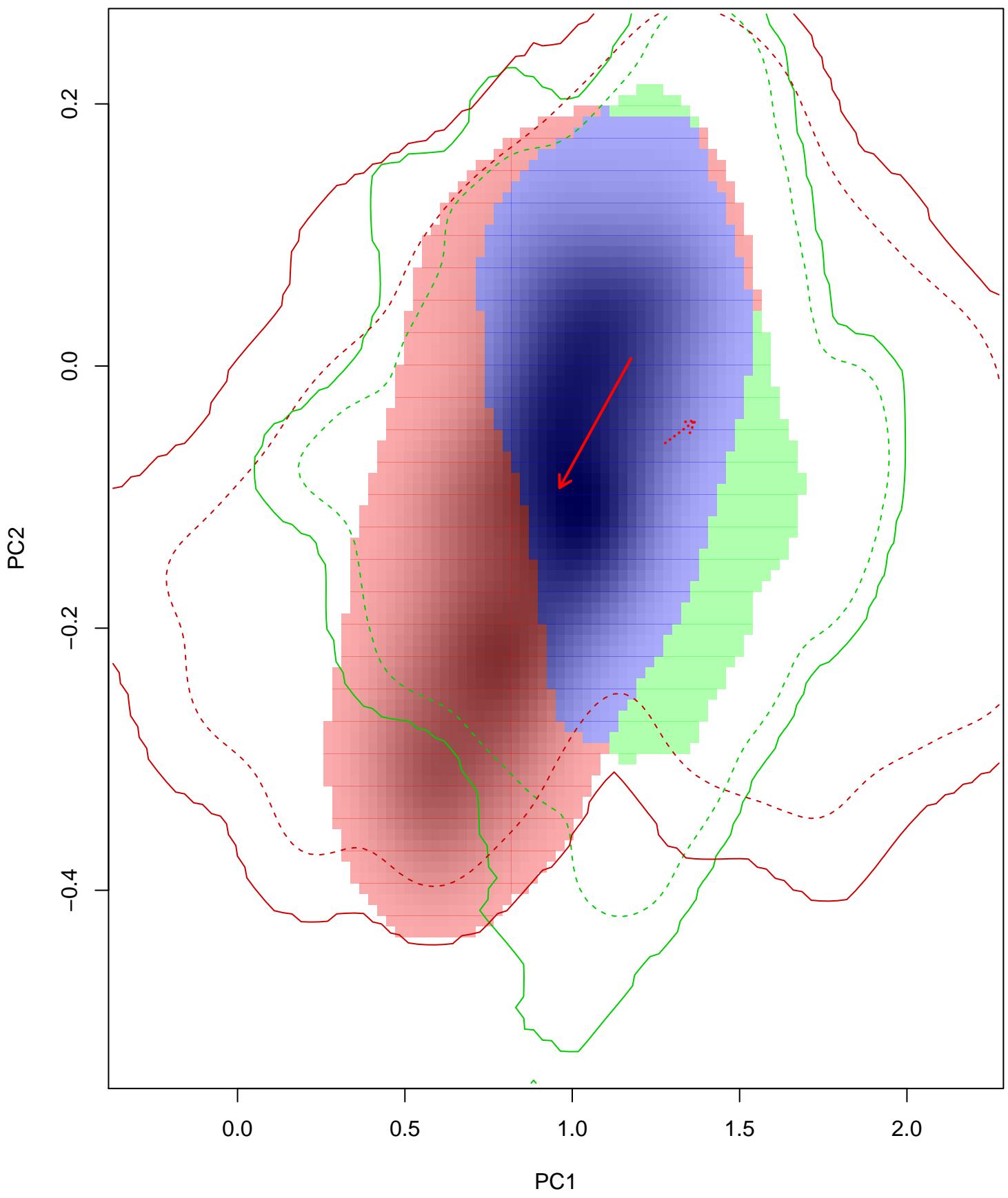
Similarity 2->1



Similarity 1→2

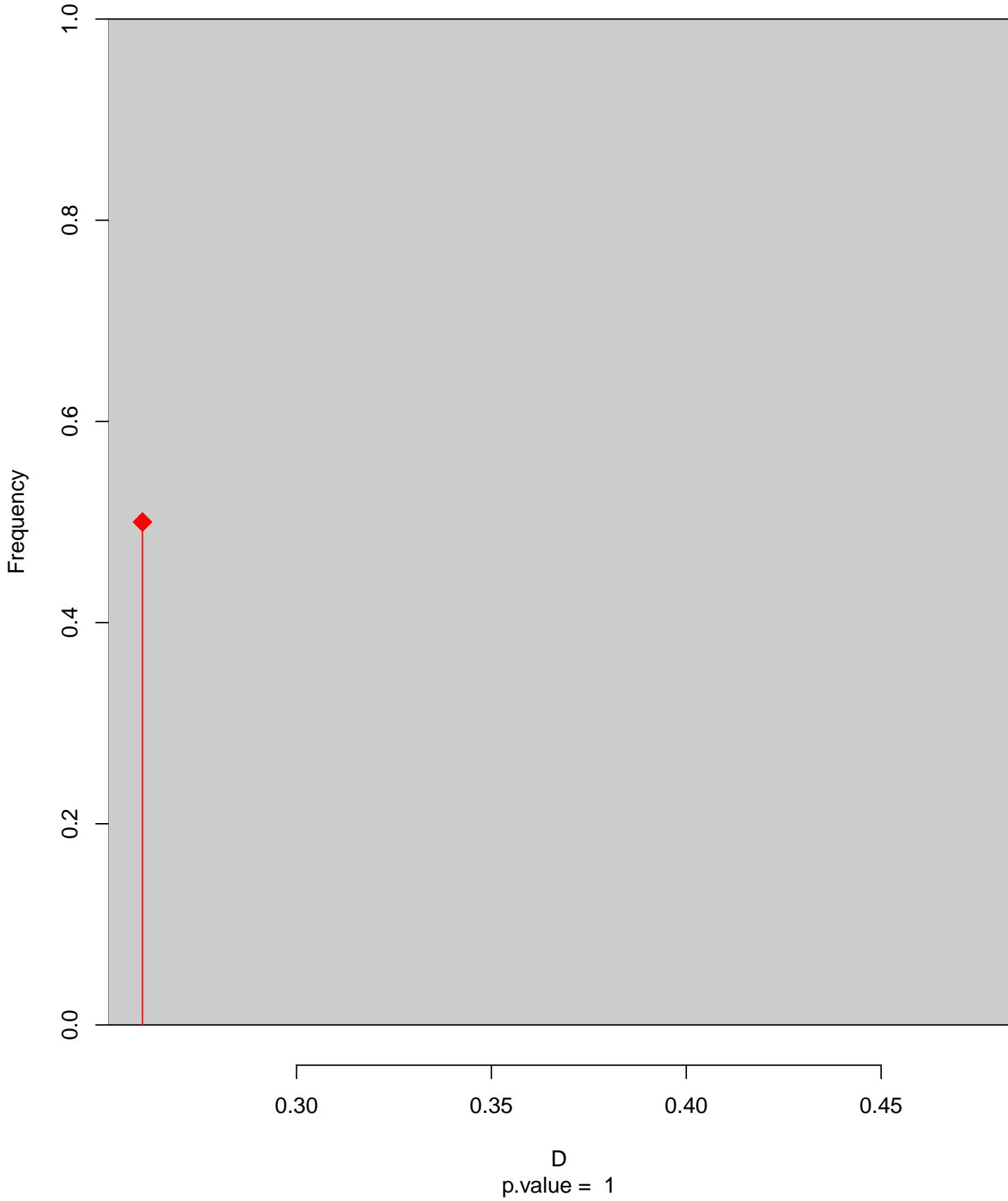


Cecropis_cucullata seasonal overlap-hypo.br

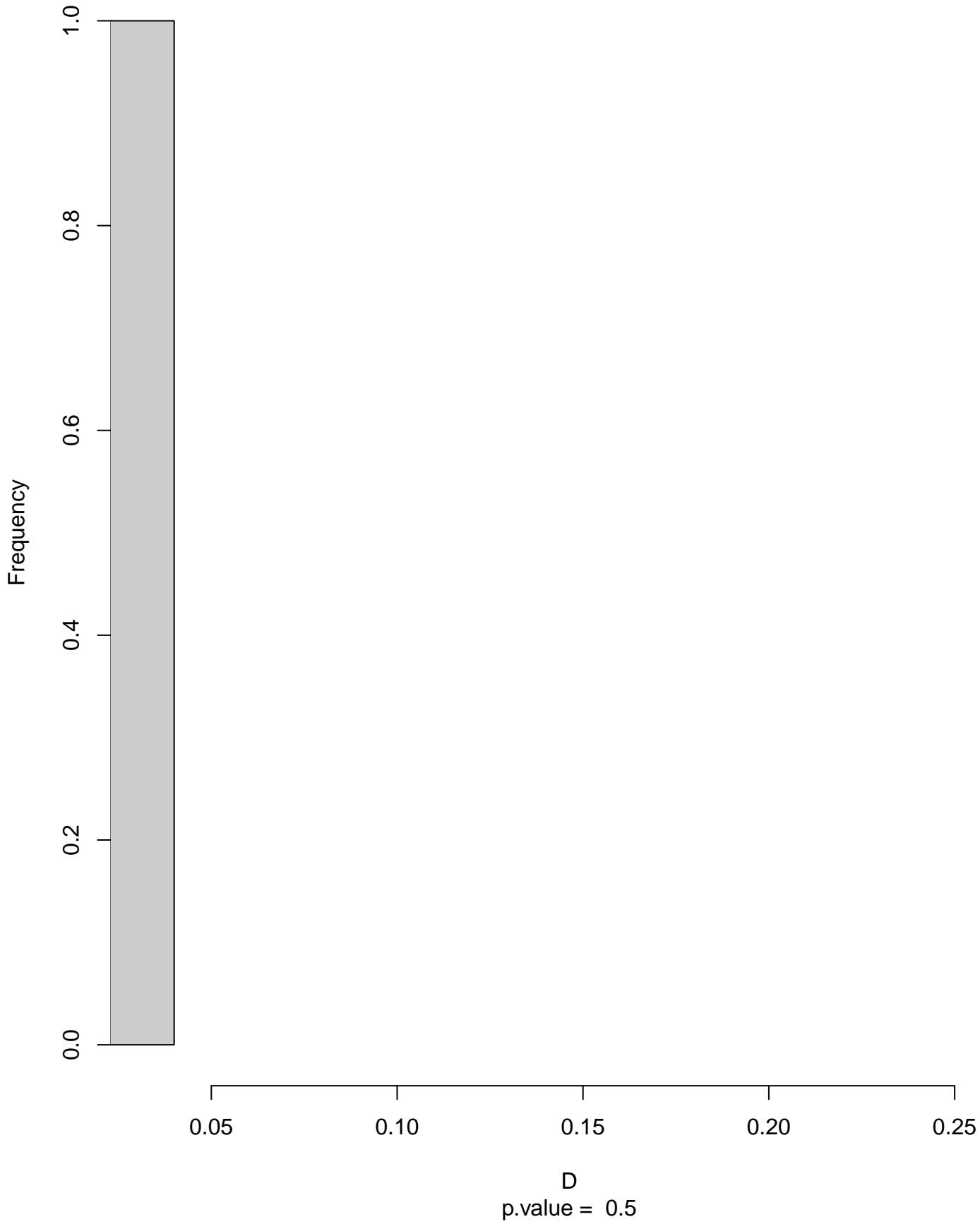


niche overlap:
 $D = 0.26$

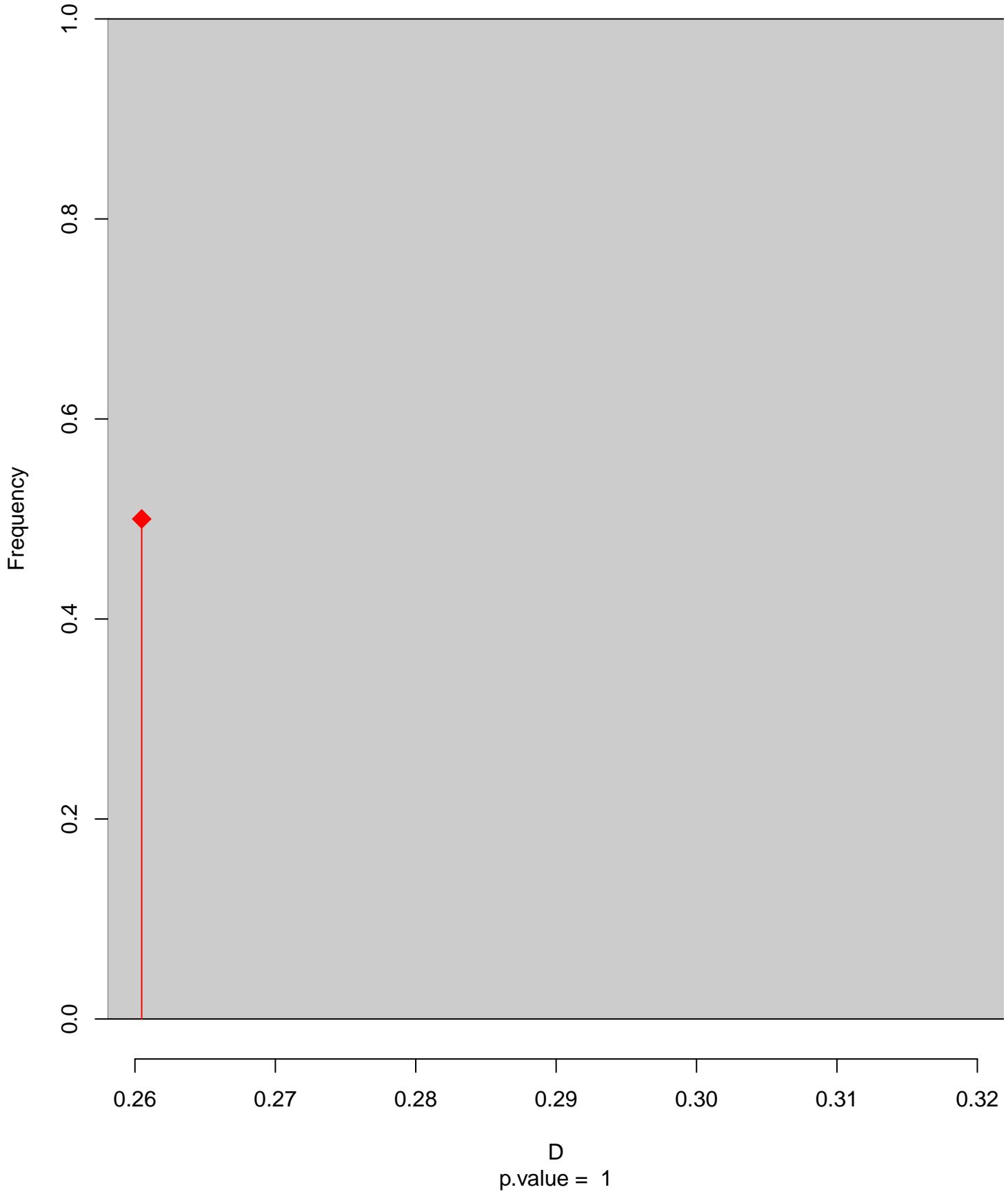
Equivalency



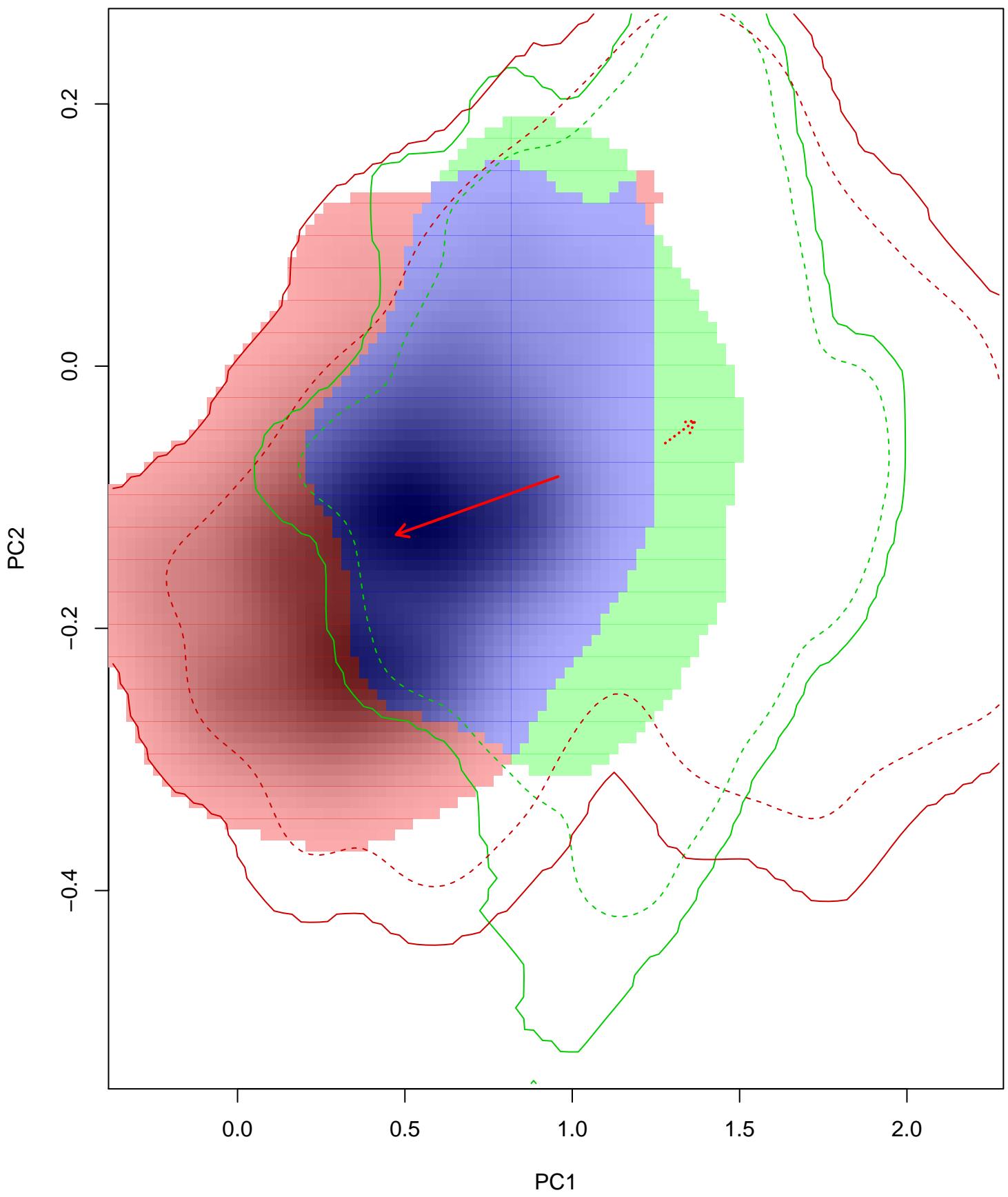
Similarity 2->1



Similarity 1→2

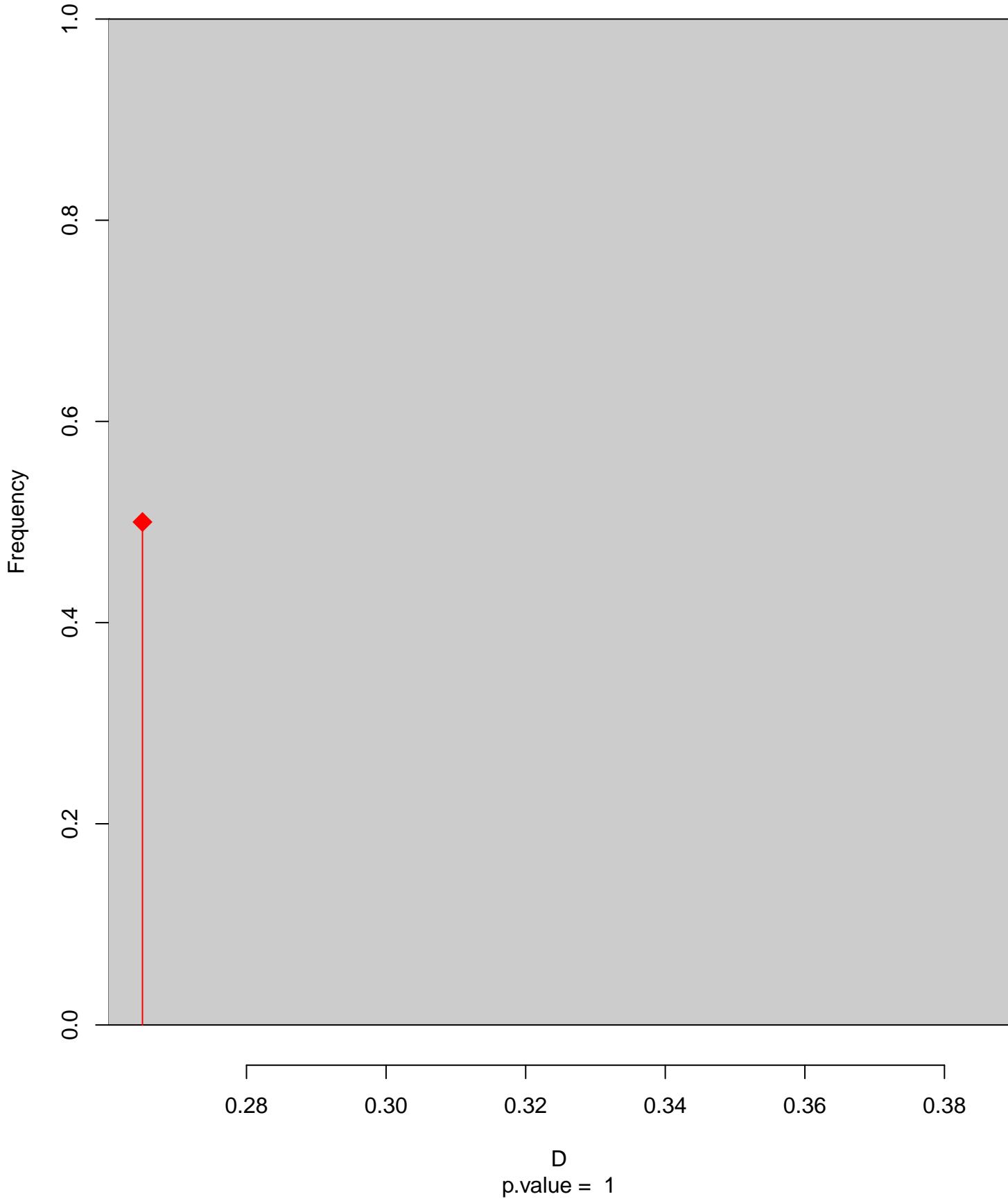


Cecropis_cucullata seasonal overlap-hypo wi



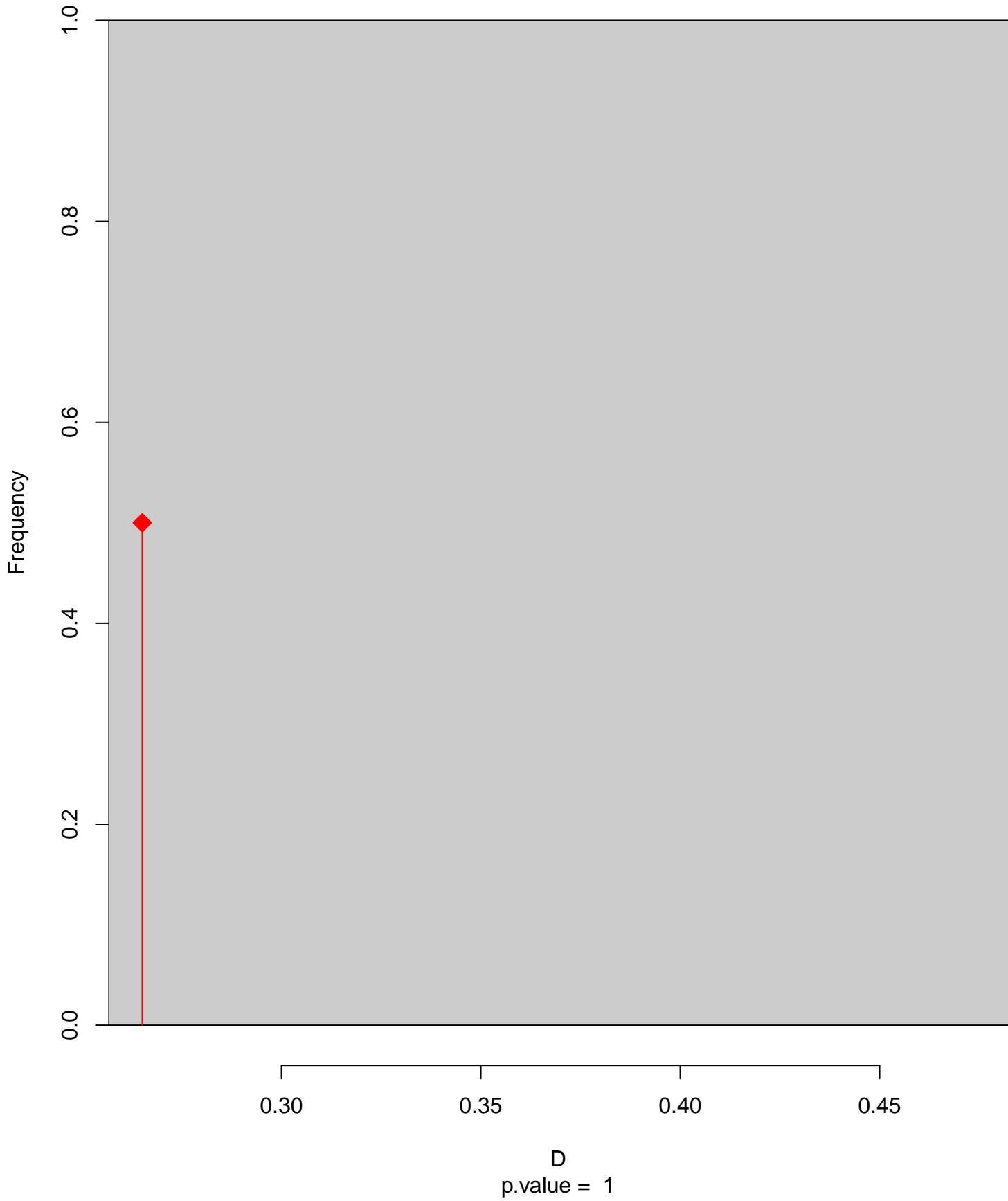
niche overlap:
 $D = 0.265$

Equivalency



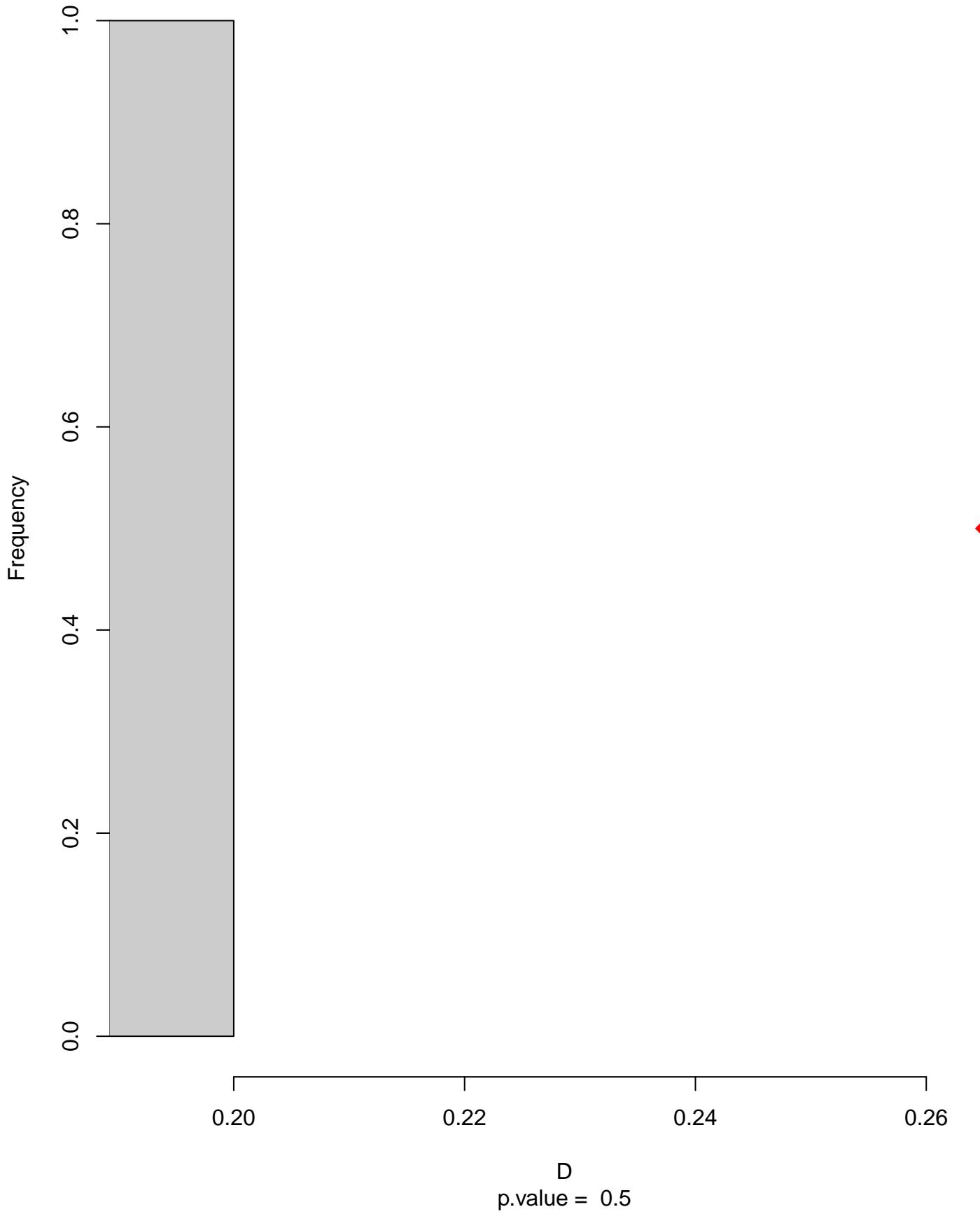
D
p.value = 1

Similarity 2->1

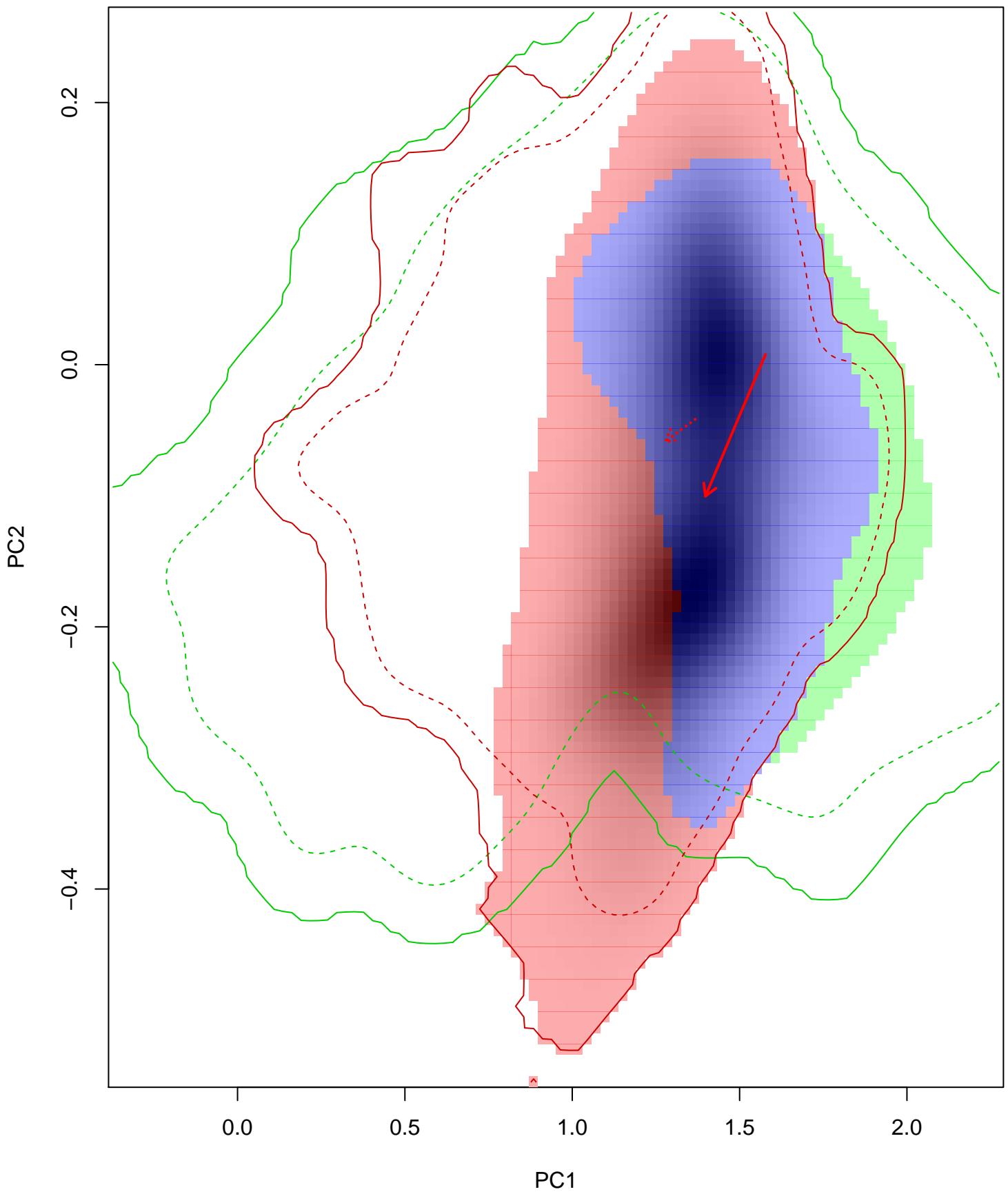


D
p.value = 1

Similarity 1→2

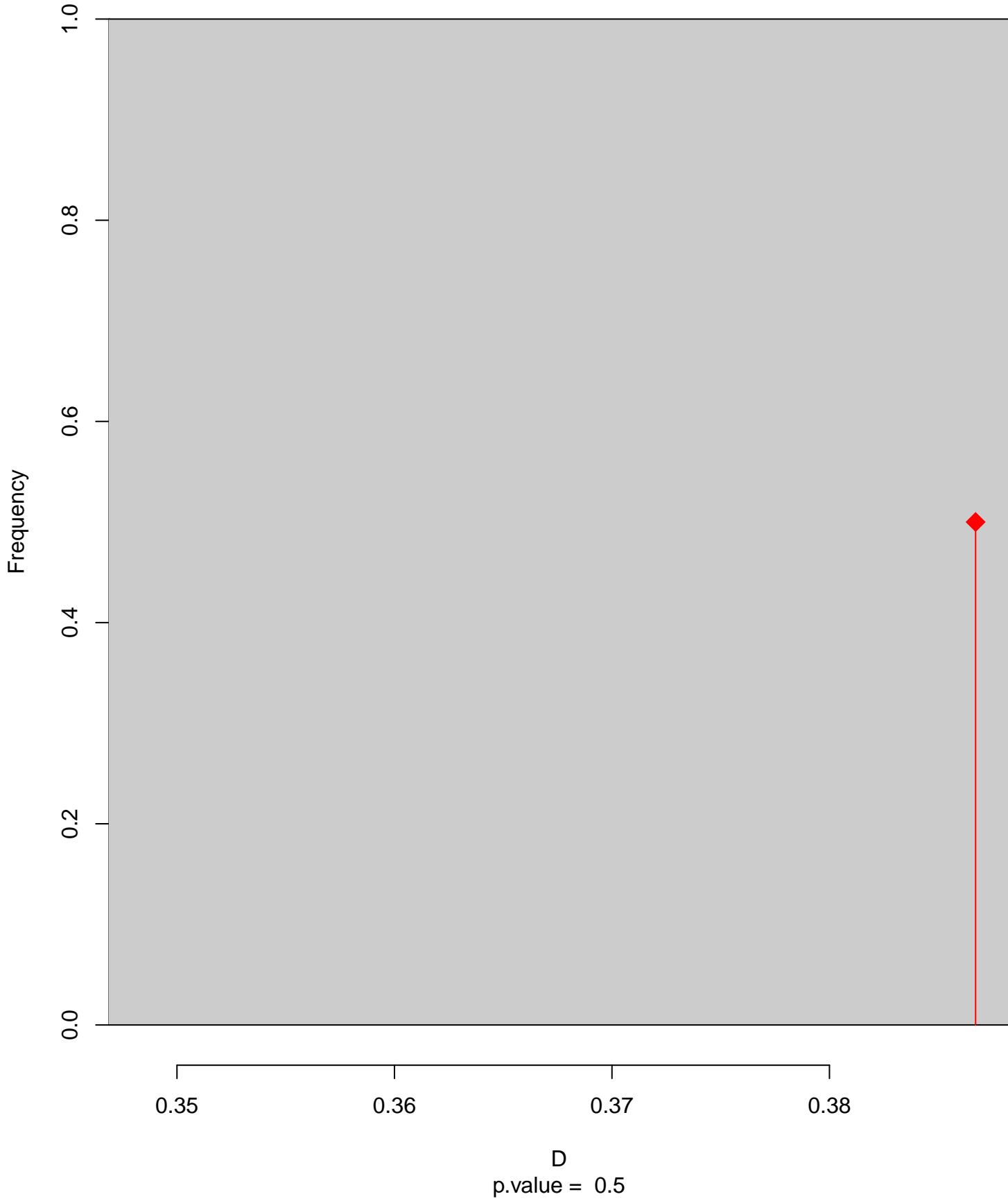


Cecropis_domicella seasonal overlap

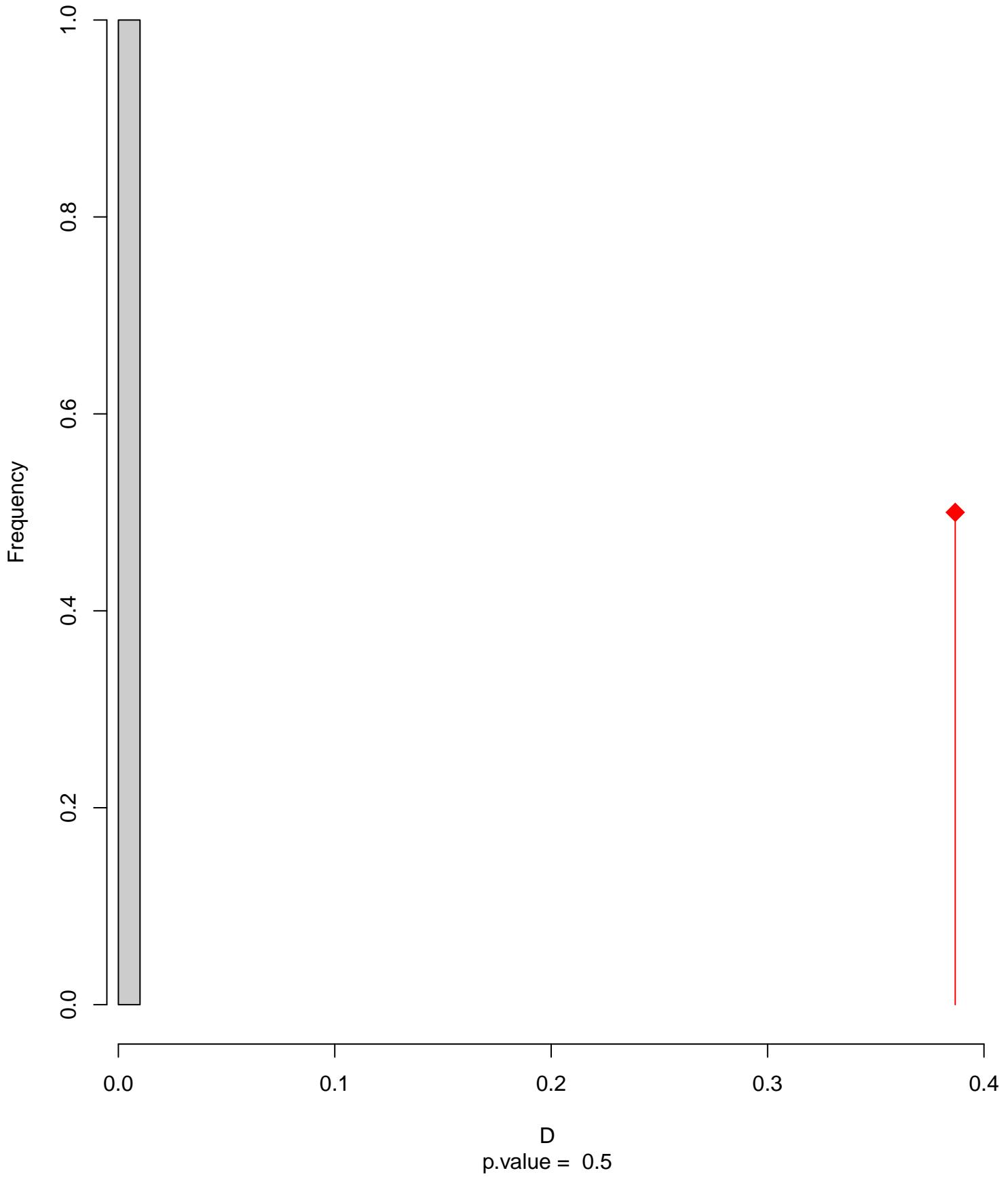


niche overlap:
 $D = 0.387$

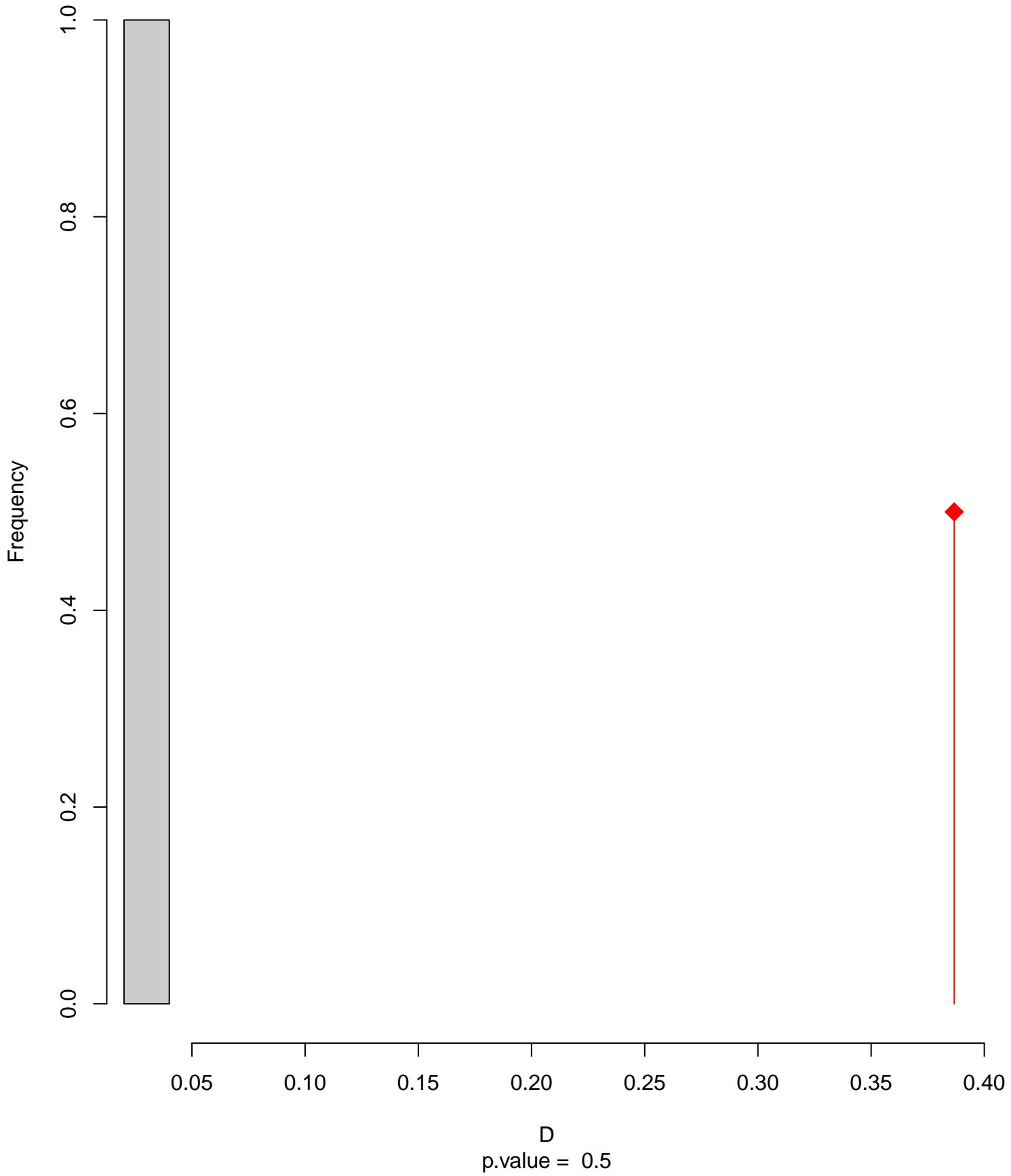
Equivalency



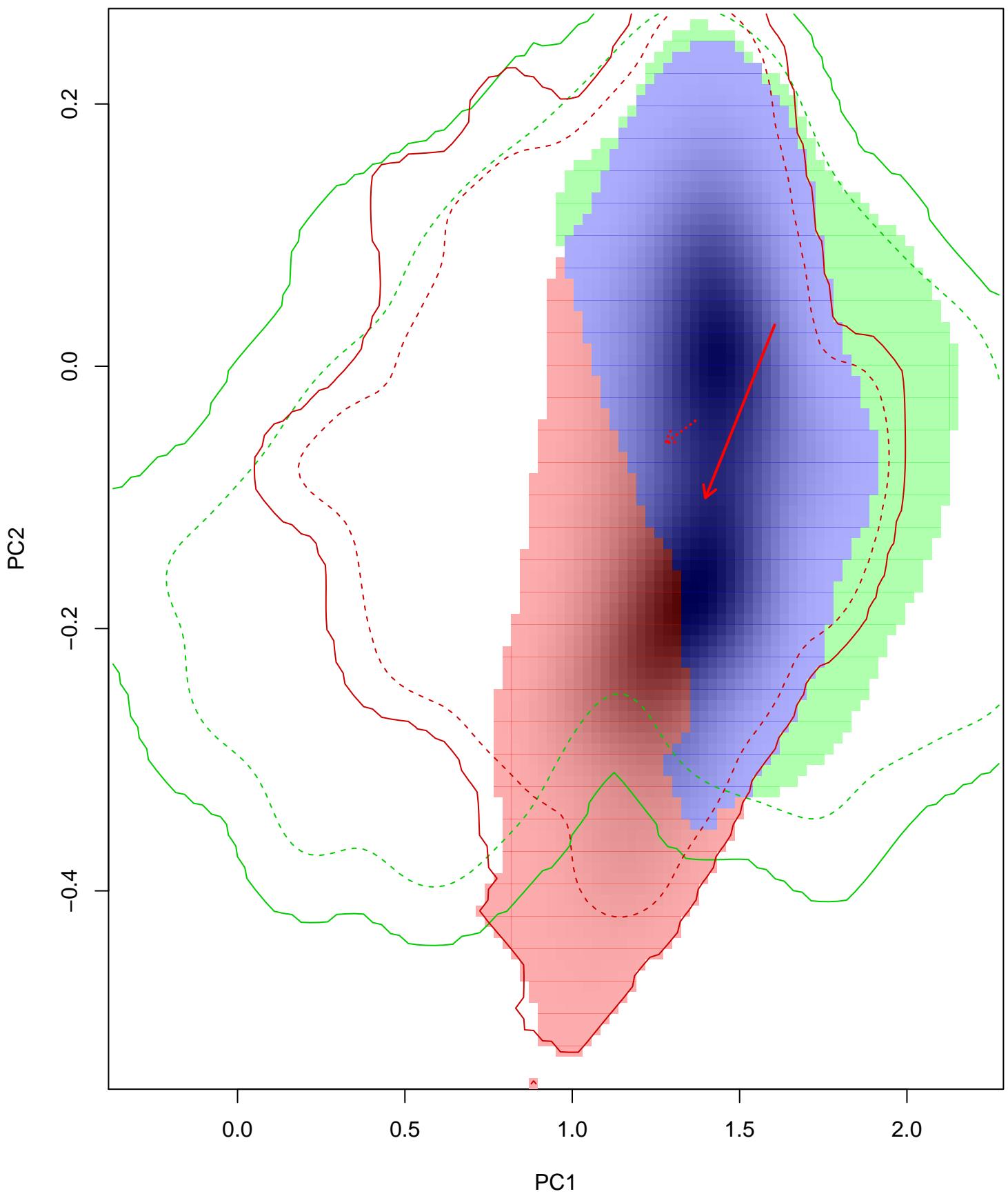
Similarity 2->1



Similarity 1→2

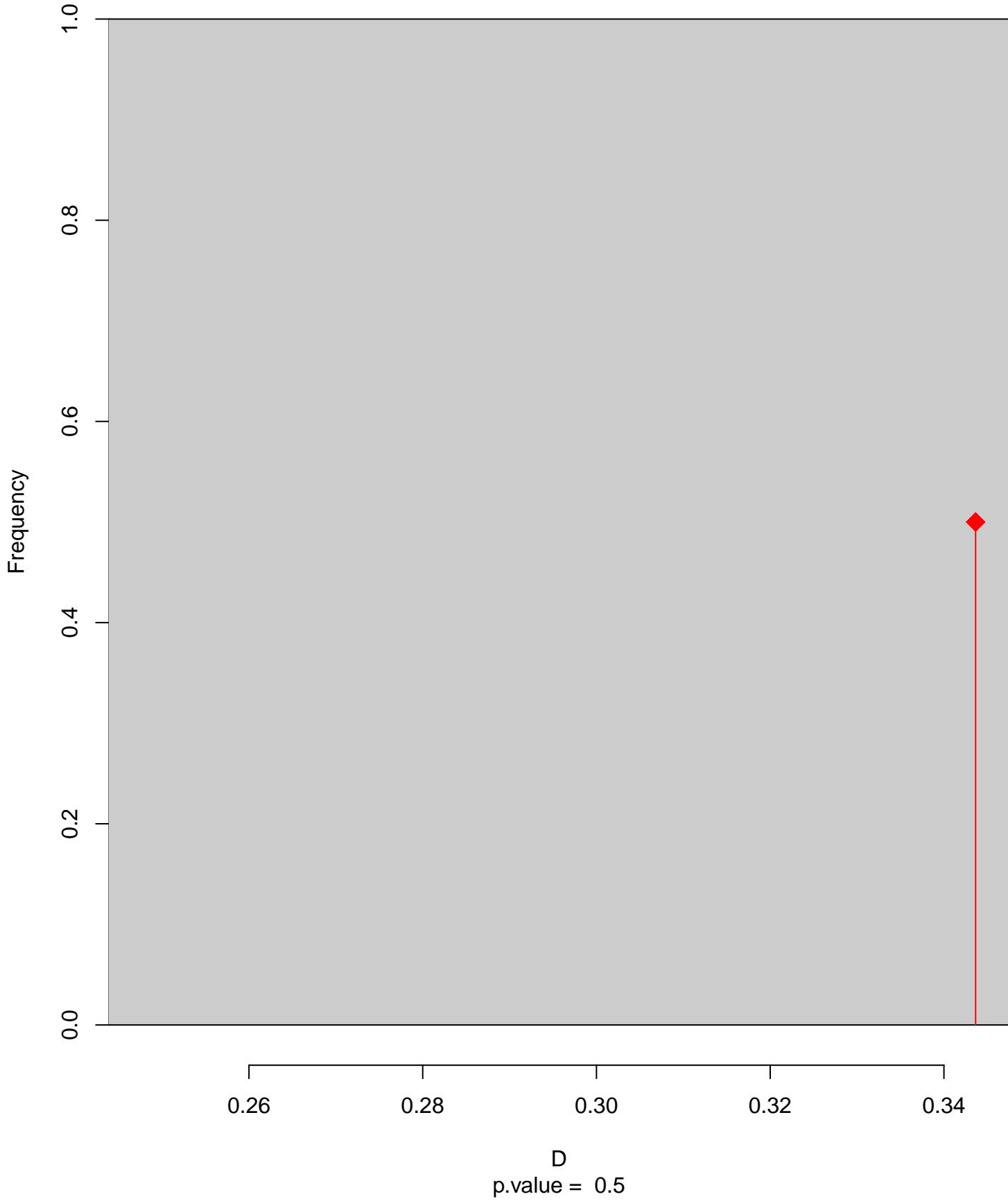


Cecropis_domicella seasonal overlap-hypo.br

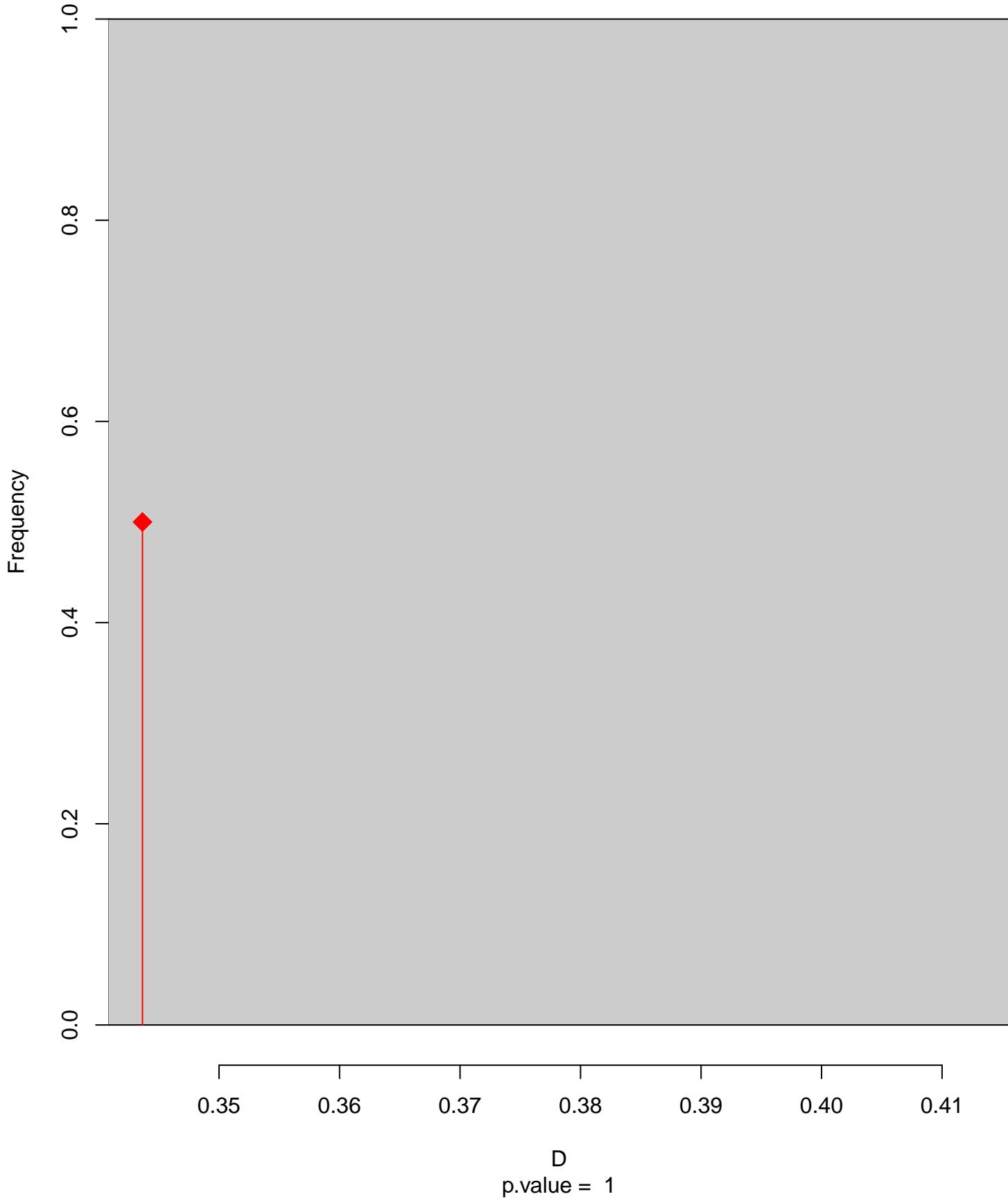


niche overlap:
 $D = 0.344$

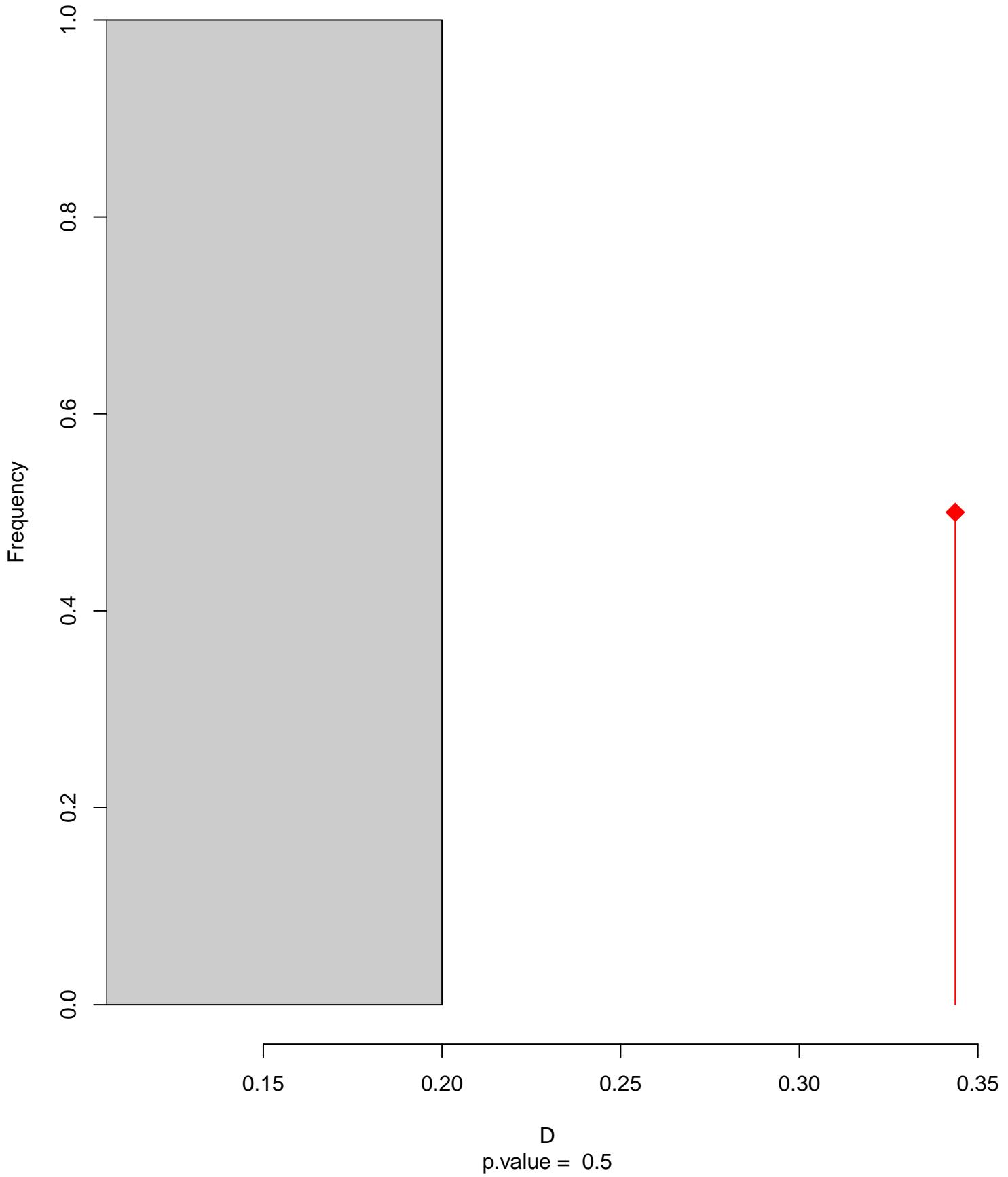
Equivalency



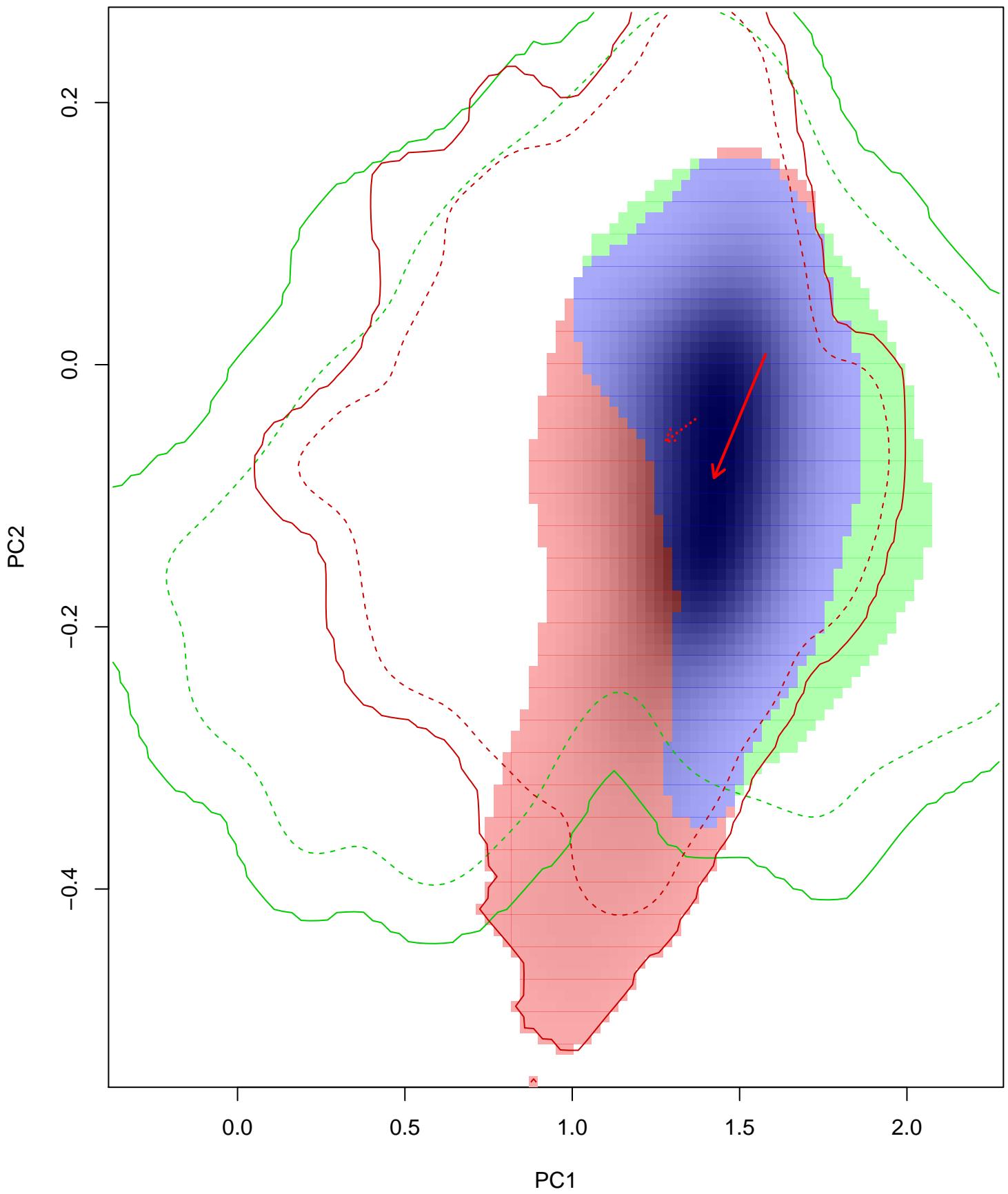
Similarity 2->1



Similarity 1→2

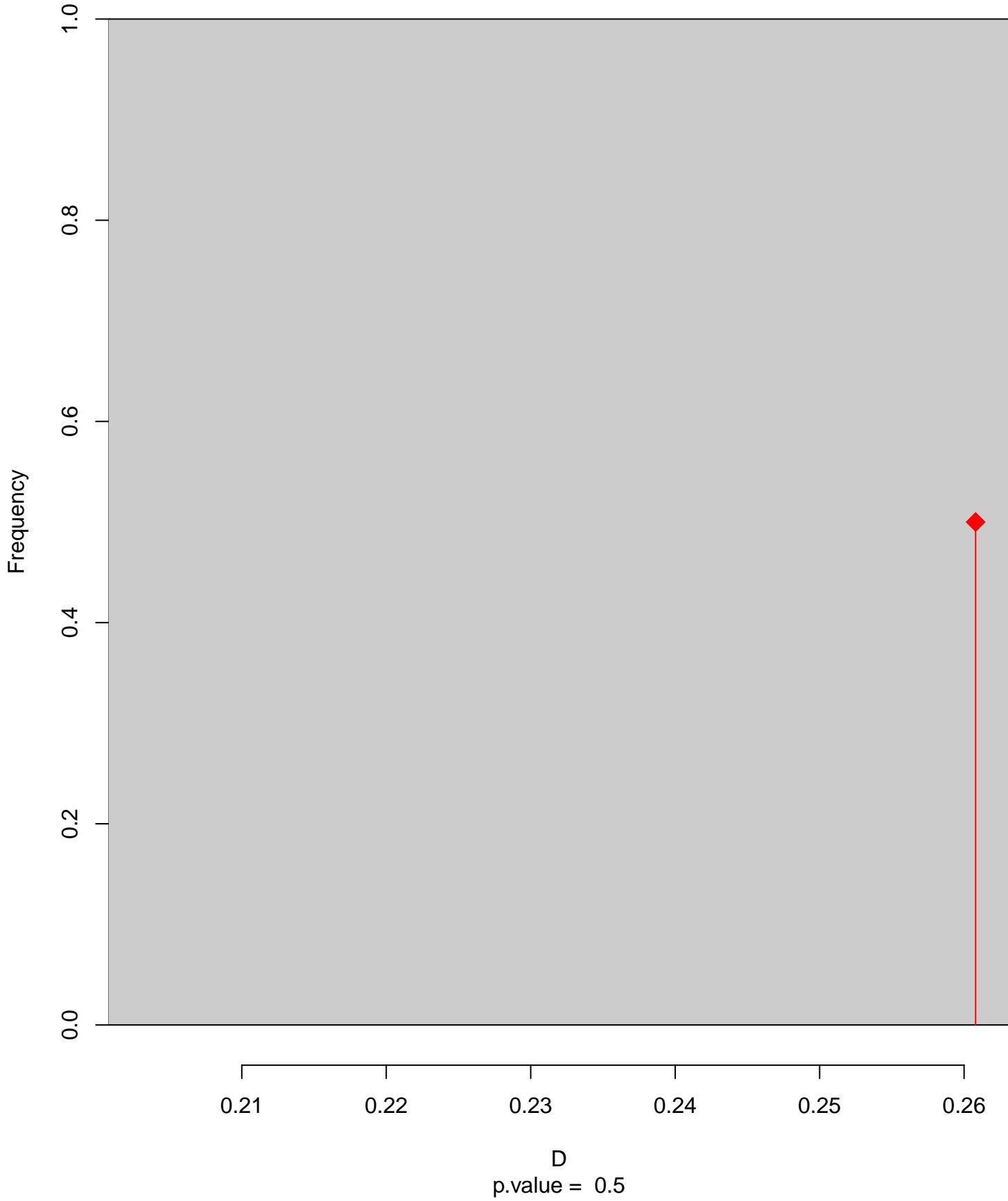


Cecropis_domicella seasonal overlap-hypo wi

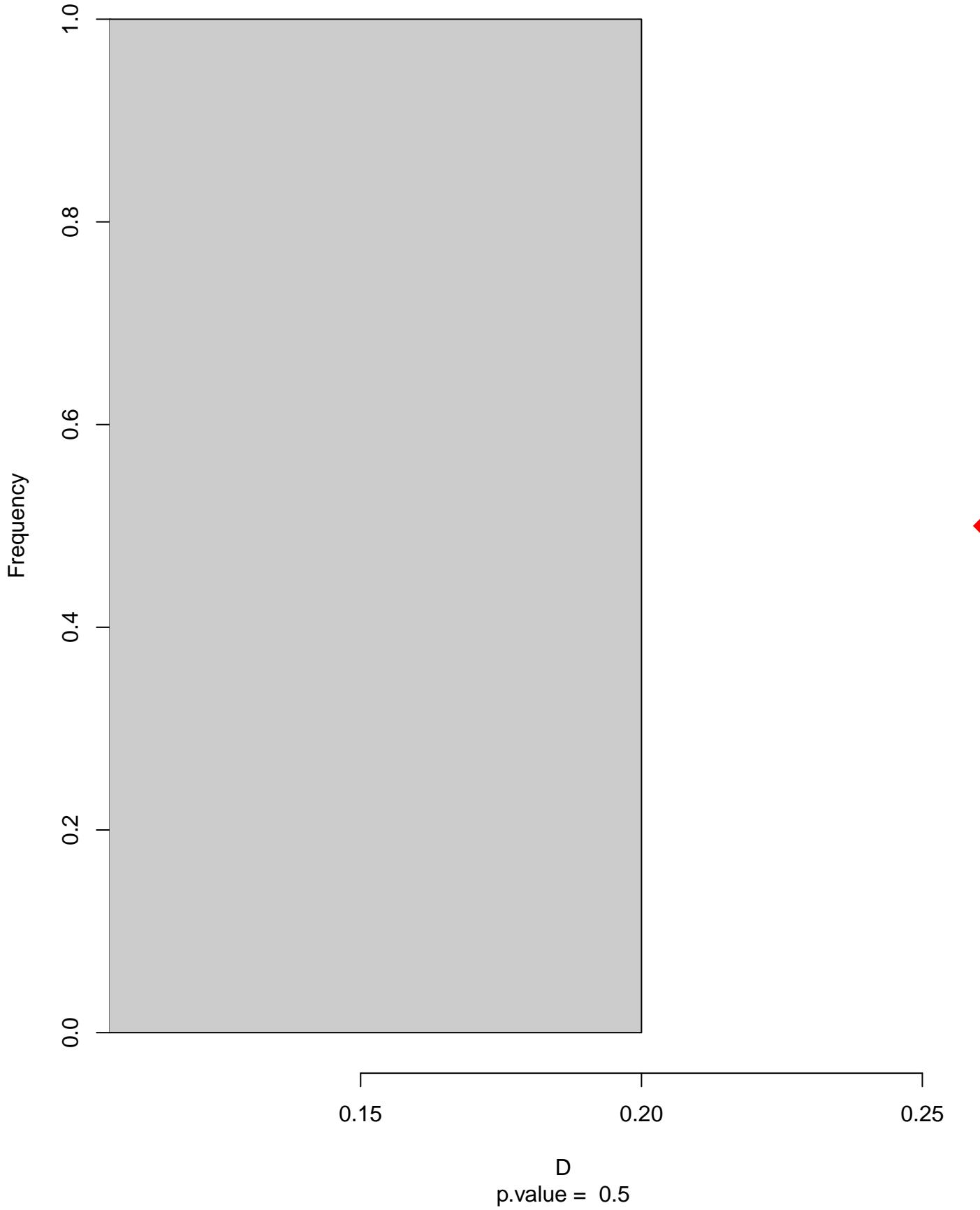


niche overlap:
 $D = 0.261$

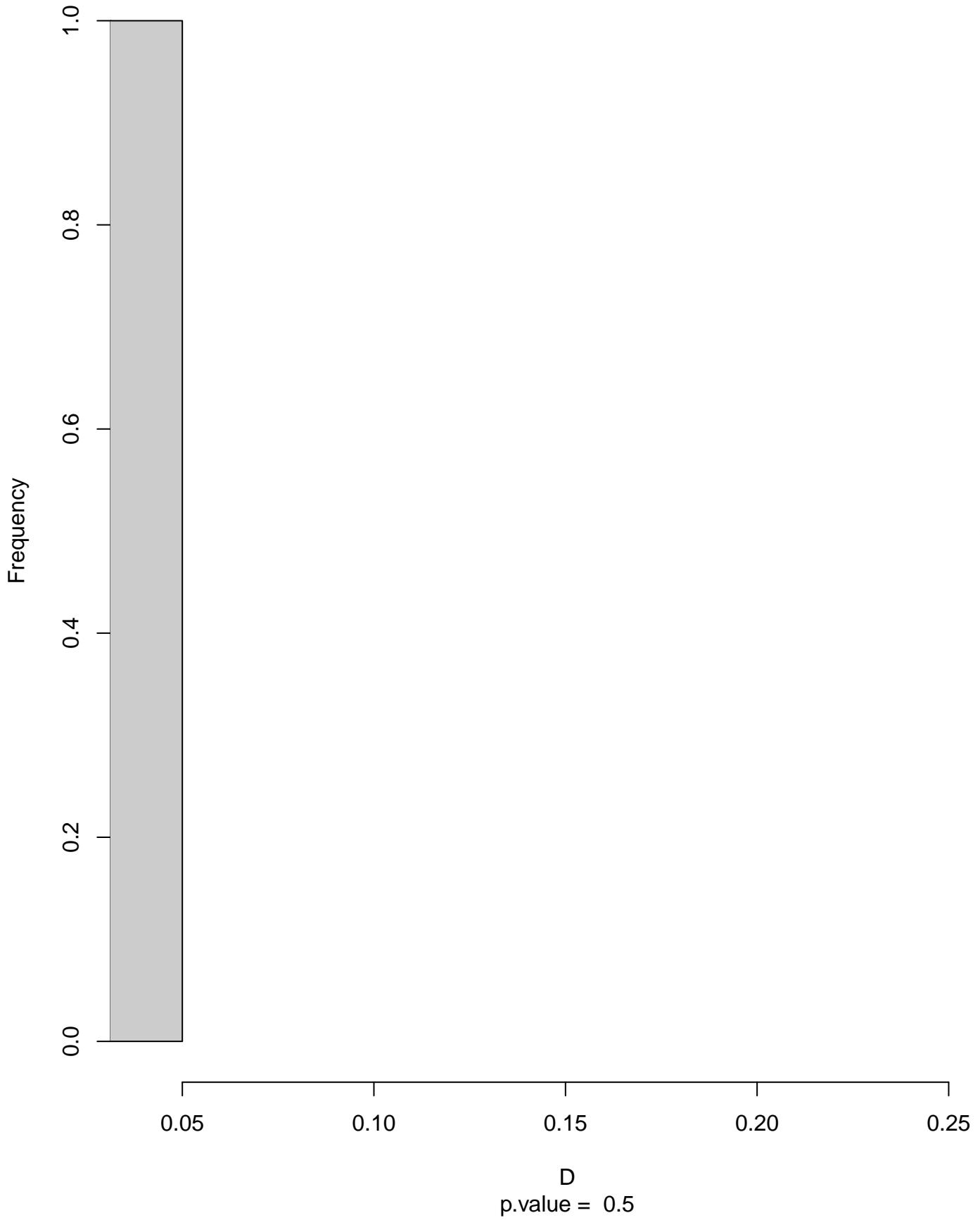
Equivalency



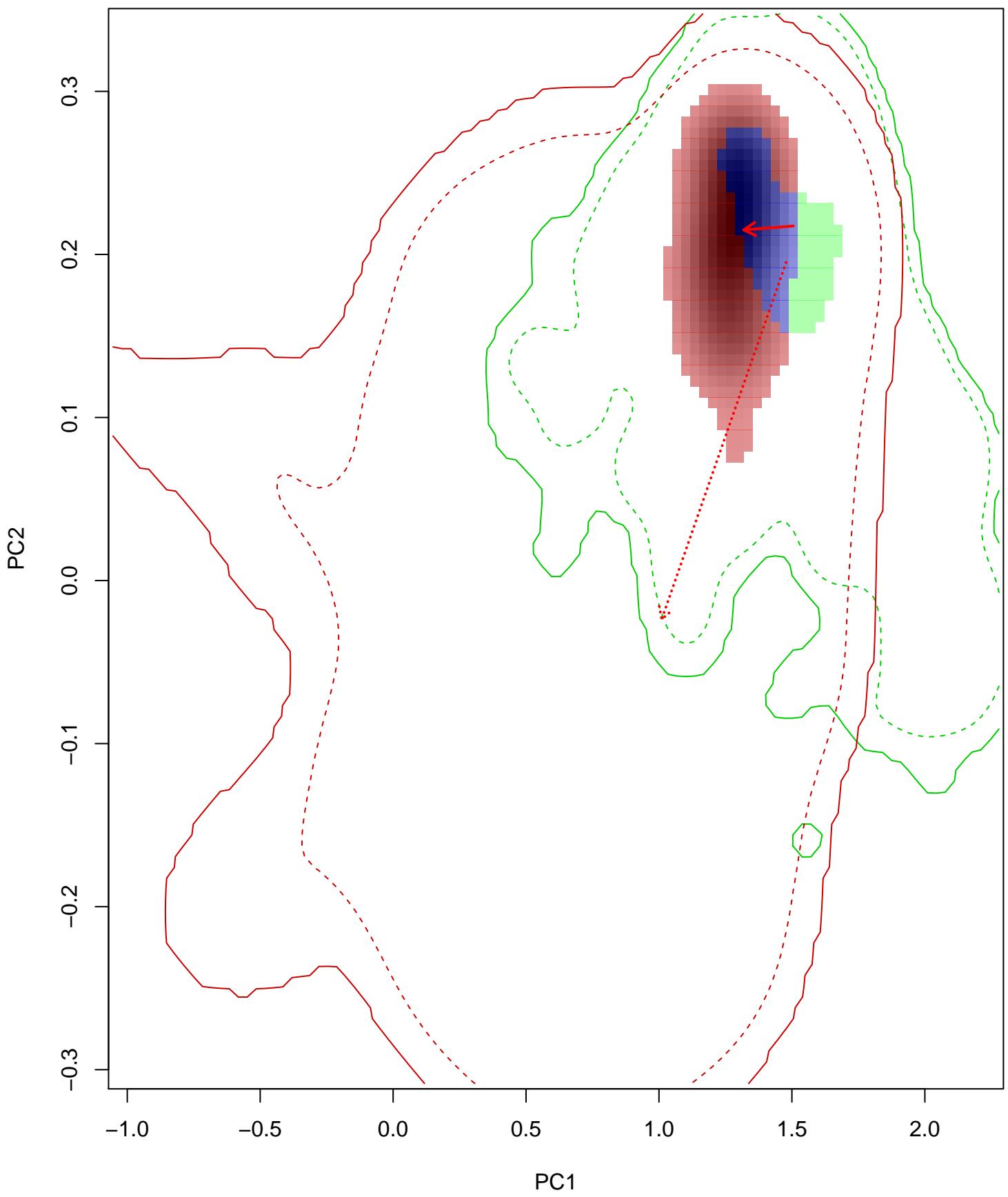
Similarity 2->1



Similarity 1→2

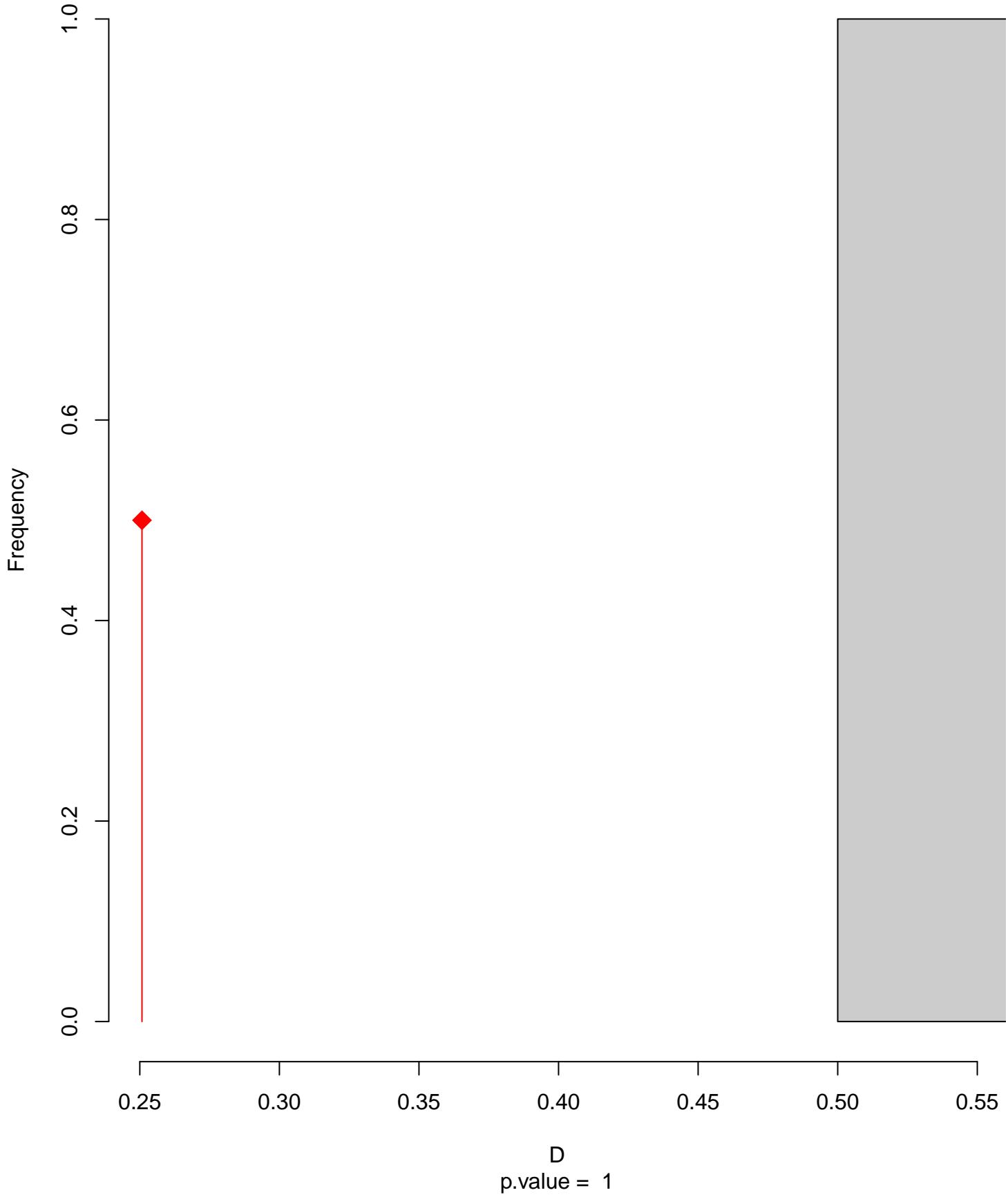


Cecropis_hyerythra seasonal overlap

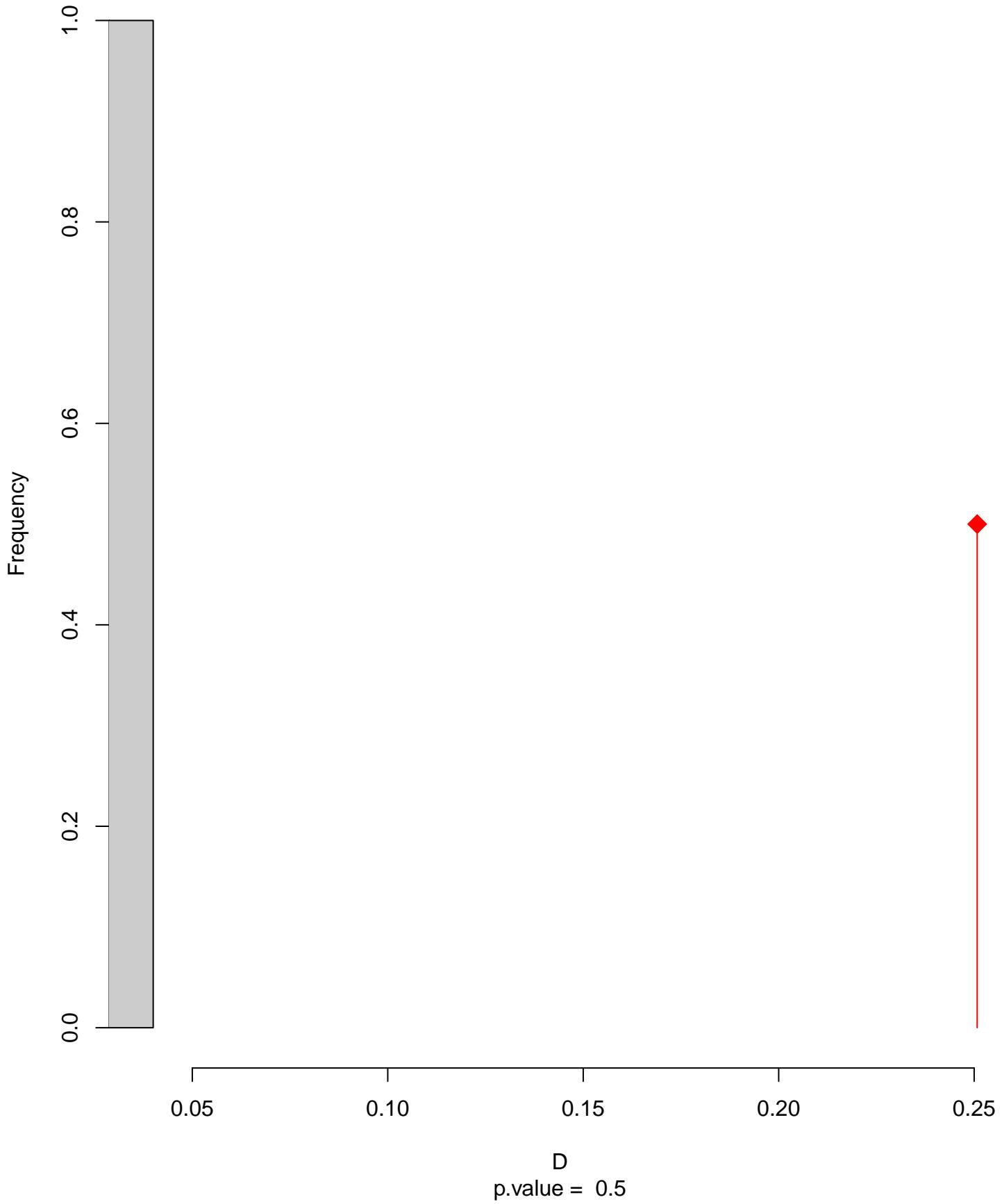


niche overlap:
 $D = 0.251$

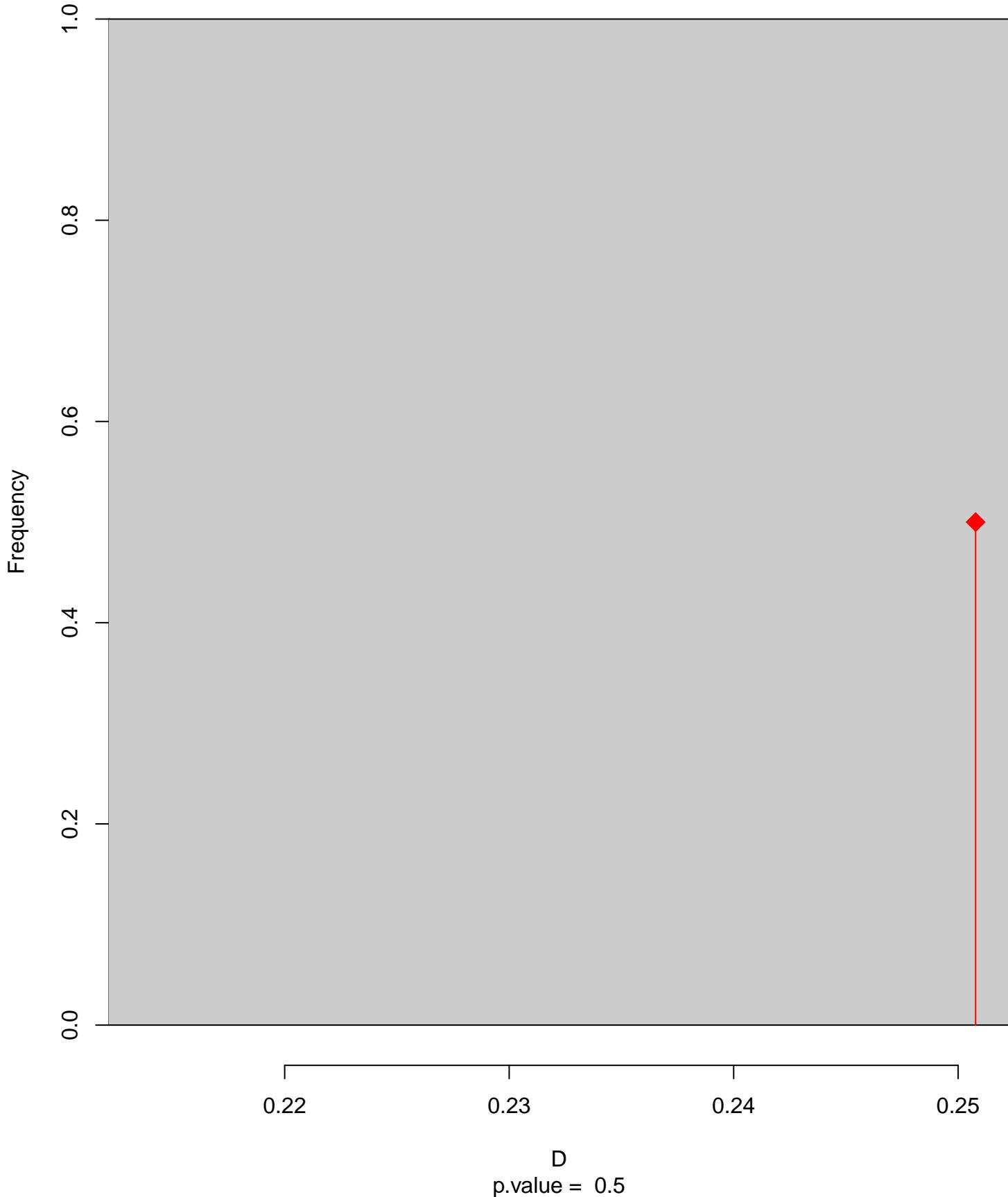
Equivalency



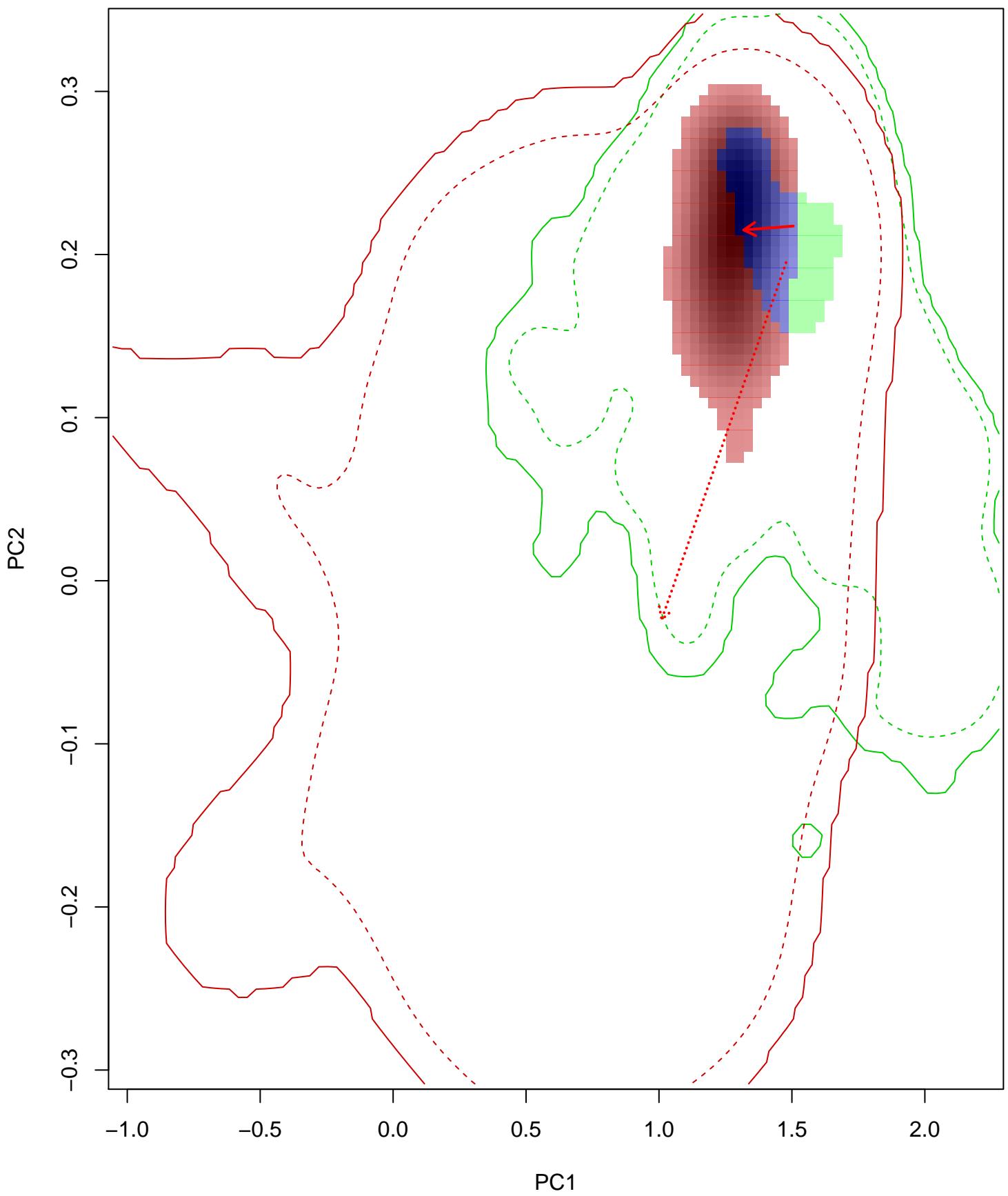
Similarity 2->1



Similarity 1→2

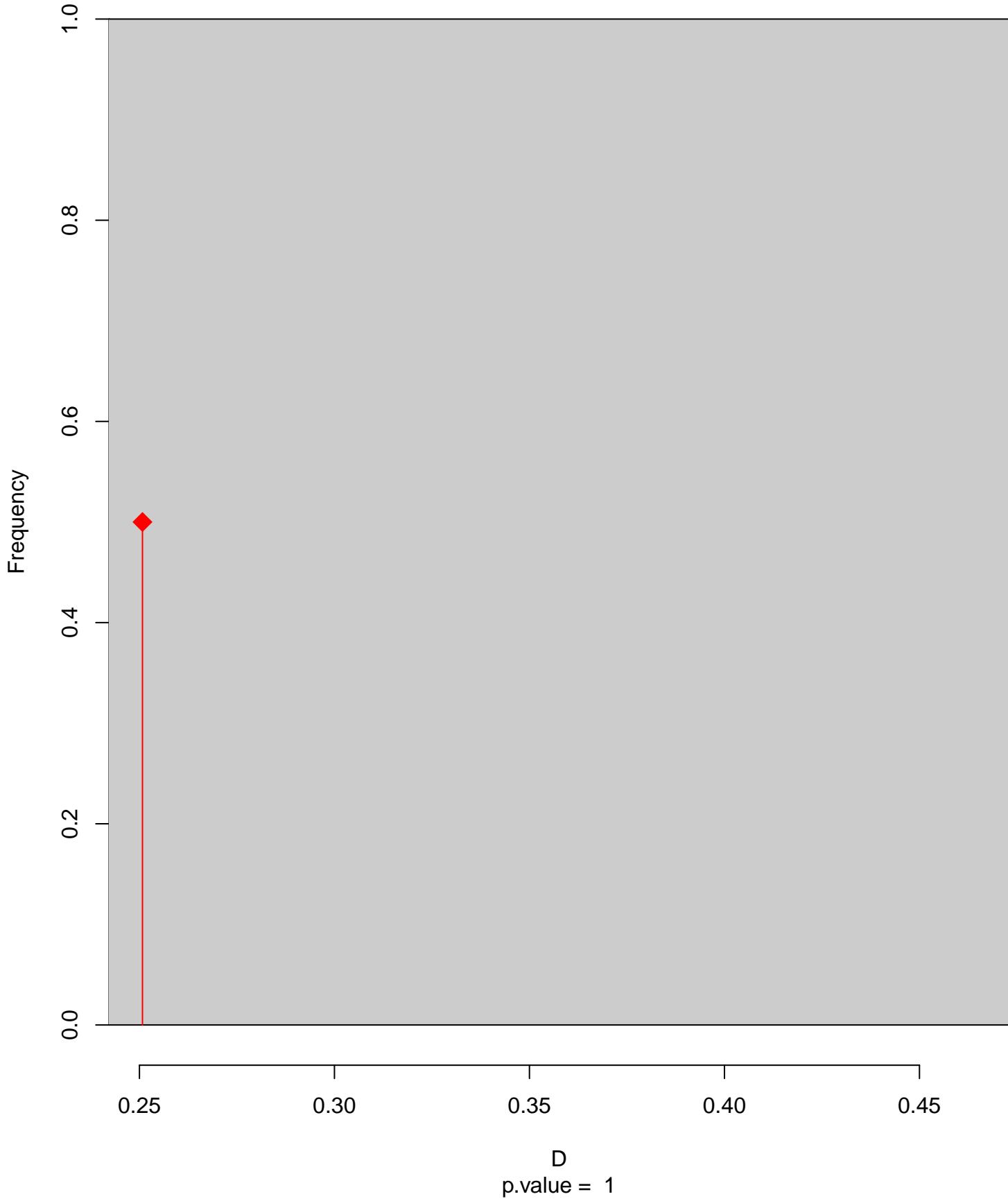


Cecropis_hyerythra seasonal overlap-hypo.br

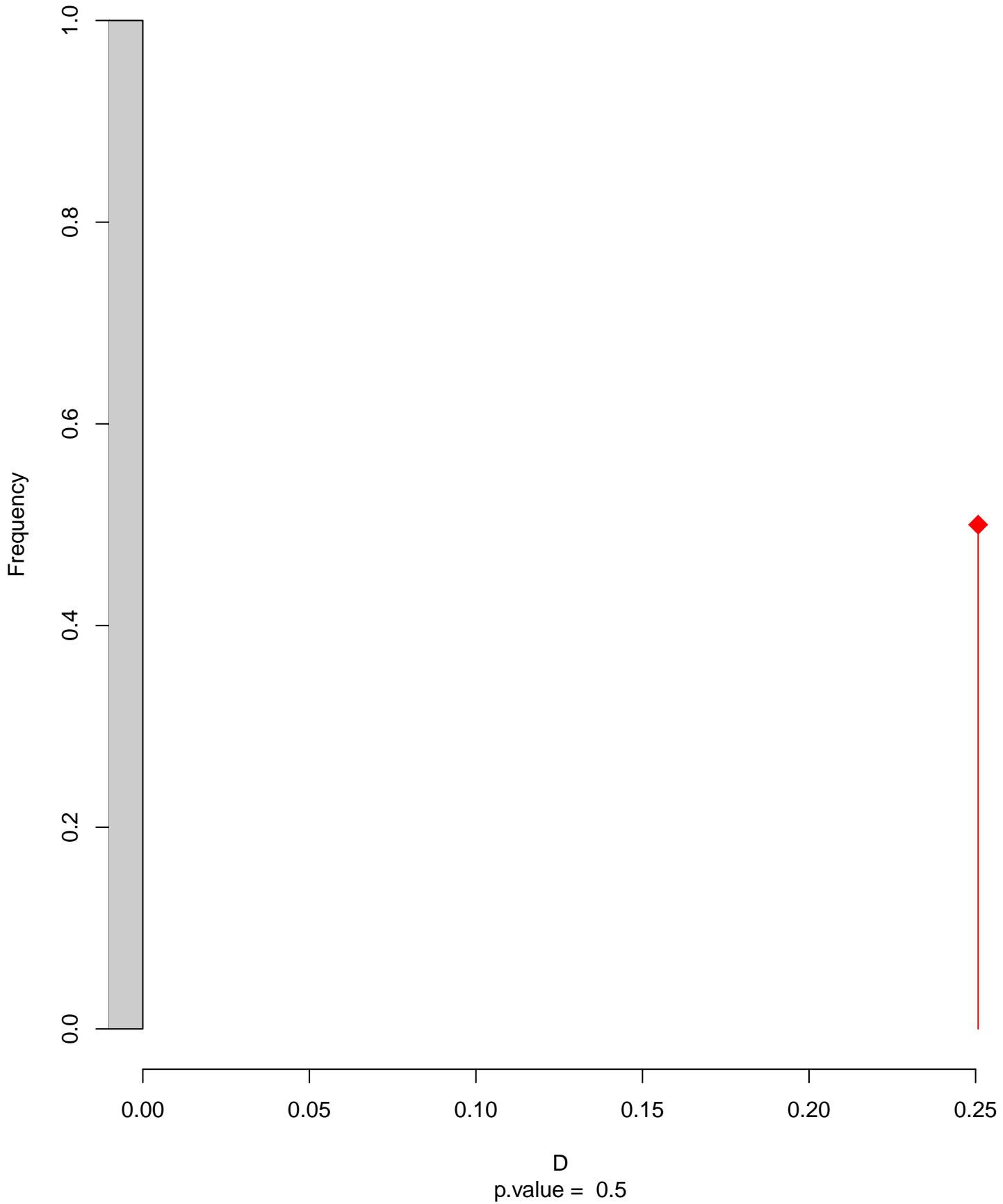


niche overlap:
 $D = 0.251$

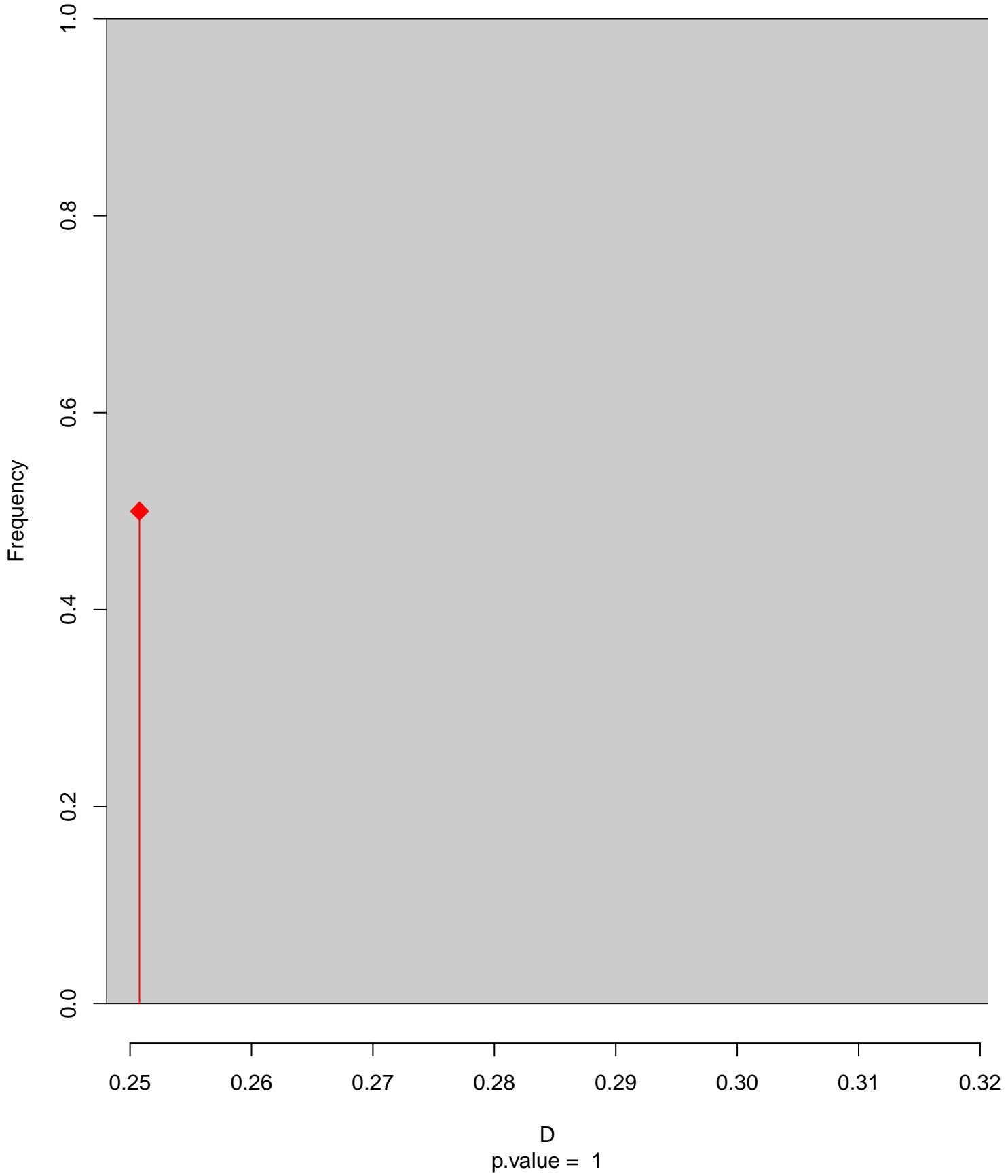
Equivalency



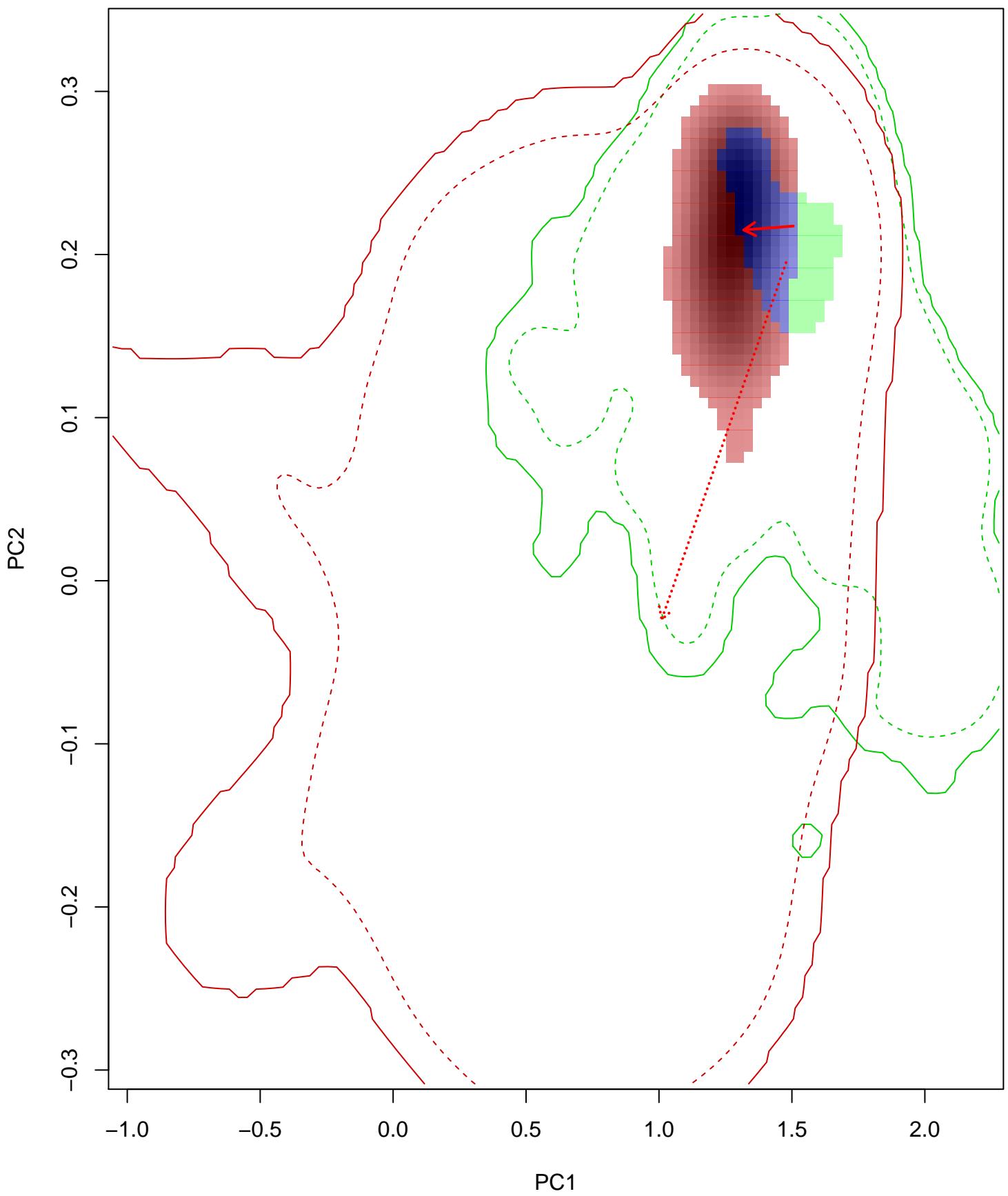
Similarity 2->1



Similarity 1→2

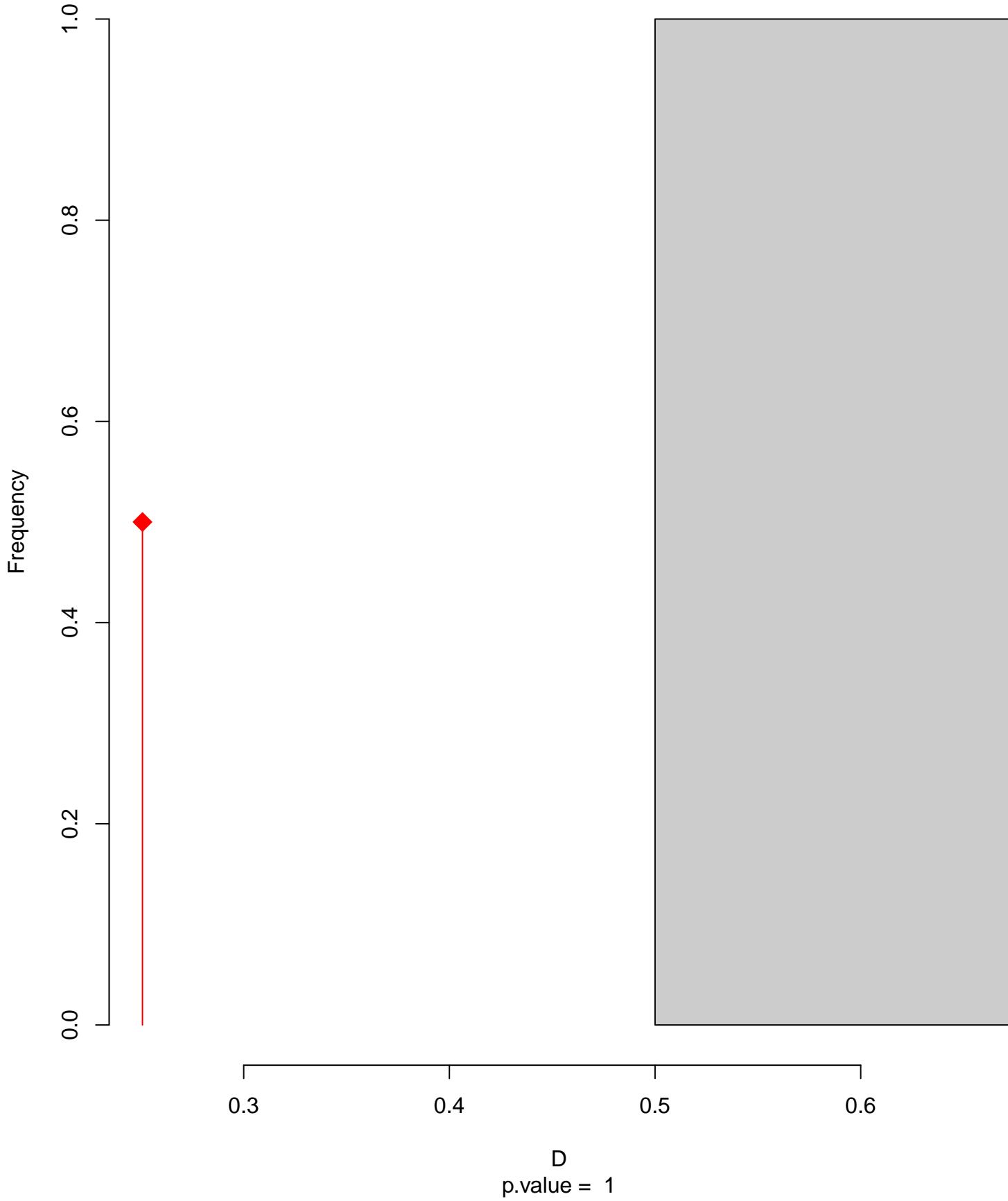


Cecropis_hyerythra seasonal overlap-hypo wi

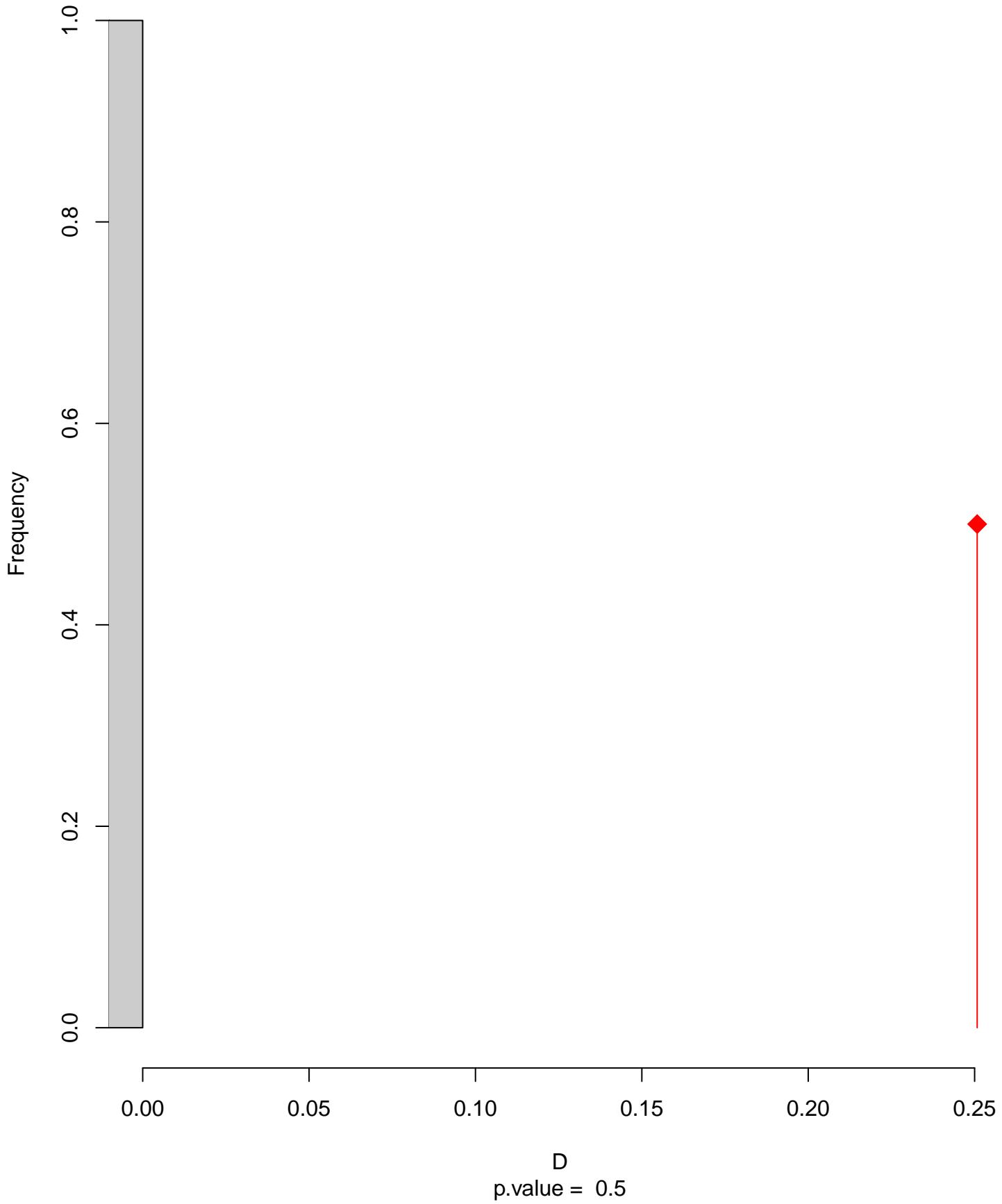


niche overlap:
 $D = 0.251$

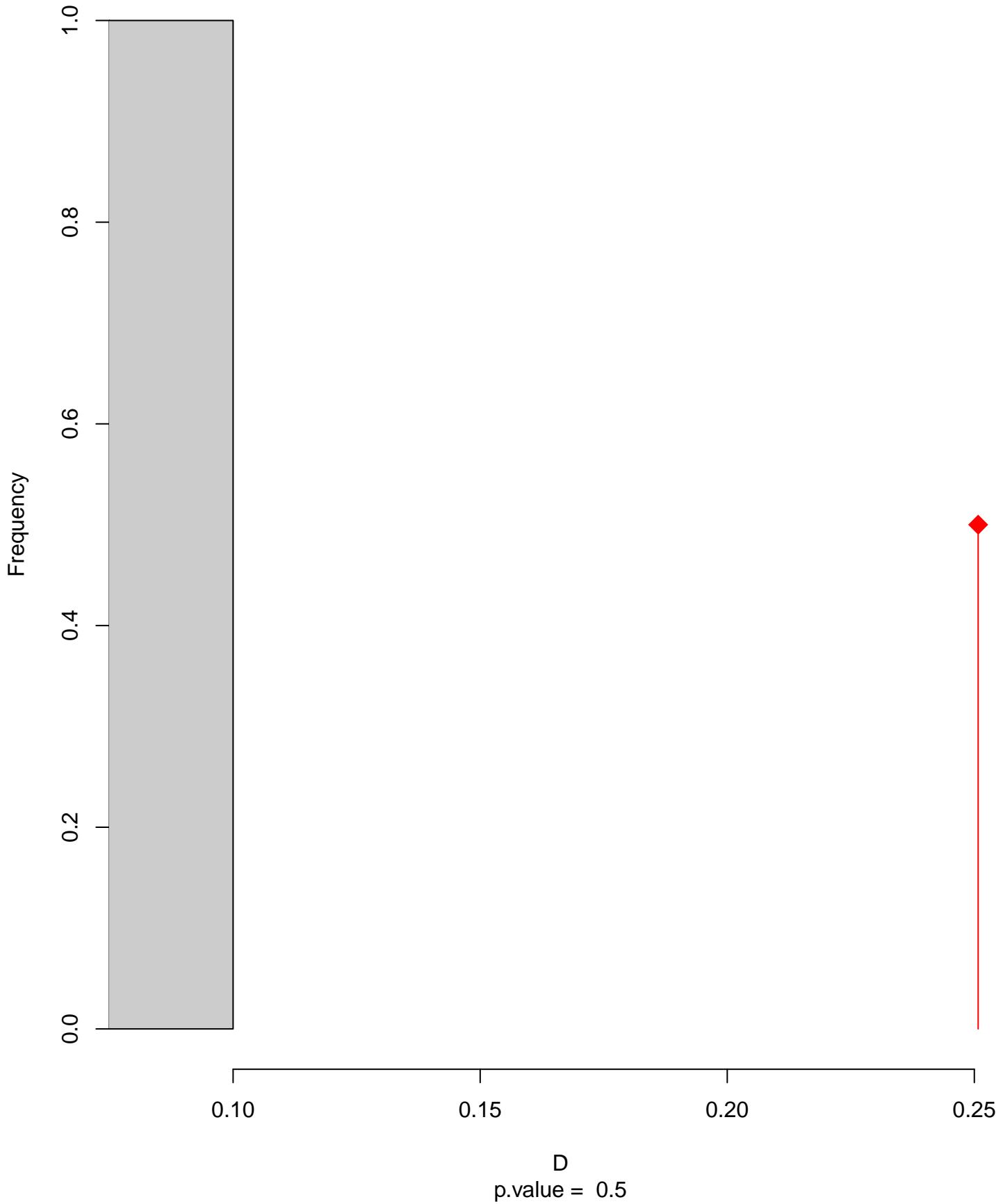
Equivalency



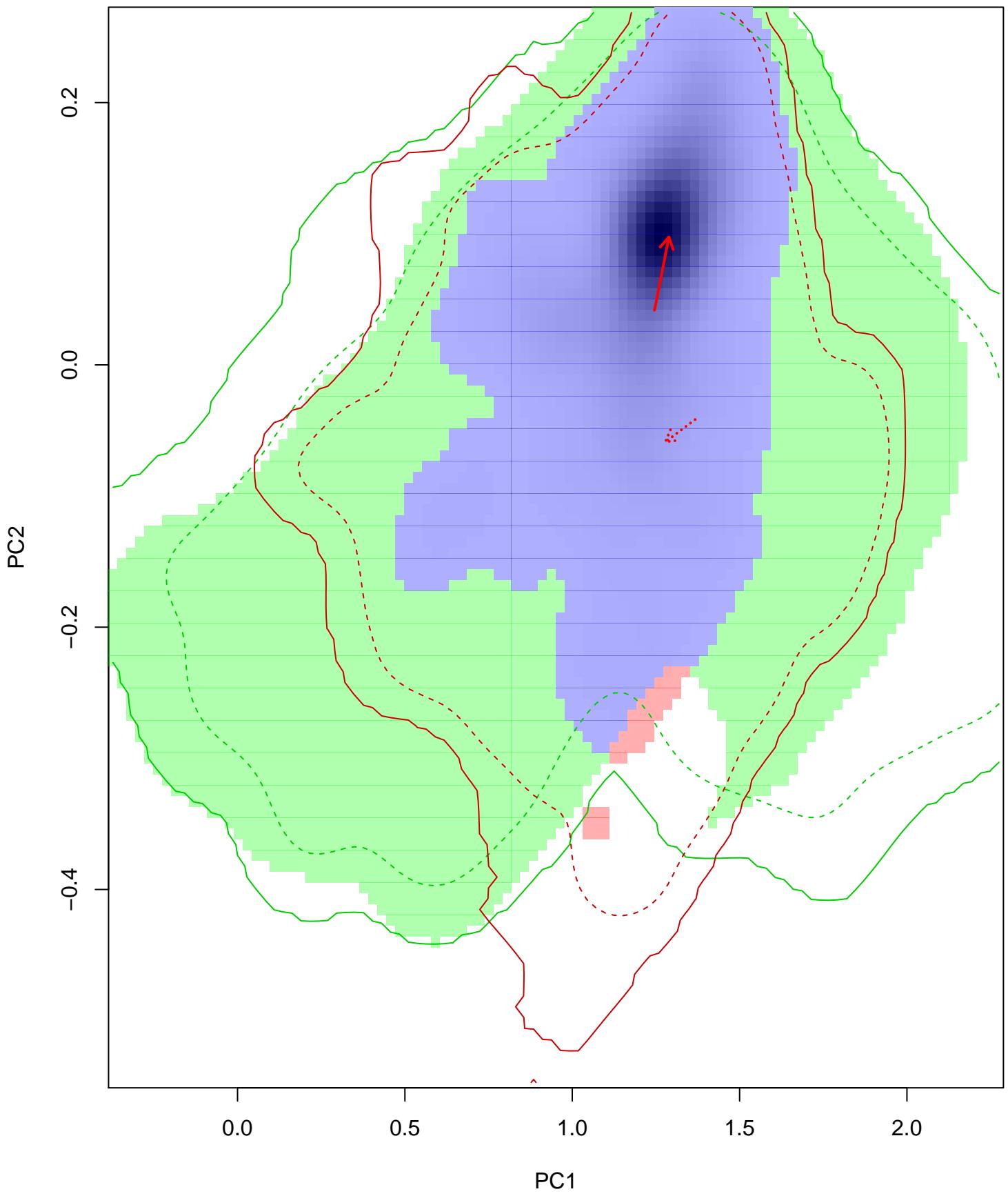
Similarity 2->1



Similarity 1→2

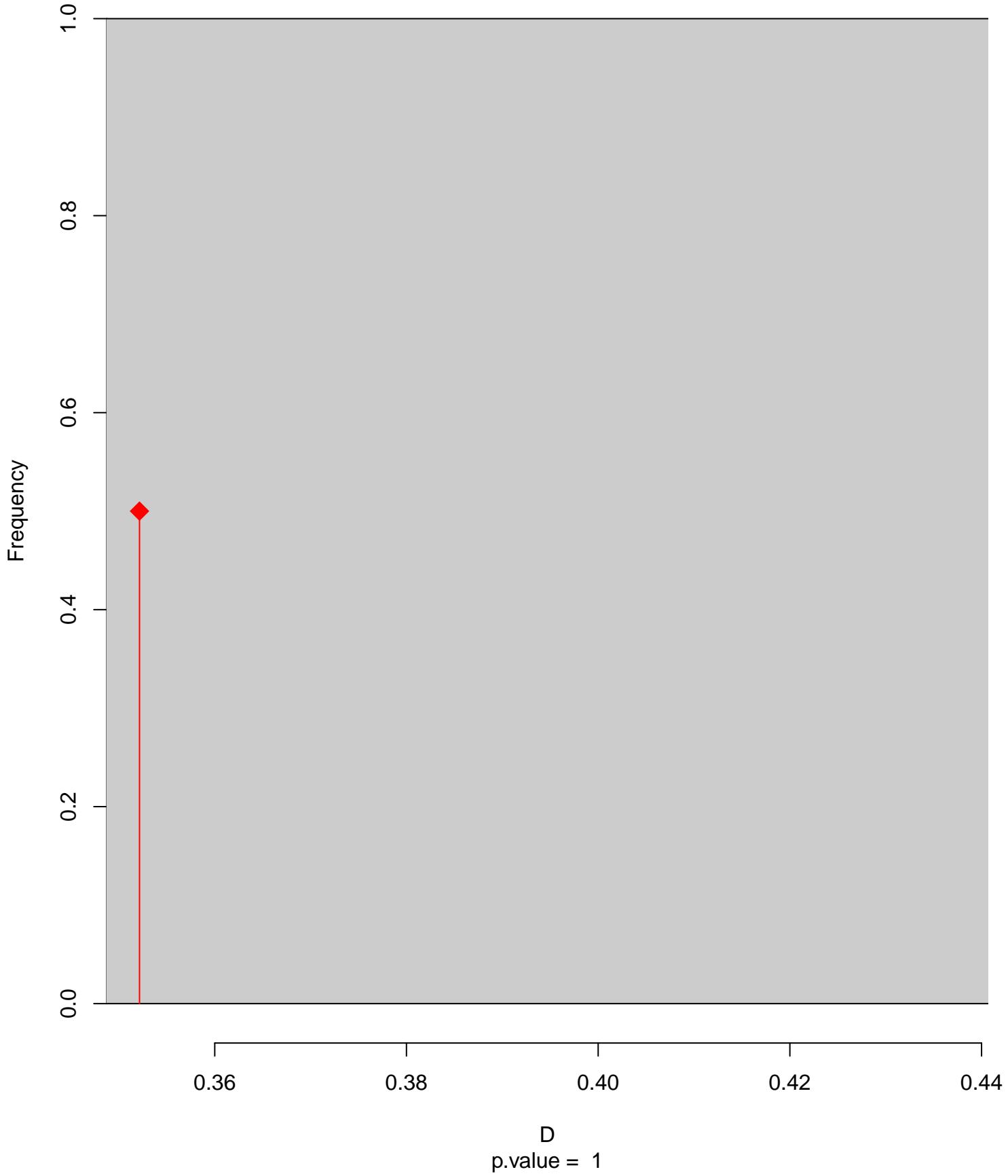


Cecropis_semirufa seasonal overlap

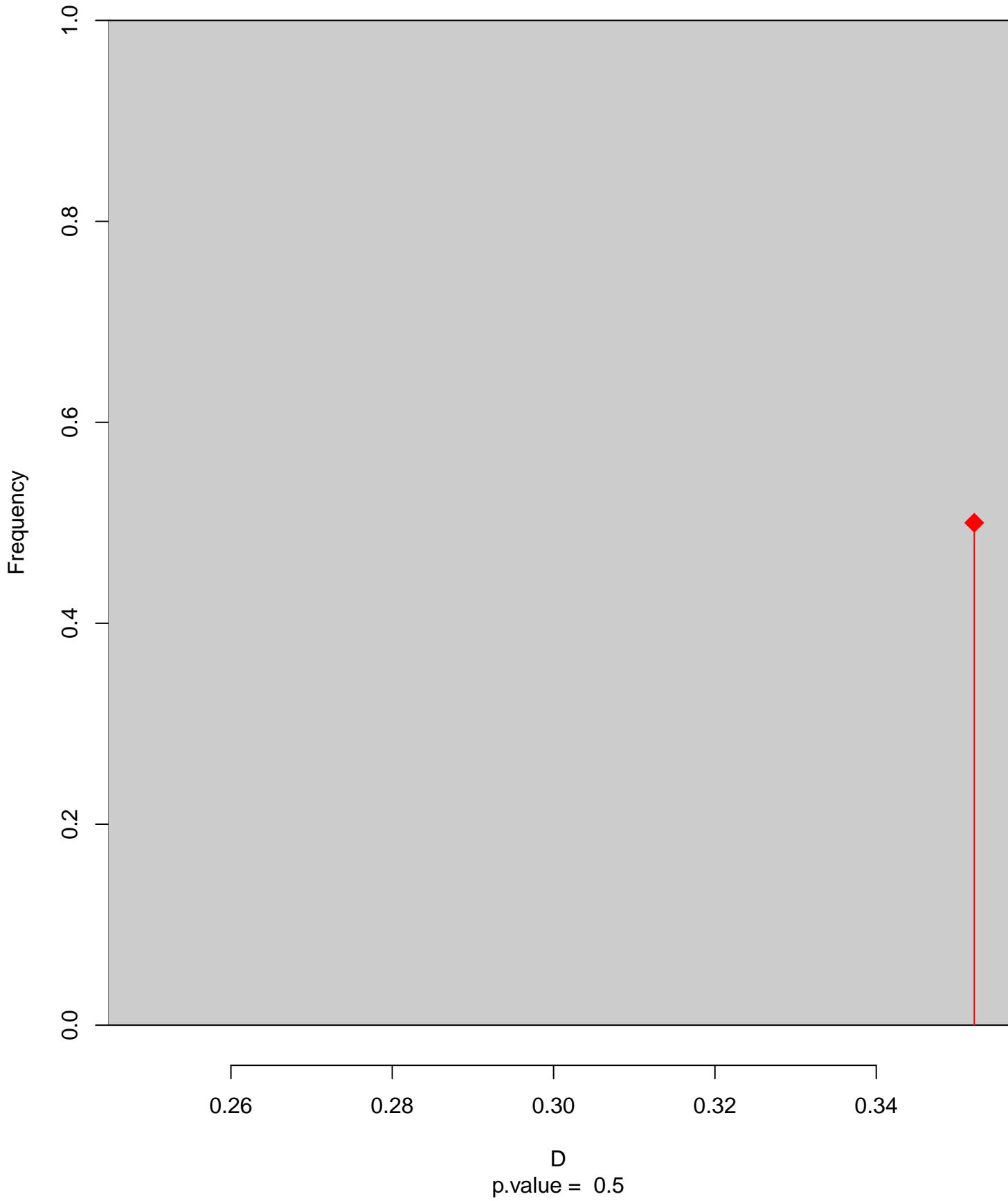


niche overlap:
 $D = 0.352$

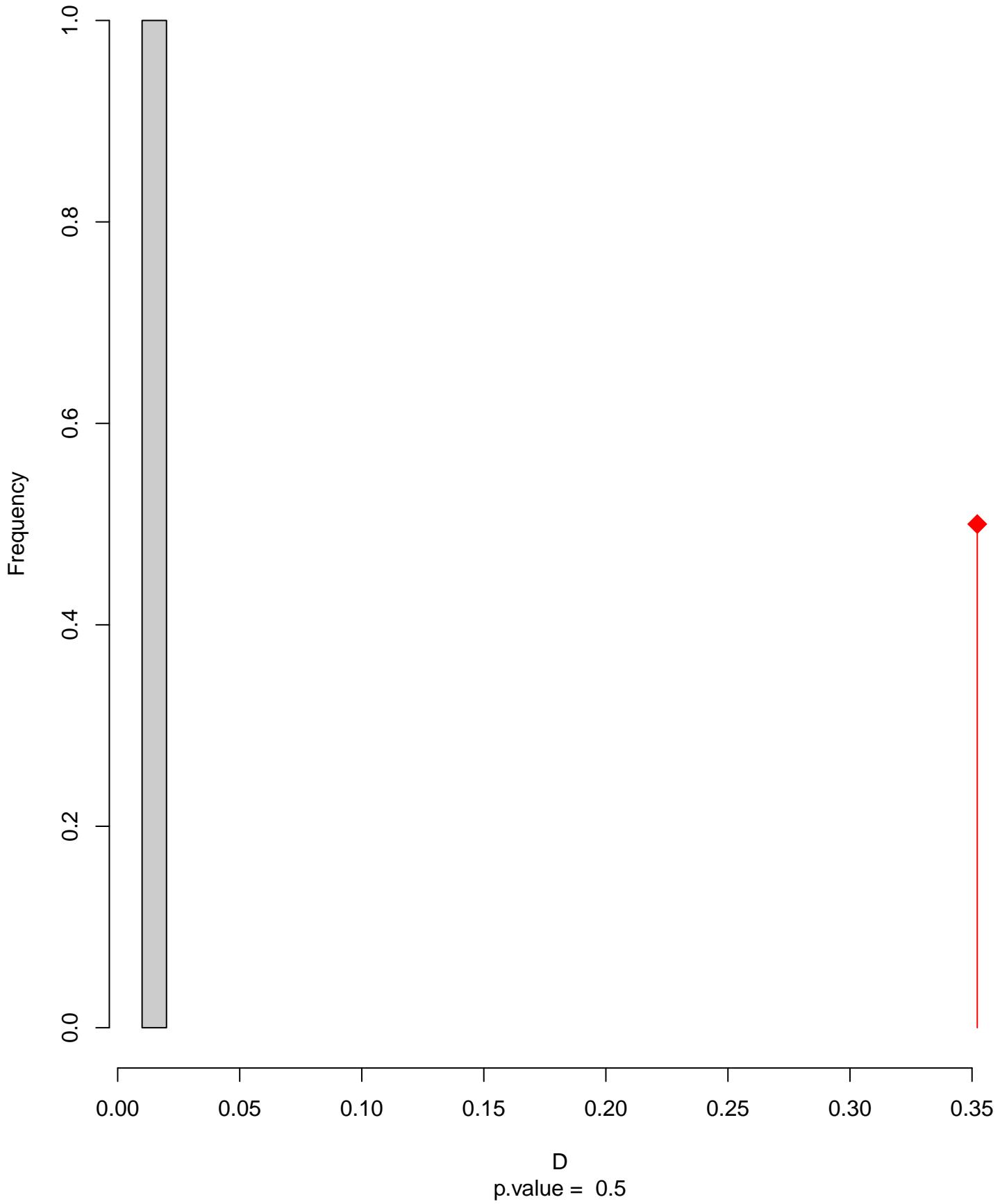
Equivalency



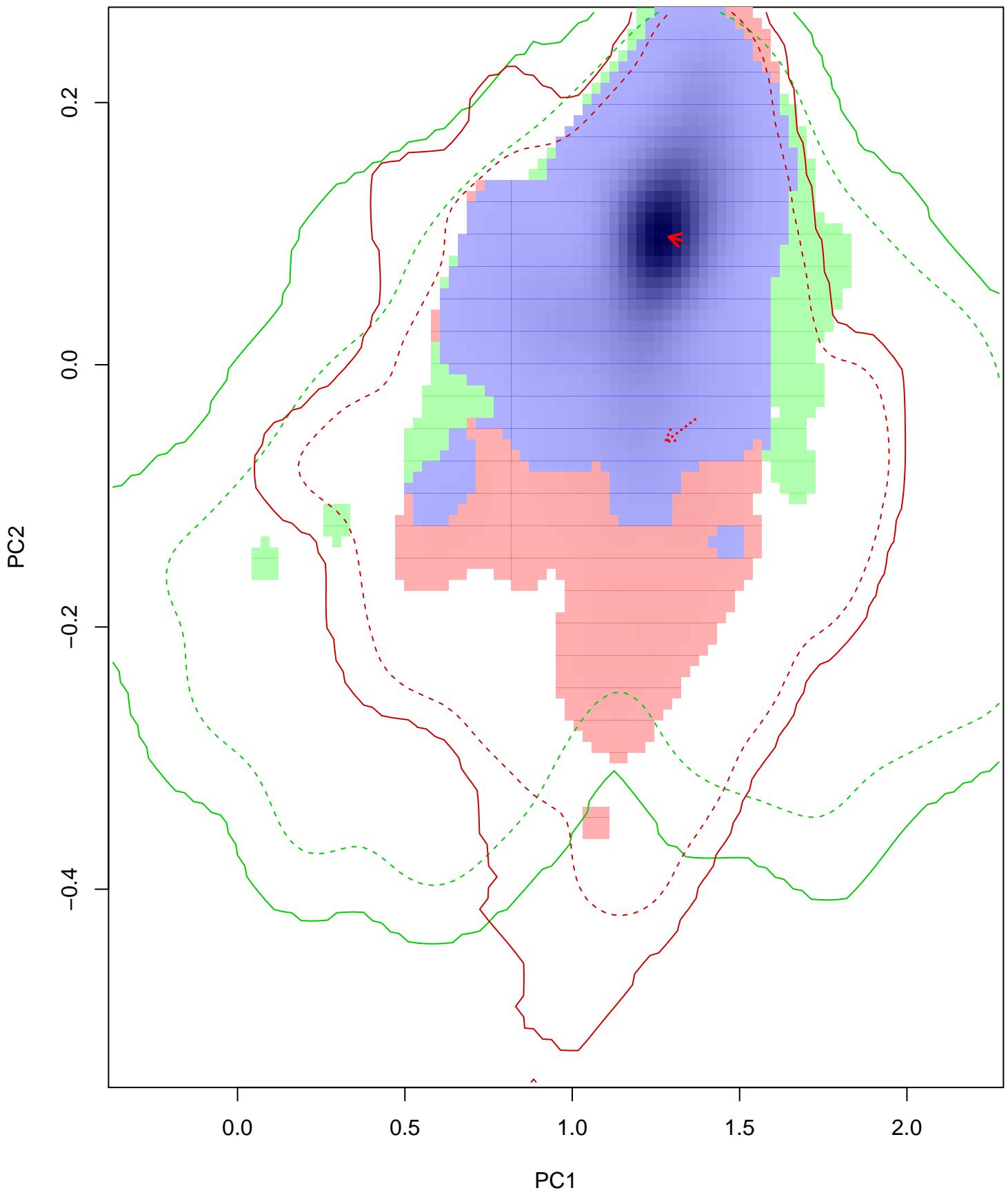
Similarity 2->1



Similarity 1→2

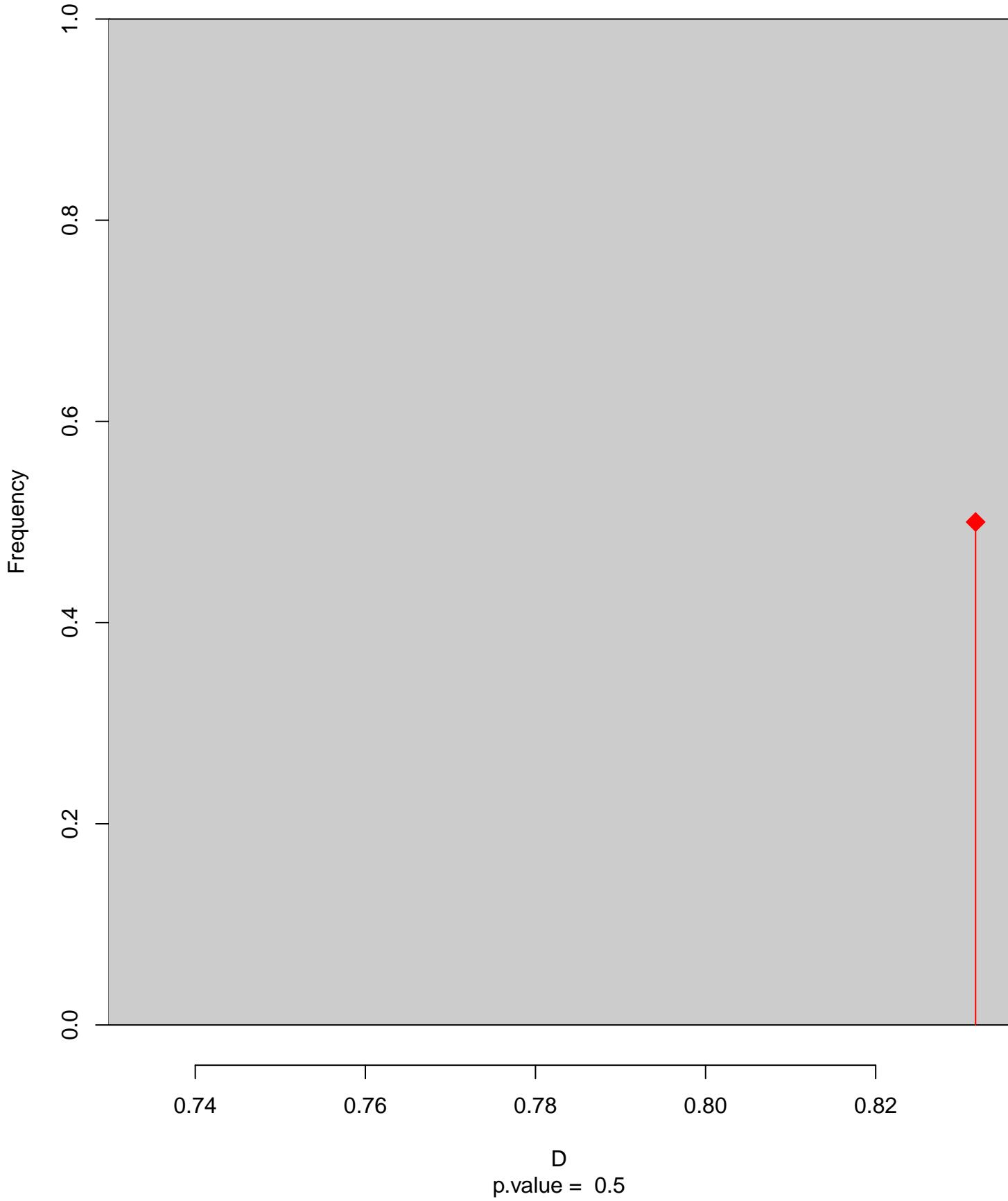


Cecropis_semirufa seasonal overlap–hypo.br

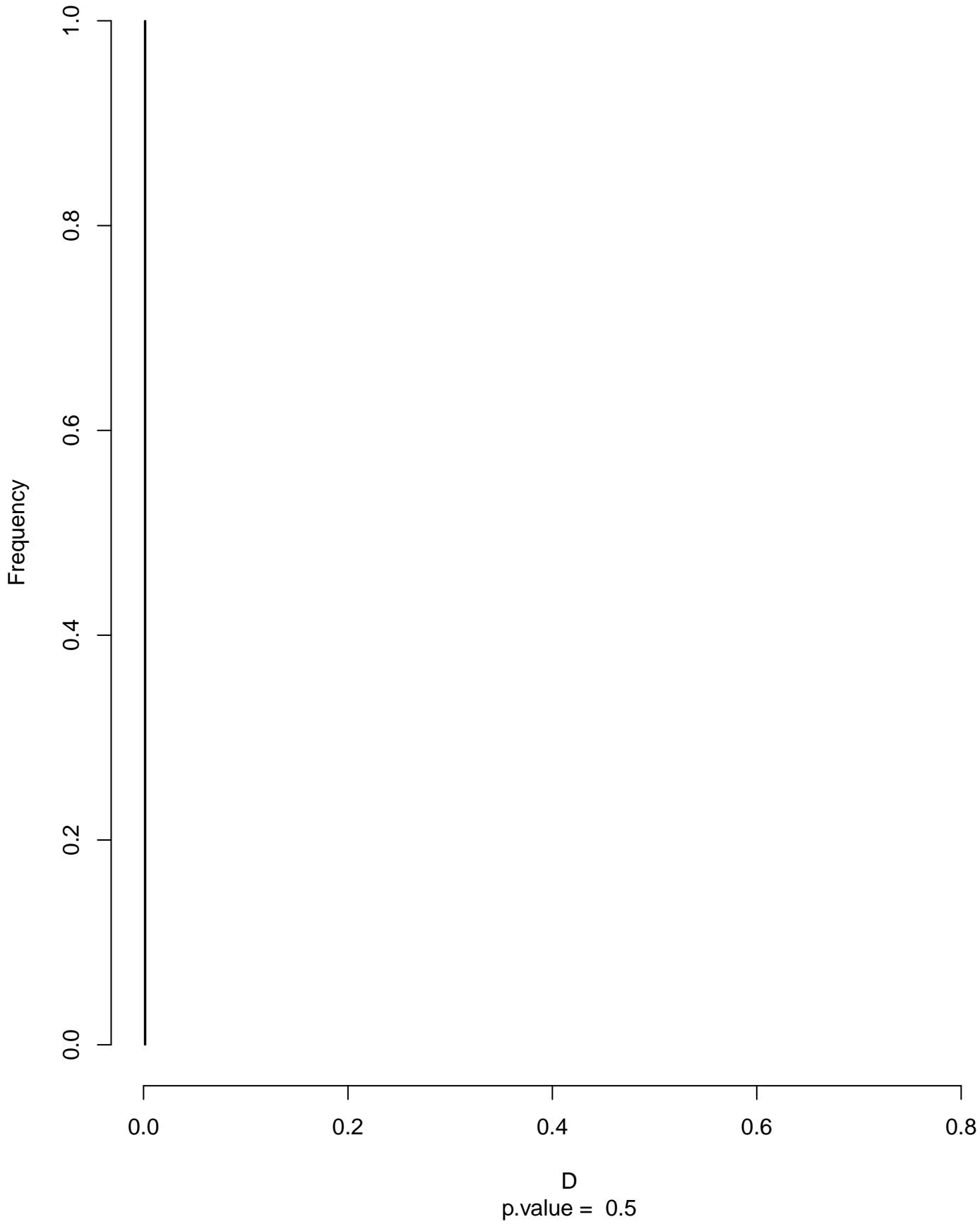


niche overlap:
 $D = 0.832$

Equivalency

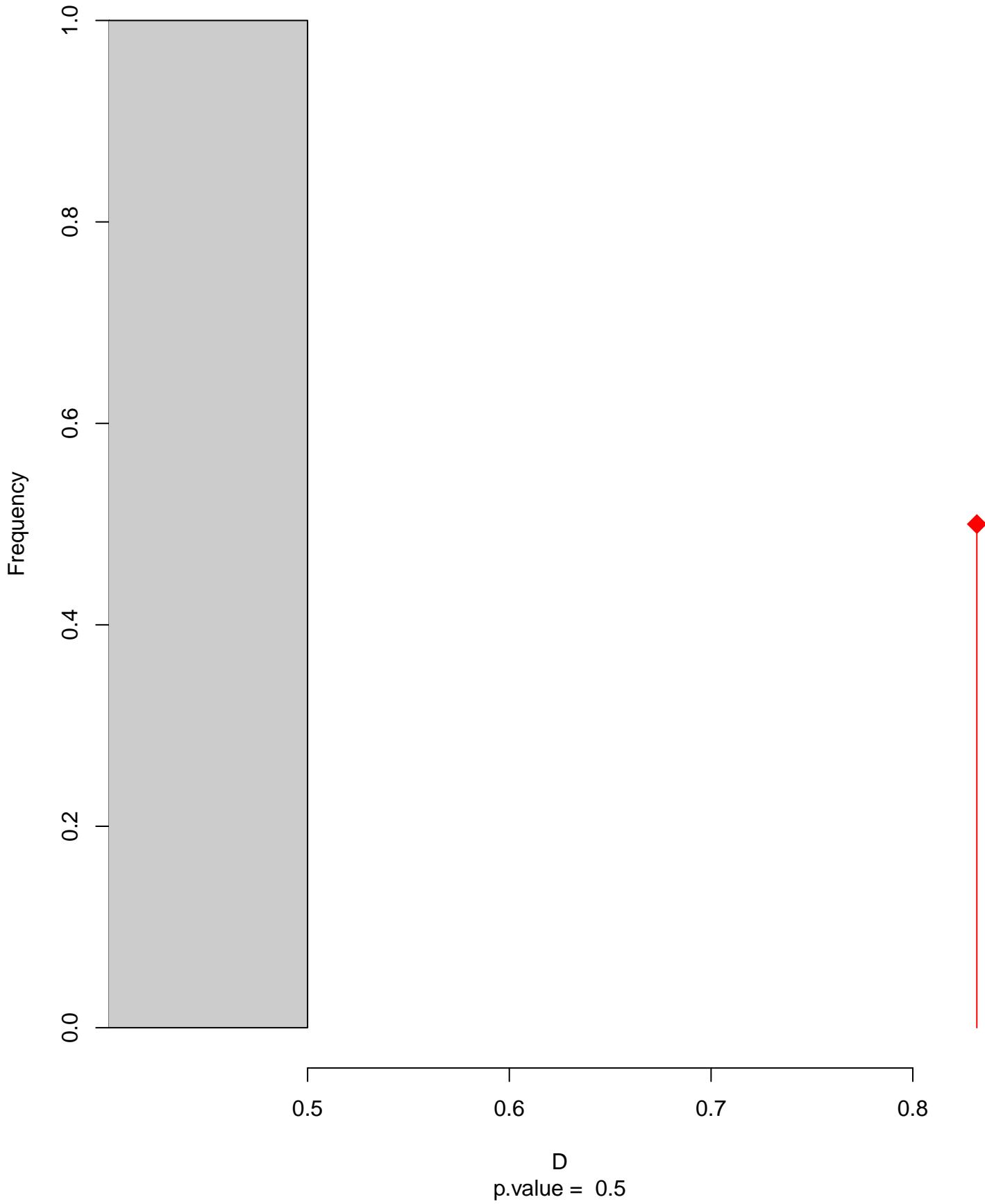


Similarity 2->1

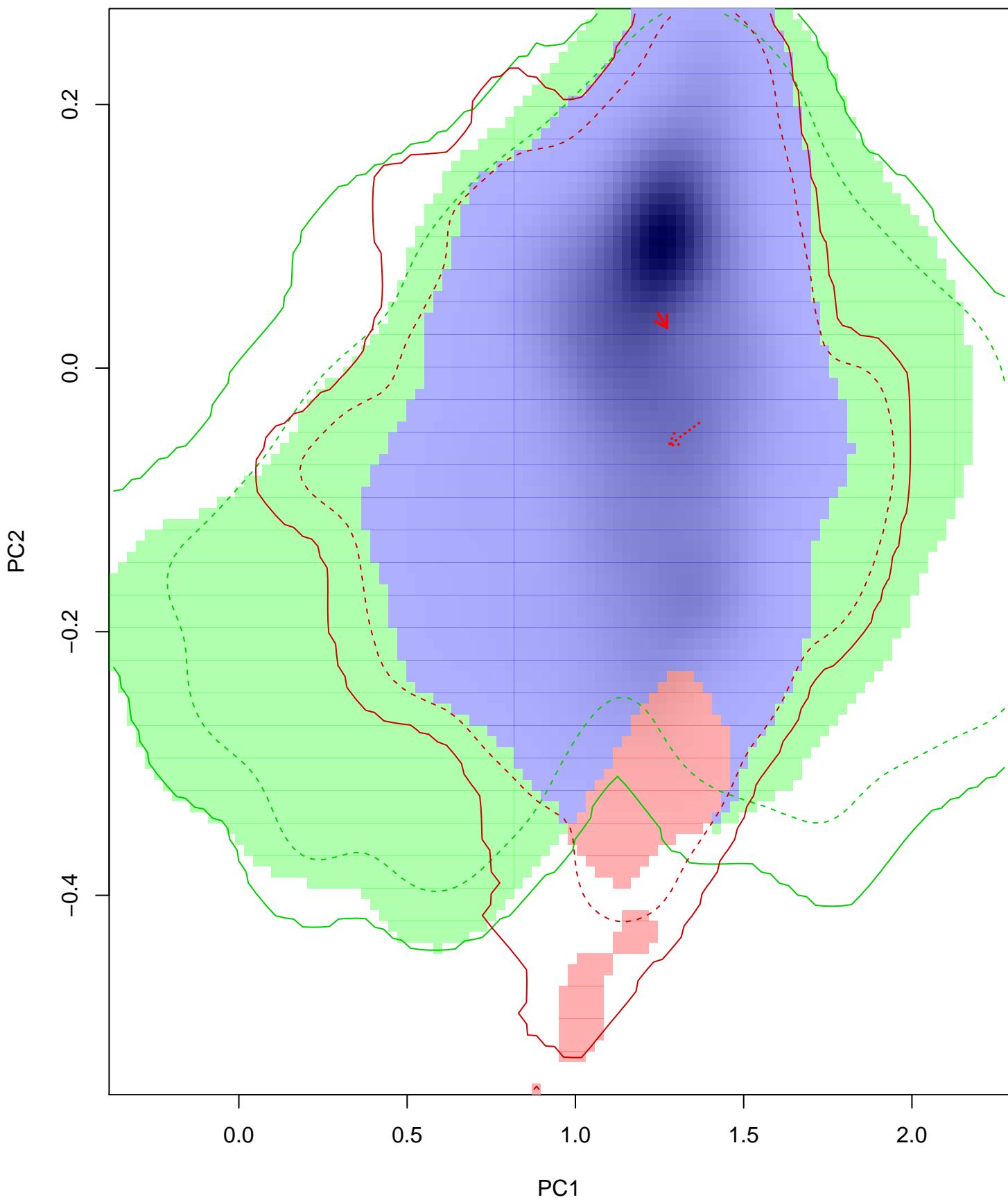


$p.value = 0.5$

Similarity 1→2

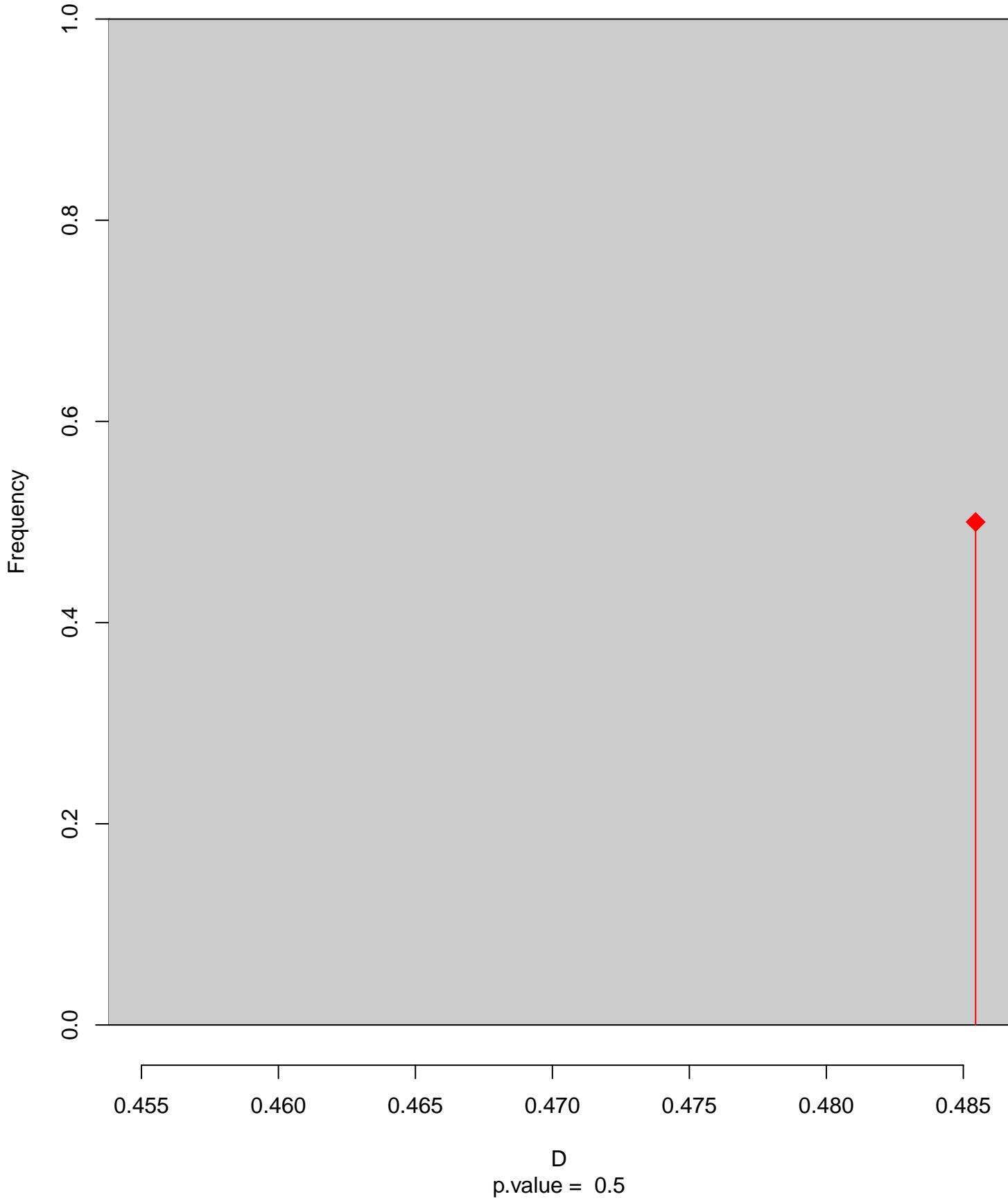


Cecropis_semirufa seasonal overlap-hypo wi

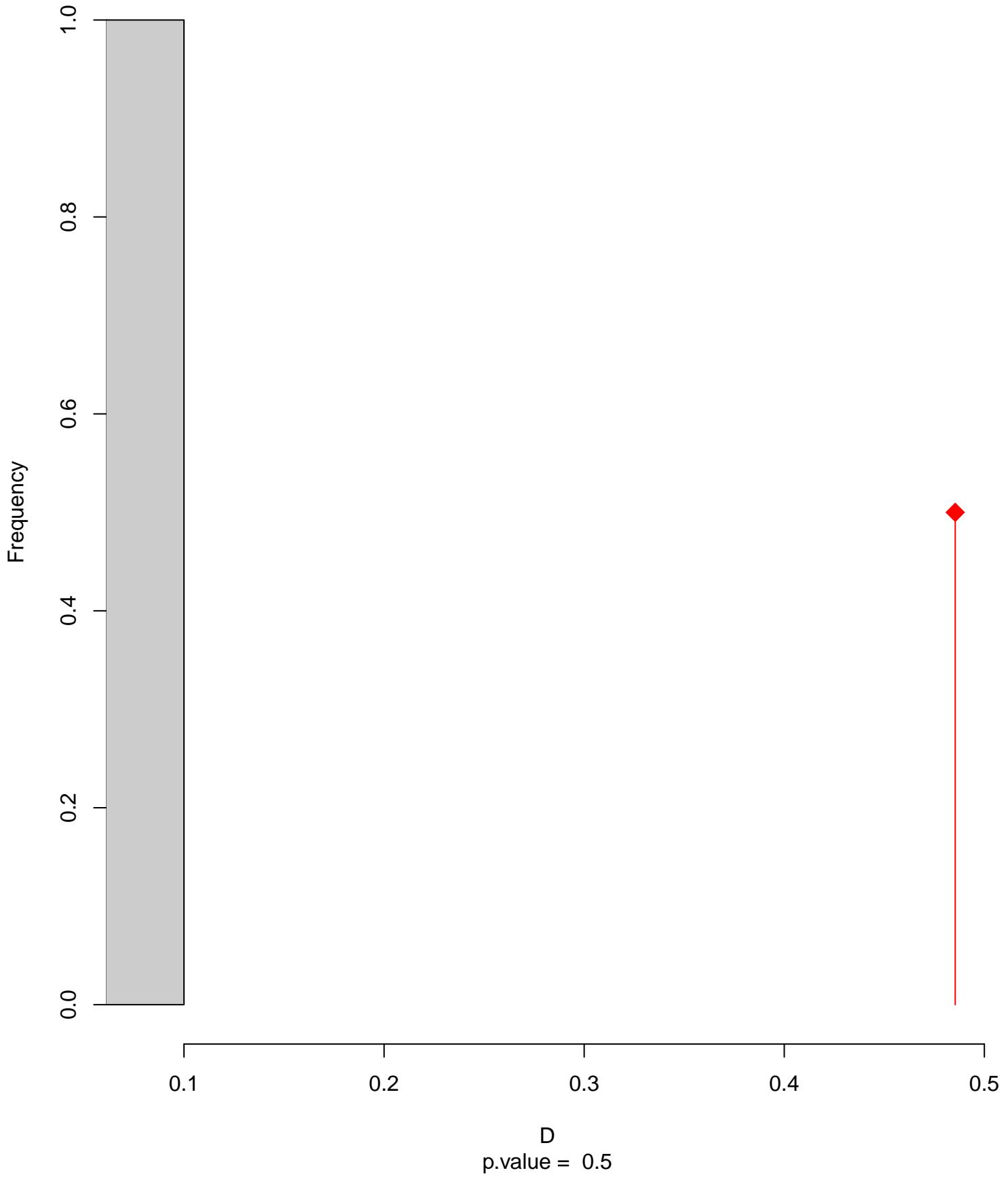


niche overlap:
 $D = 0.485$

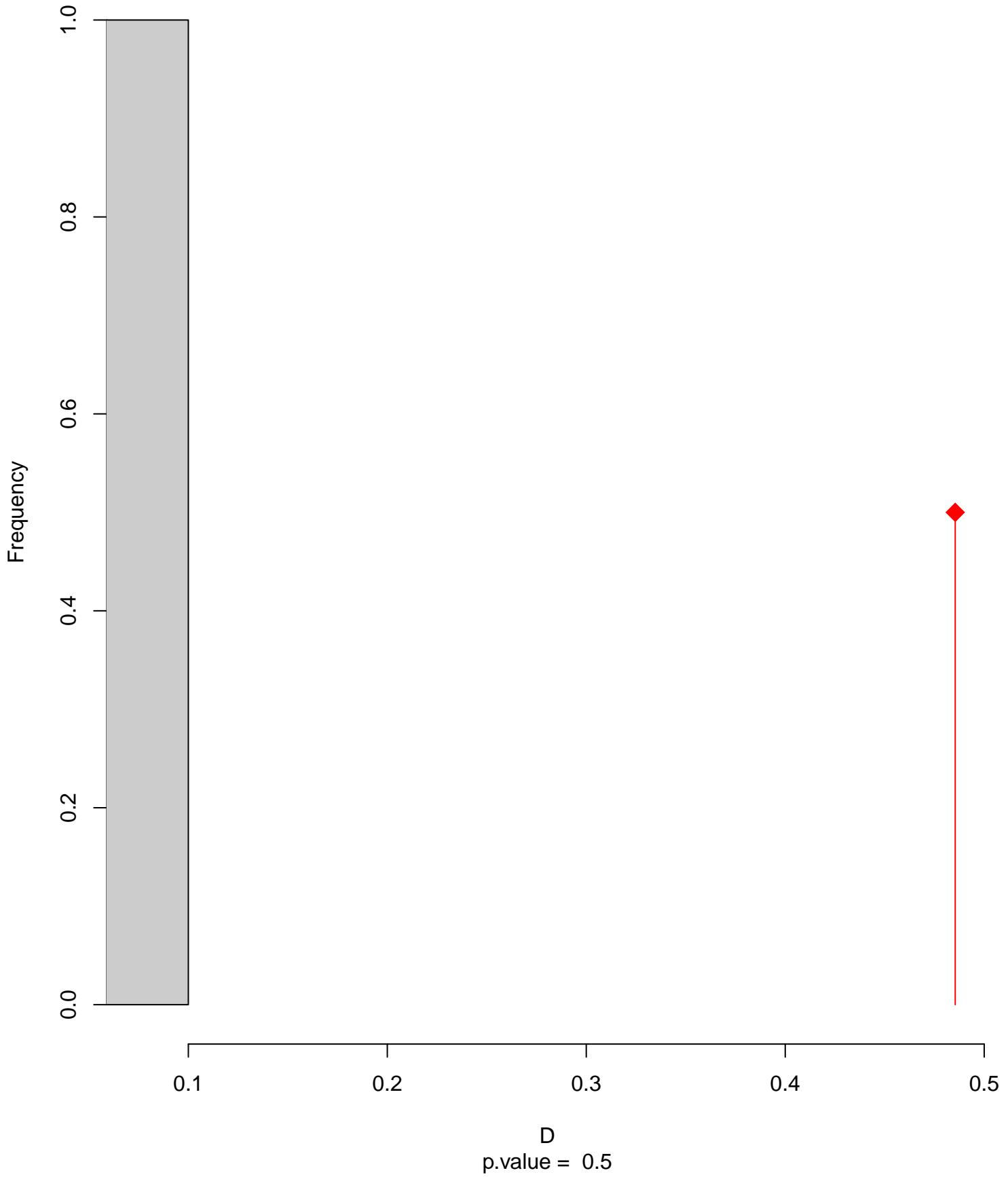
Equivalency



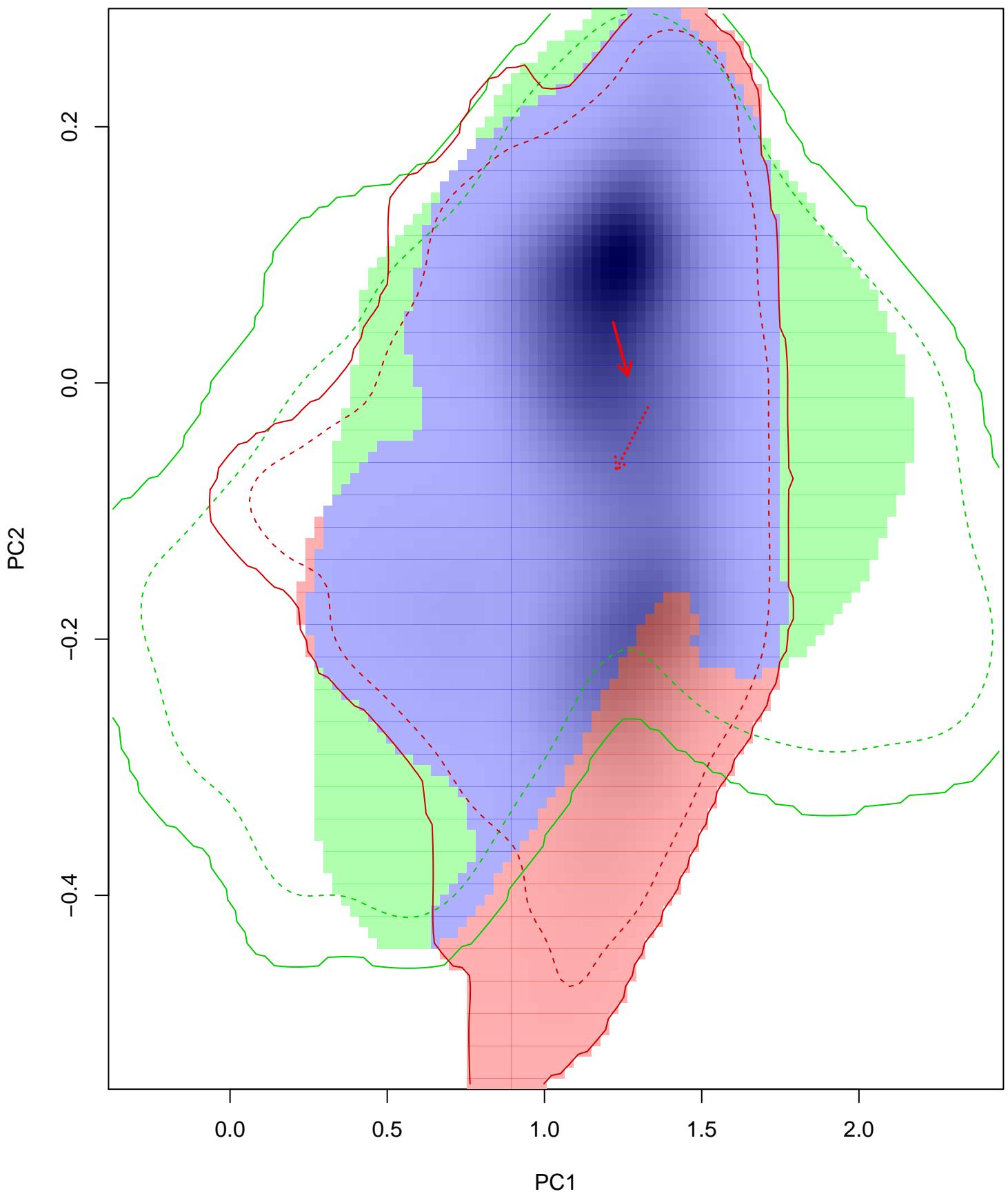
Similarity 2->1



Similarity 1→2

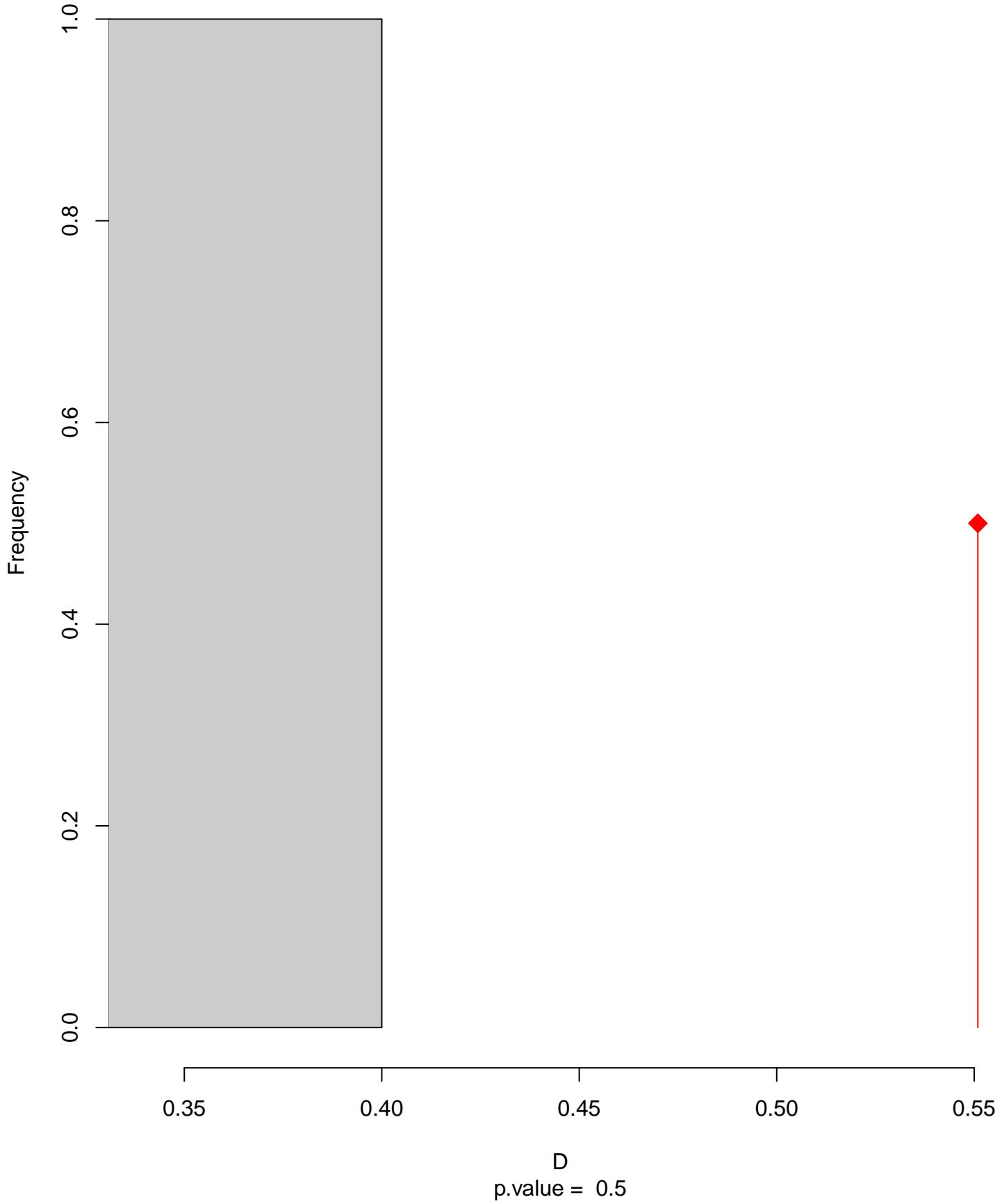


Cecropis senegalensis seasonal overlap

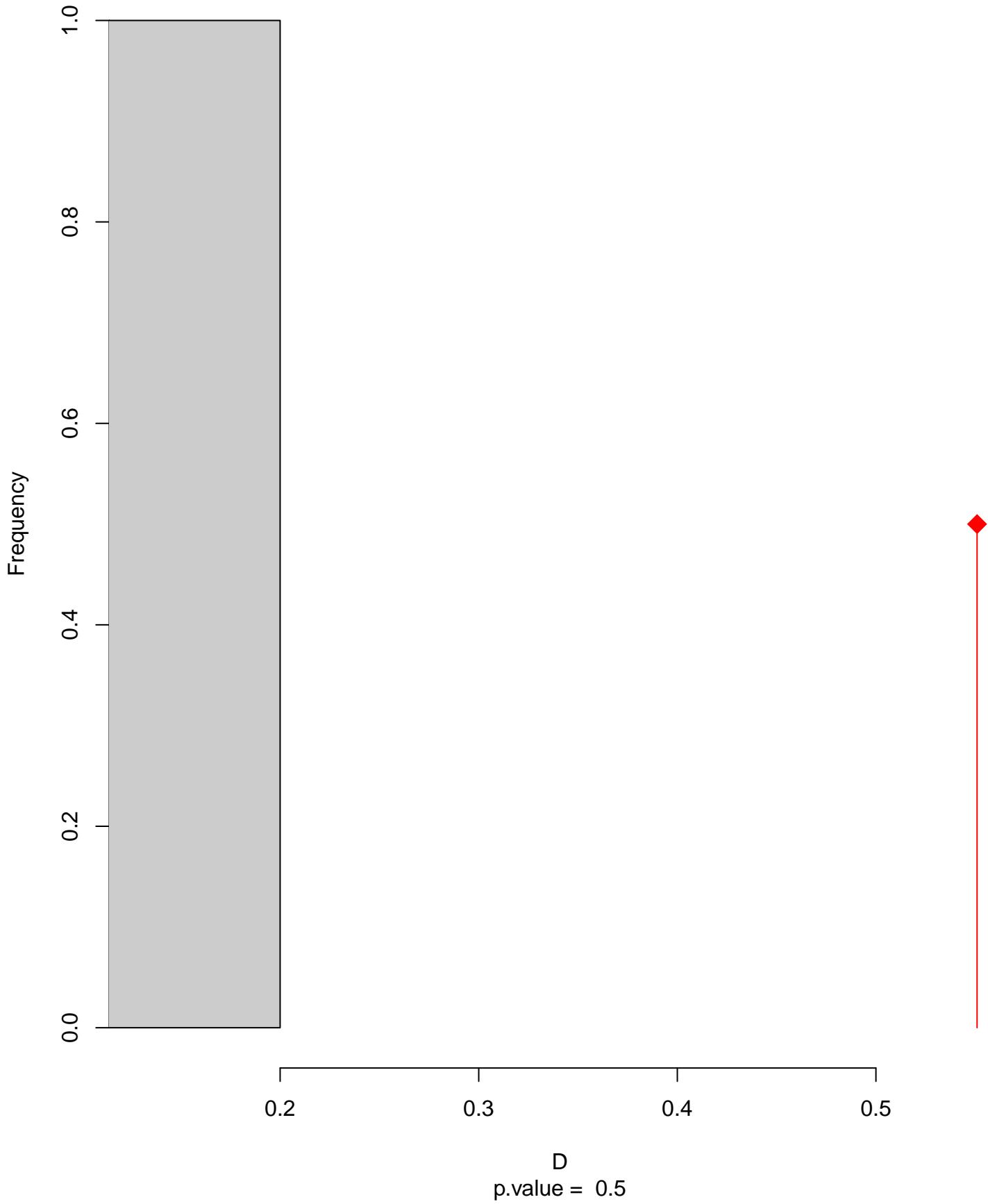


niche overlap:
 $D = 0.551$

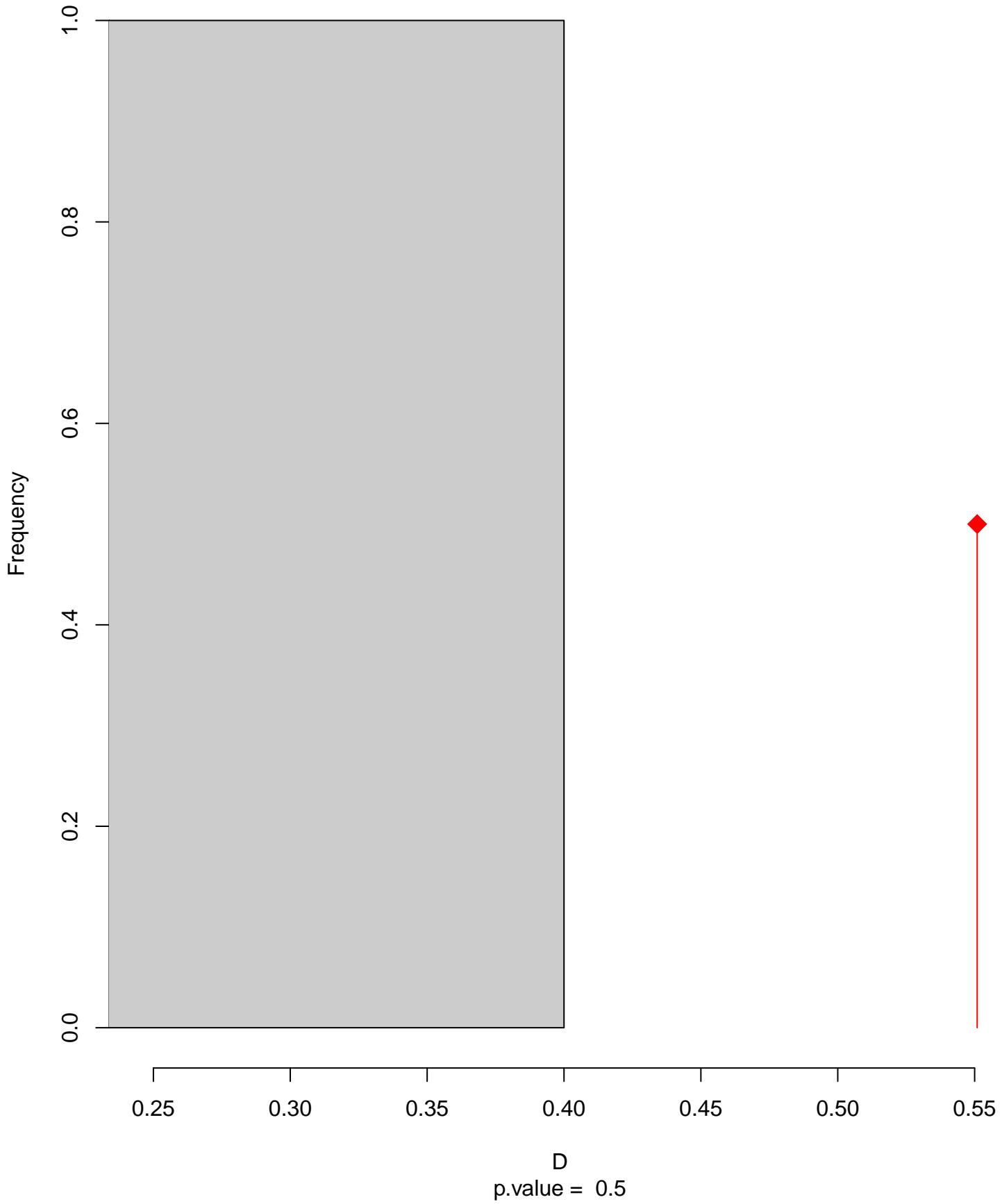
Equivalency



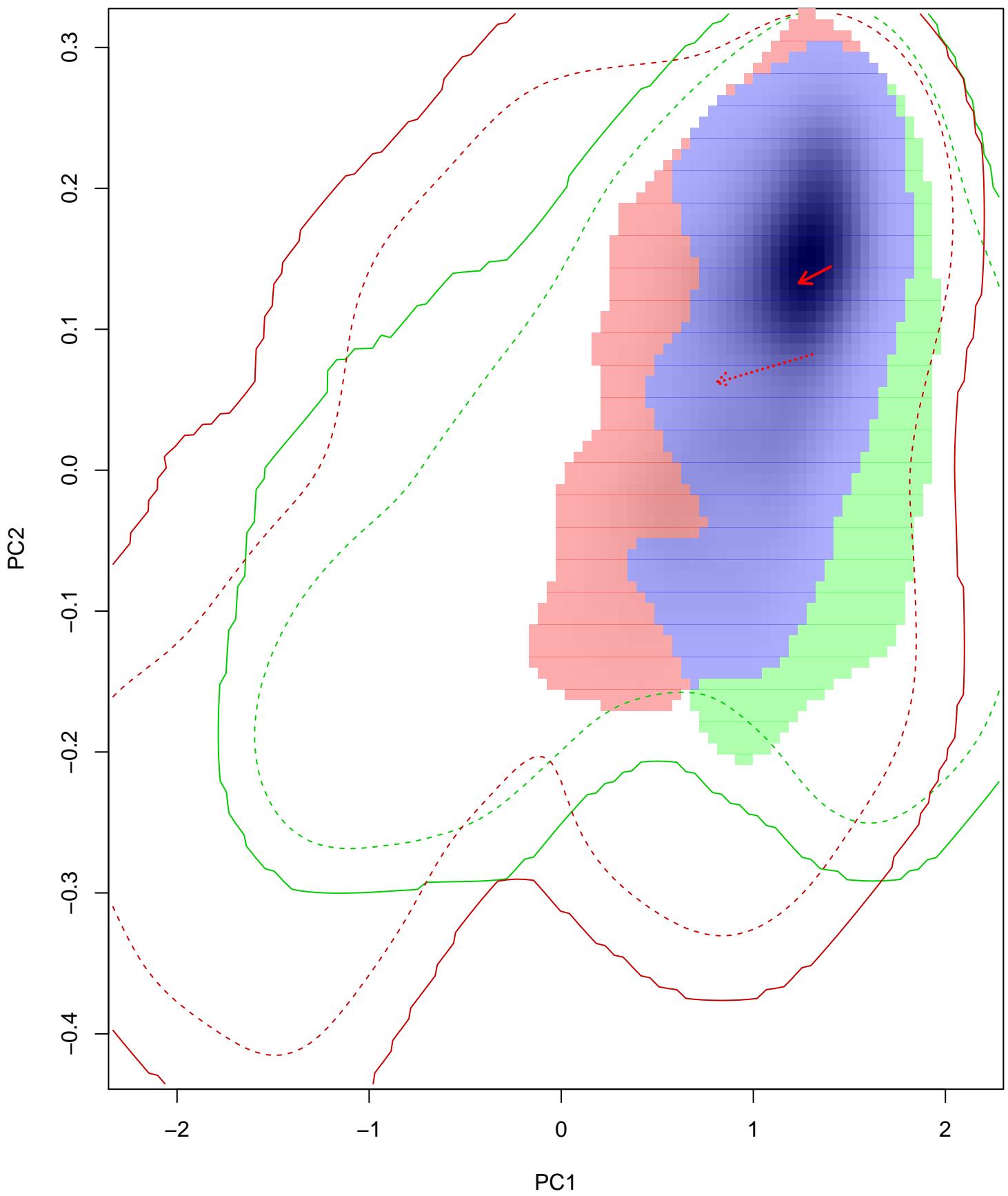
Similarity 2->1



Similarity 1→2

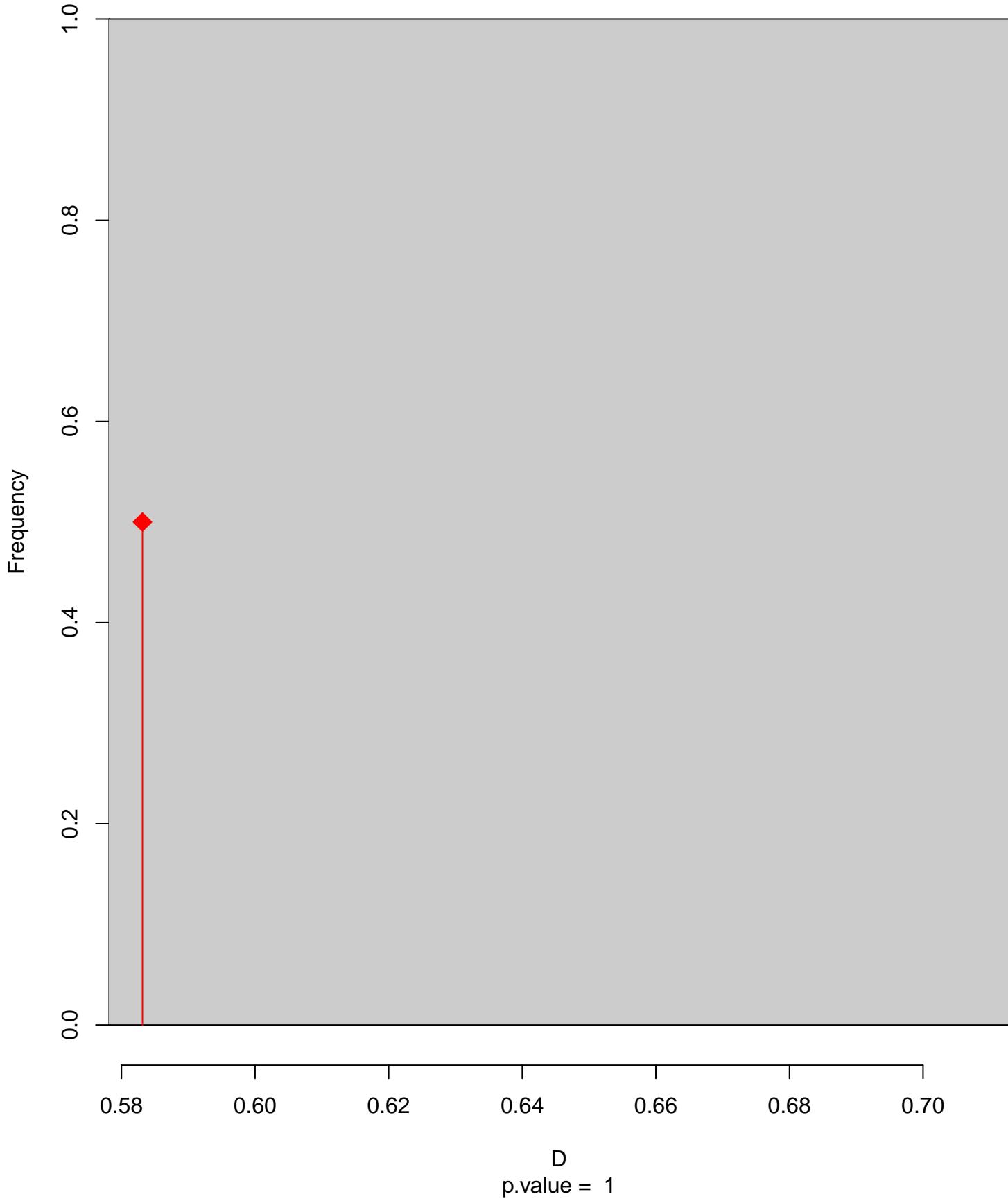


Cecropis_striolata seasonal overlap

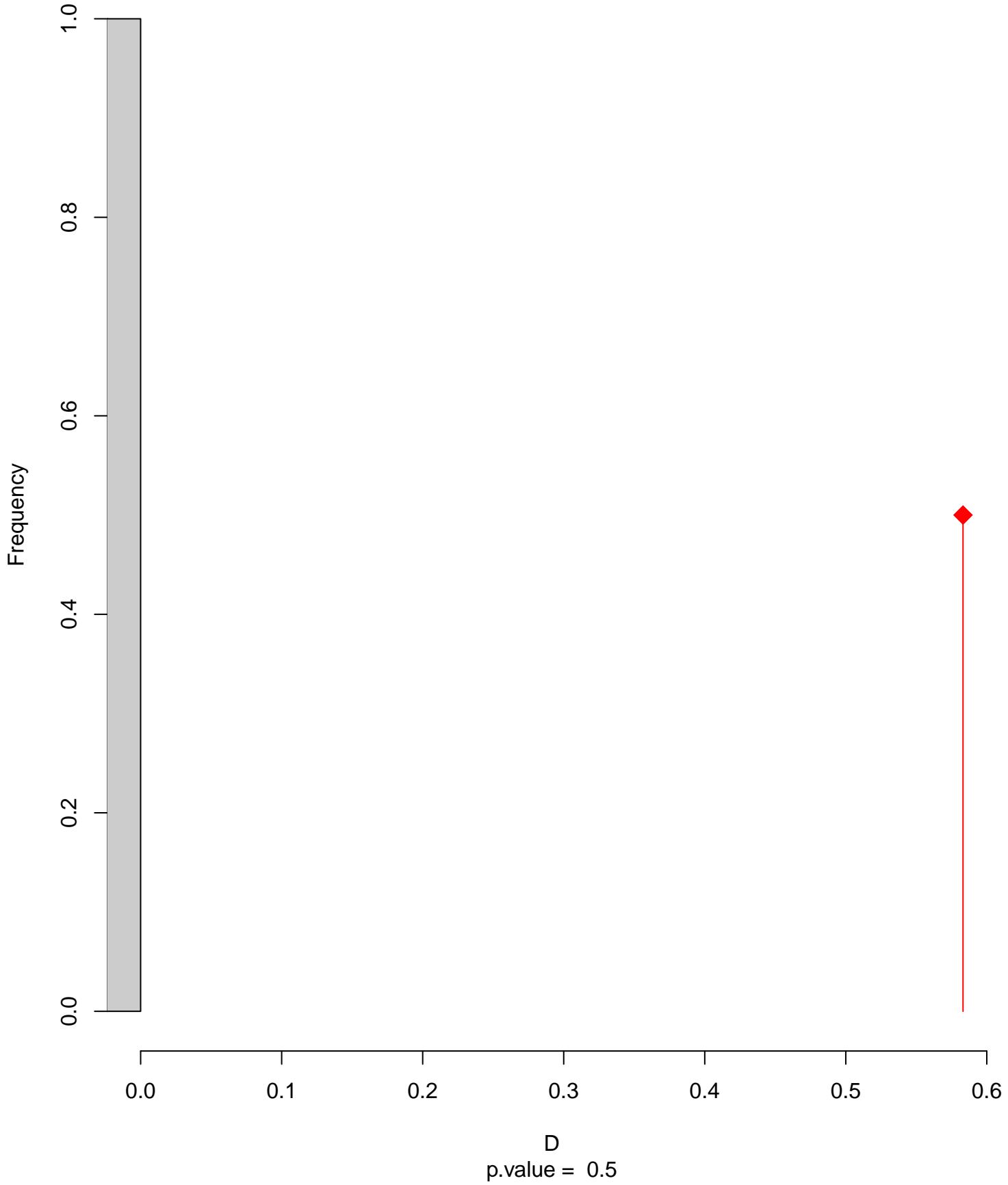


niche overlap:
 $D = 0.583$

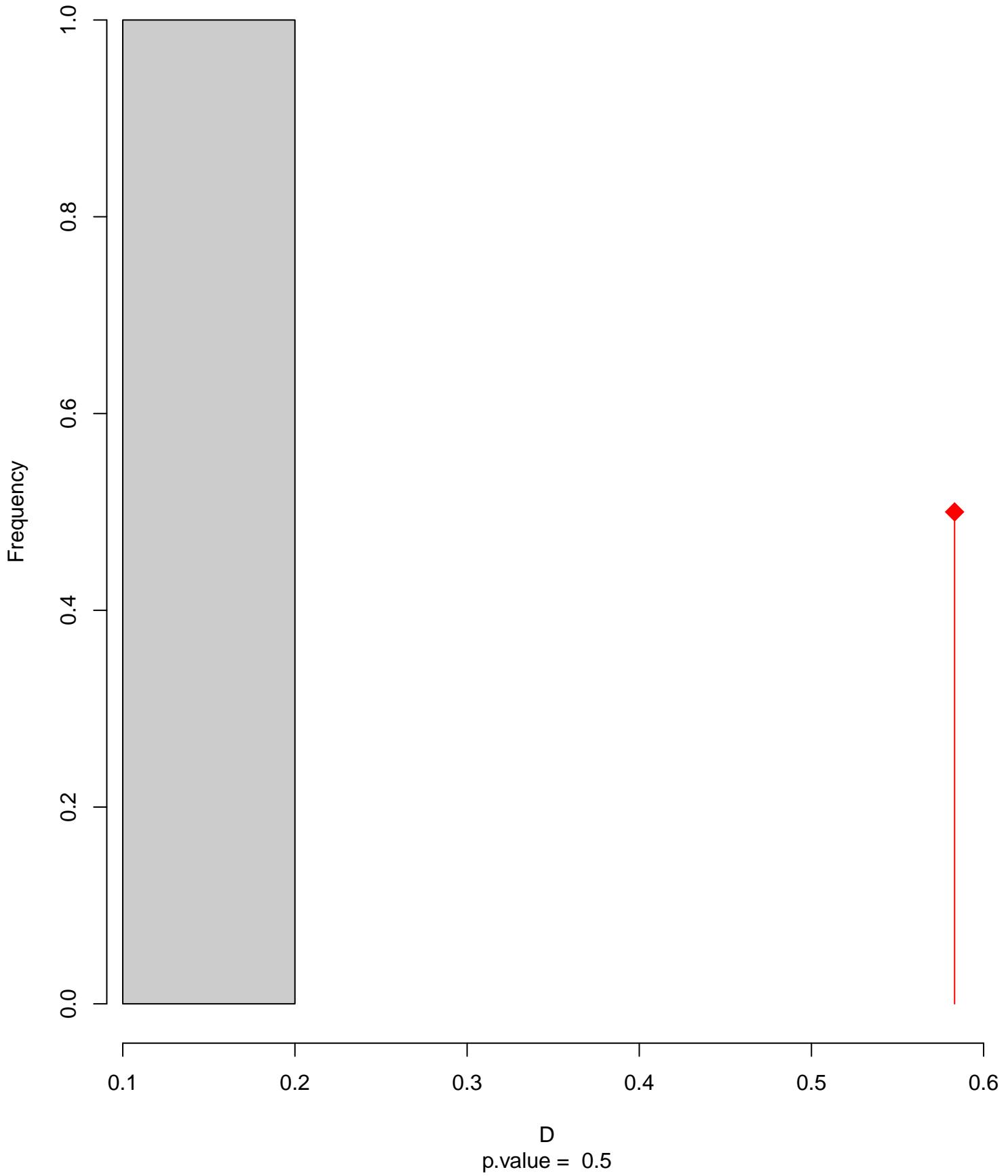
Equivalency



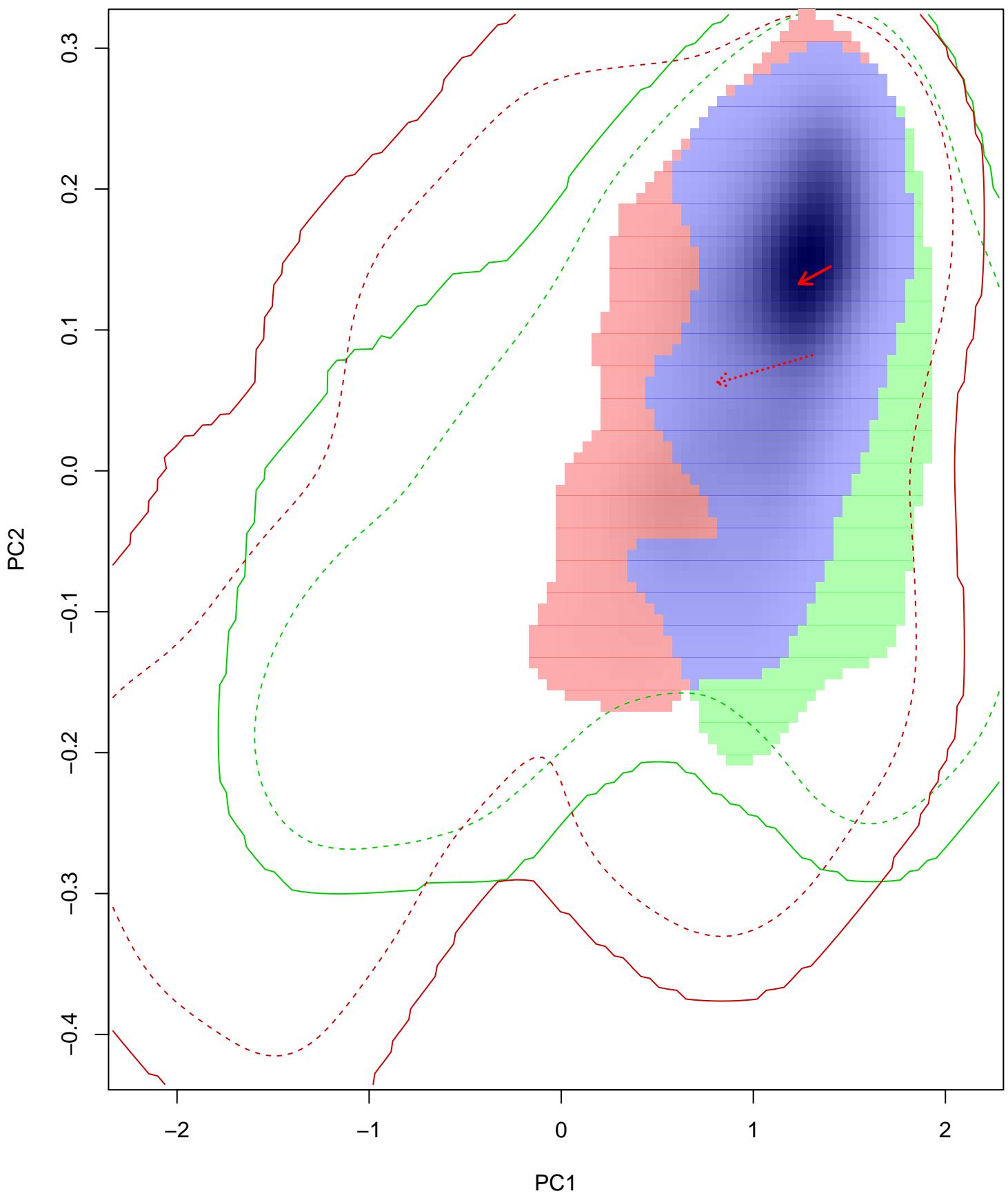
Similarity 2->1



Similarity 1→2

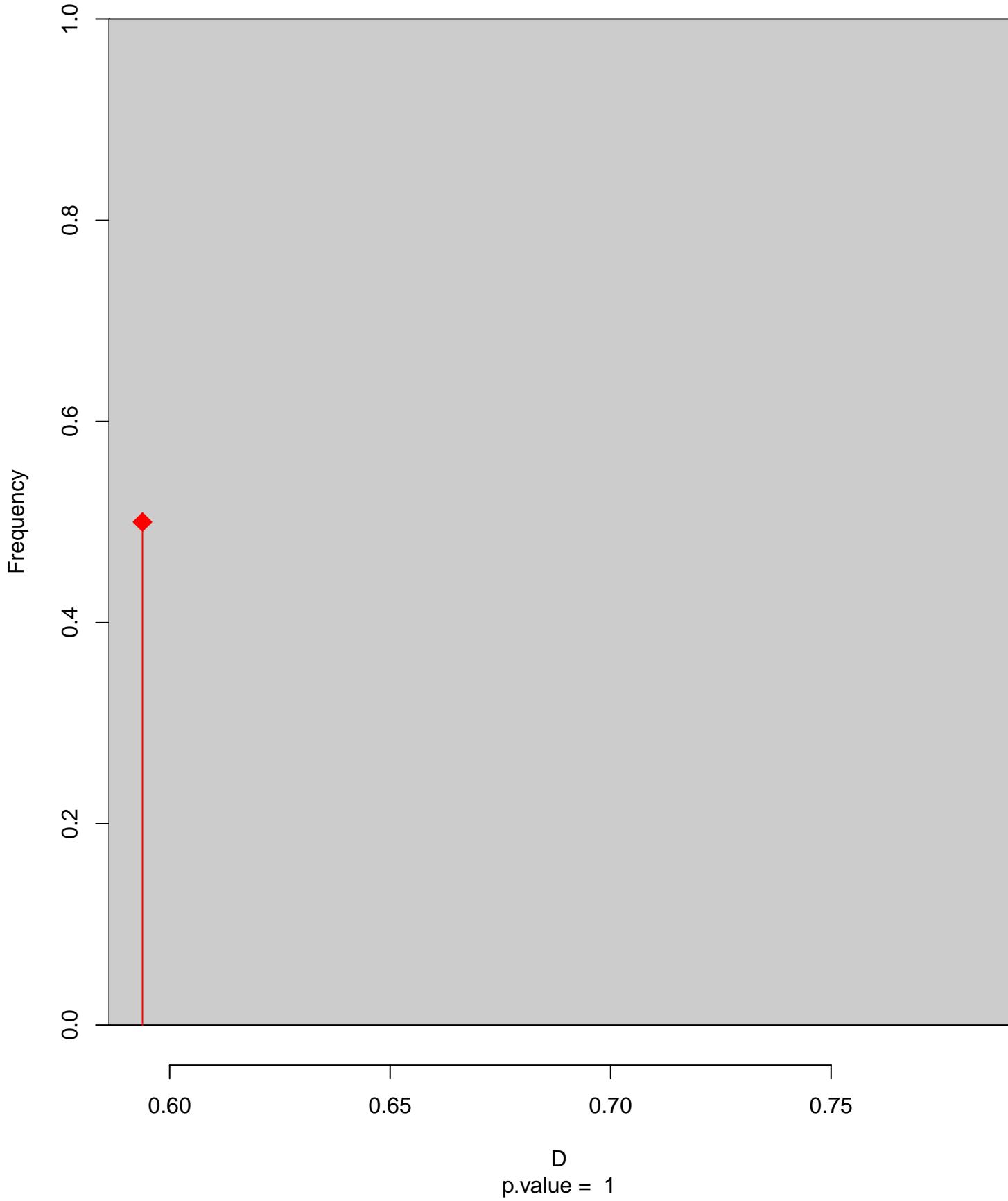


Cecropis_striolata seasonal overlap-hypo.br

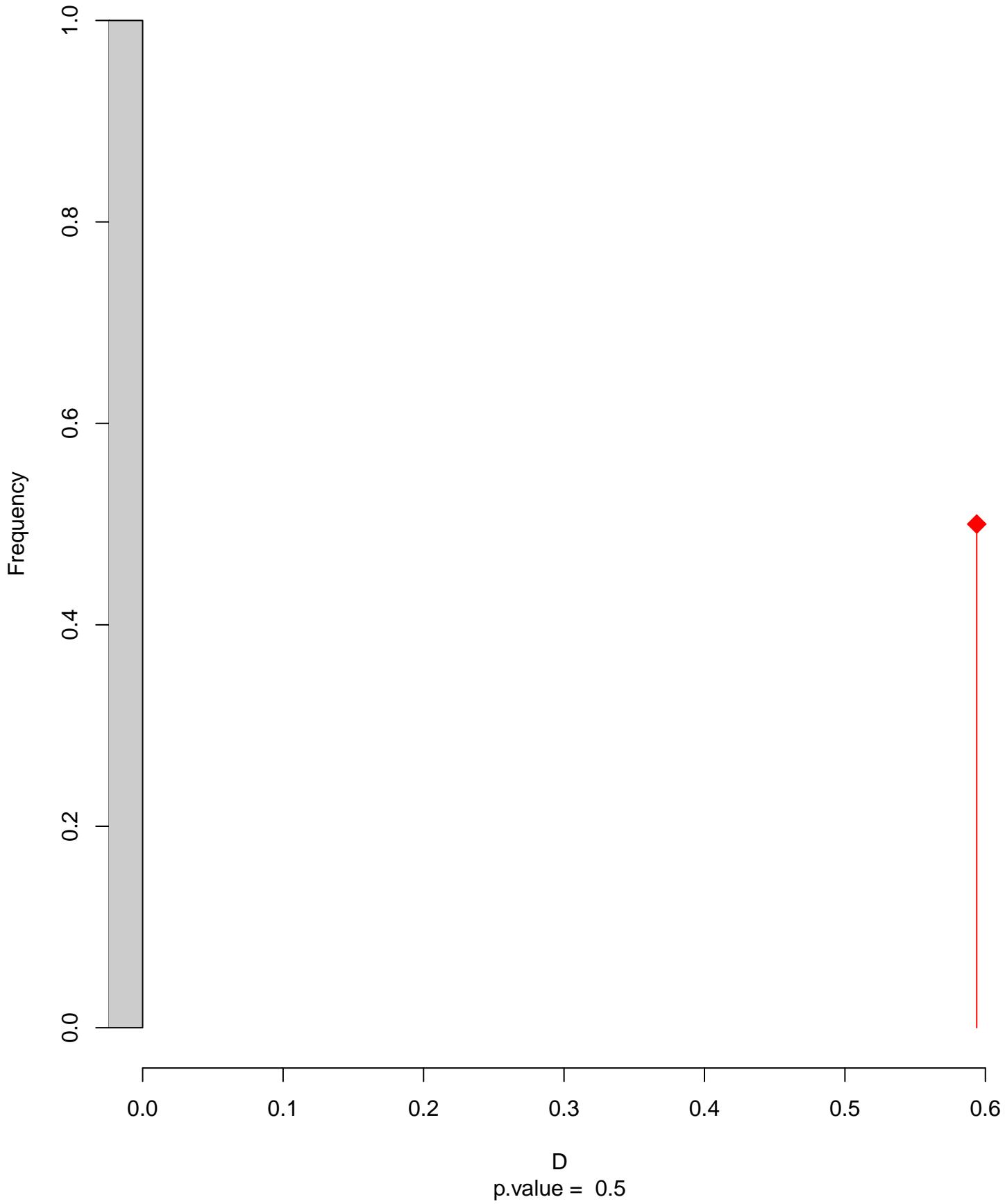


niche overlap:
 $D = 0.594$

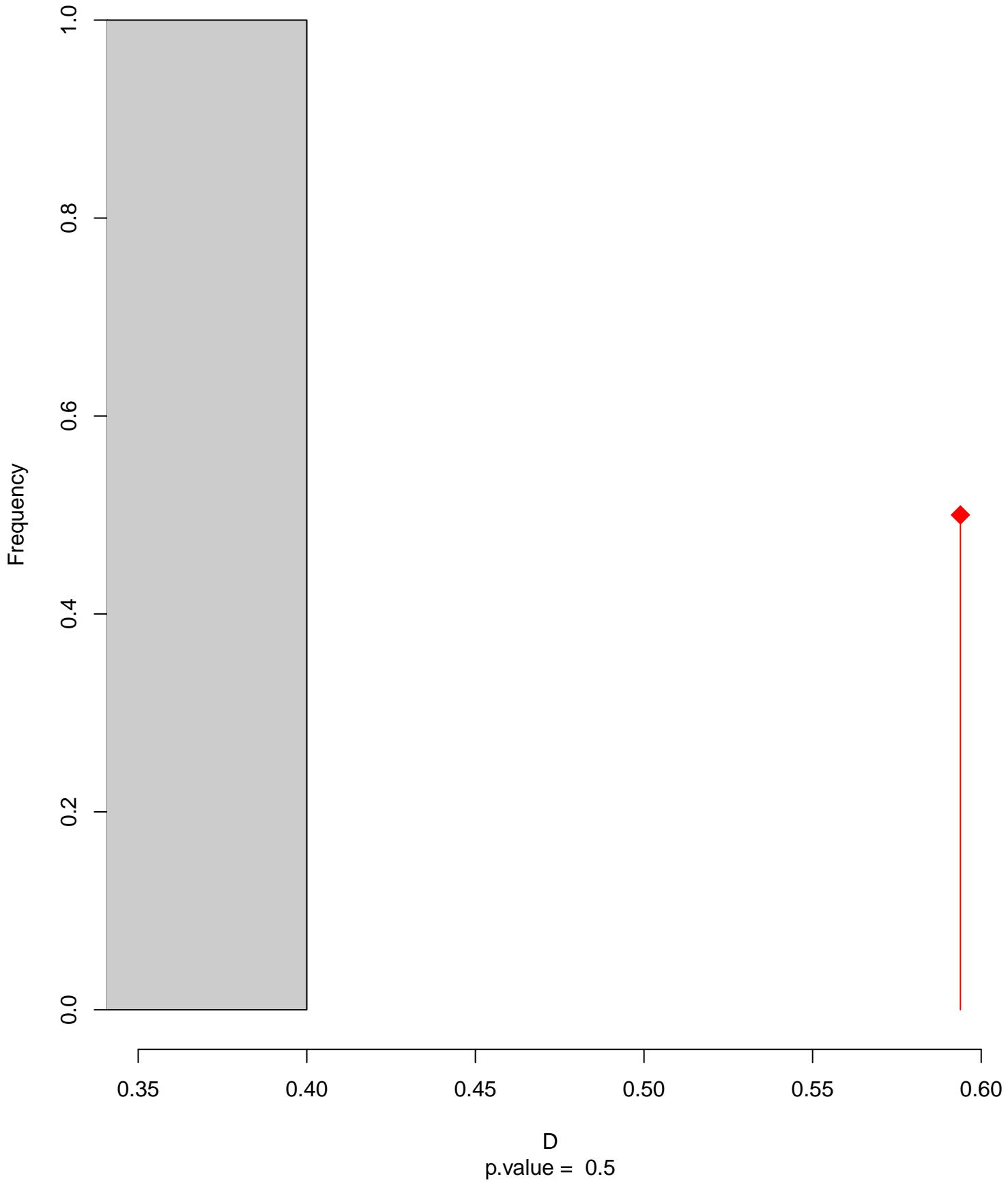
Equivalency



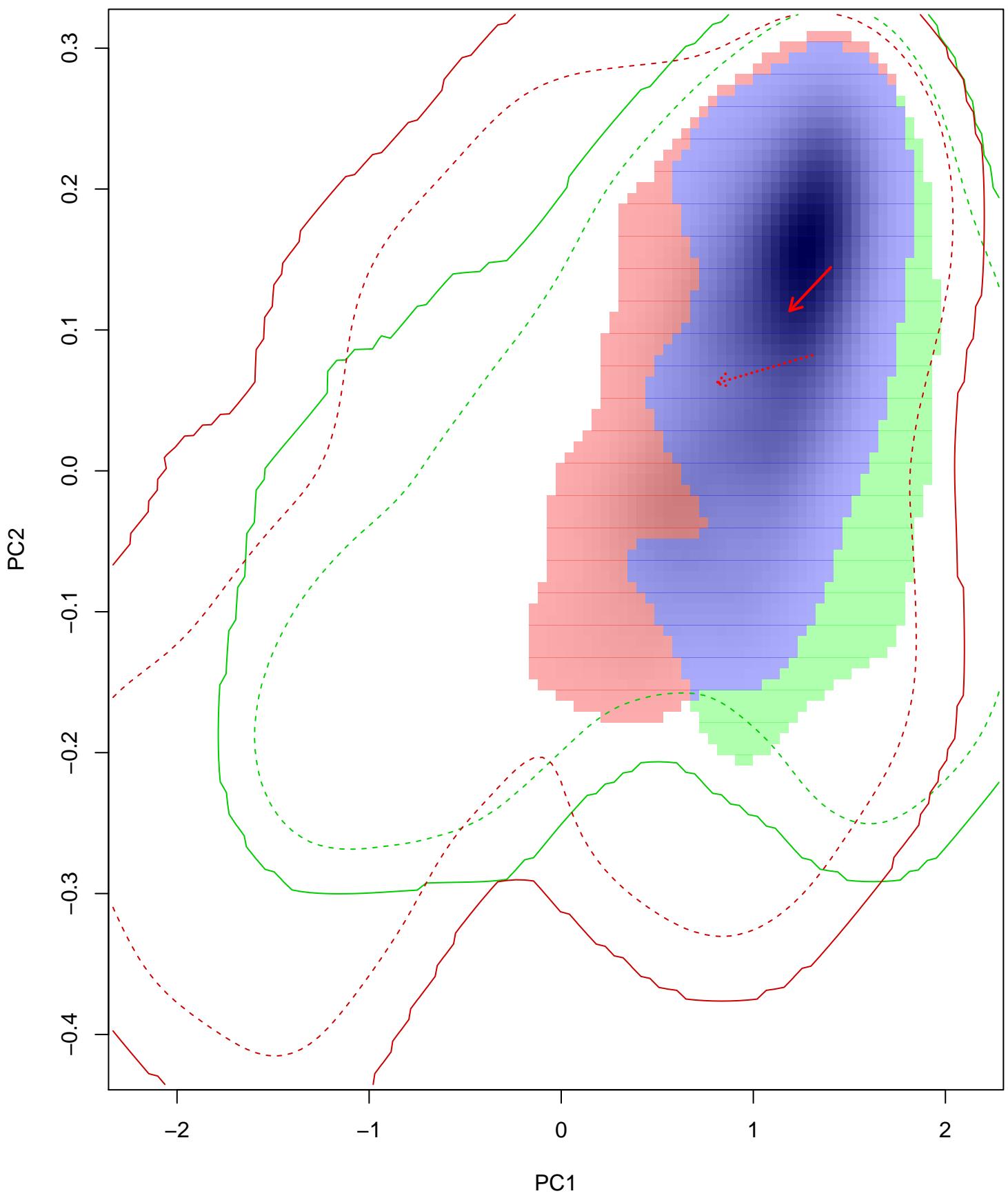
Similarity 2->1



Similarity 1→2

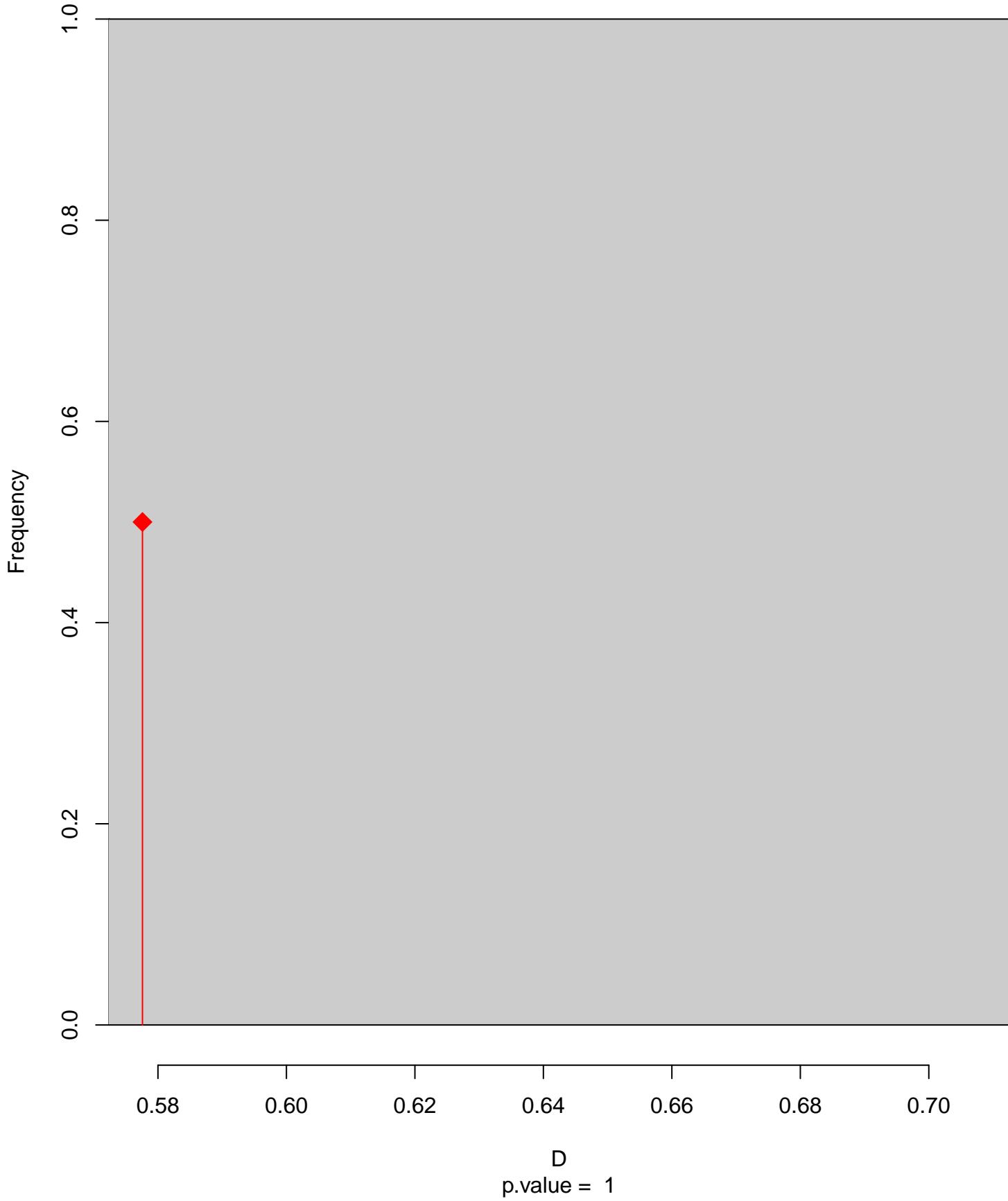


Cecropis_striolata seasonal overlap-hypo wi

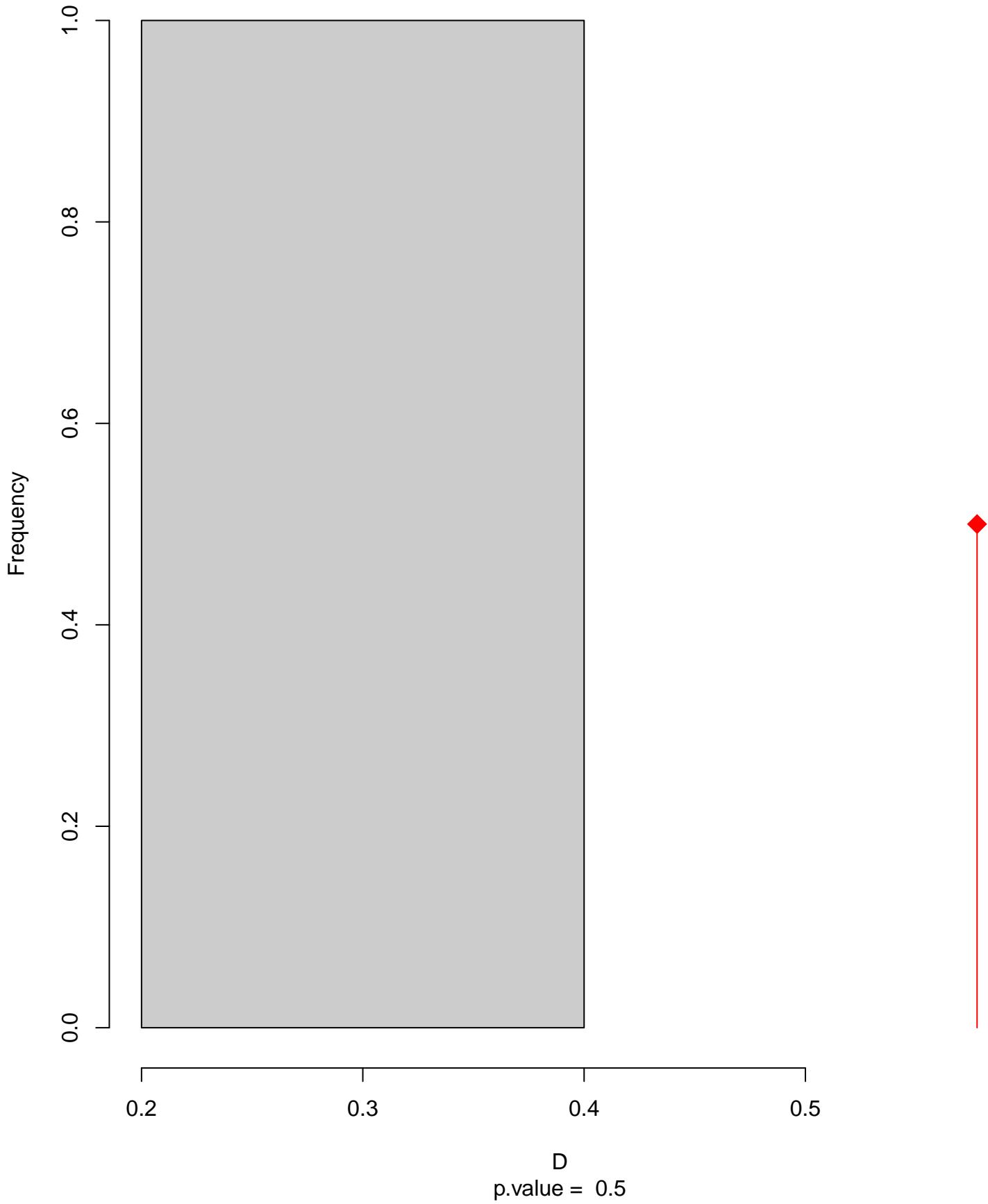


niche overlap:
 $D = 0.578$

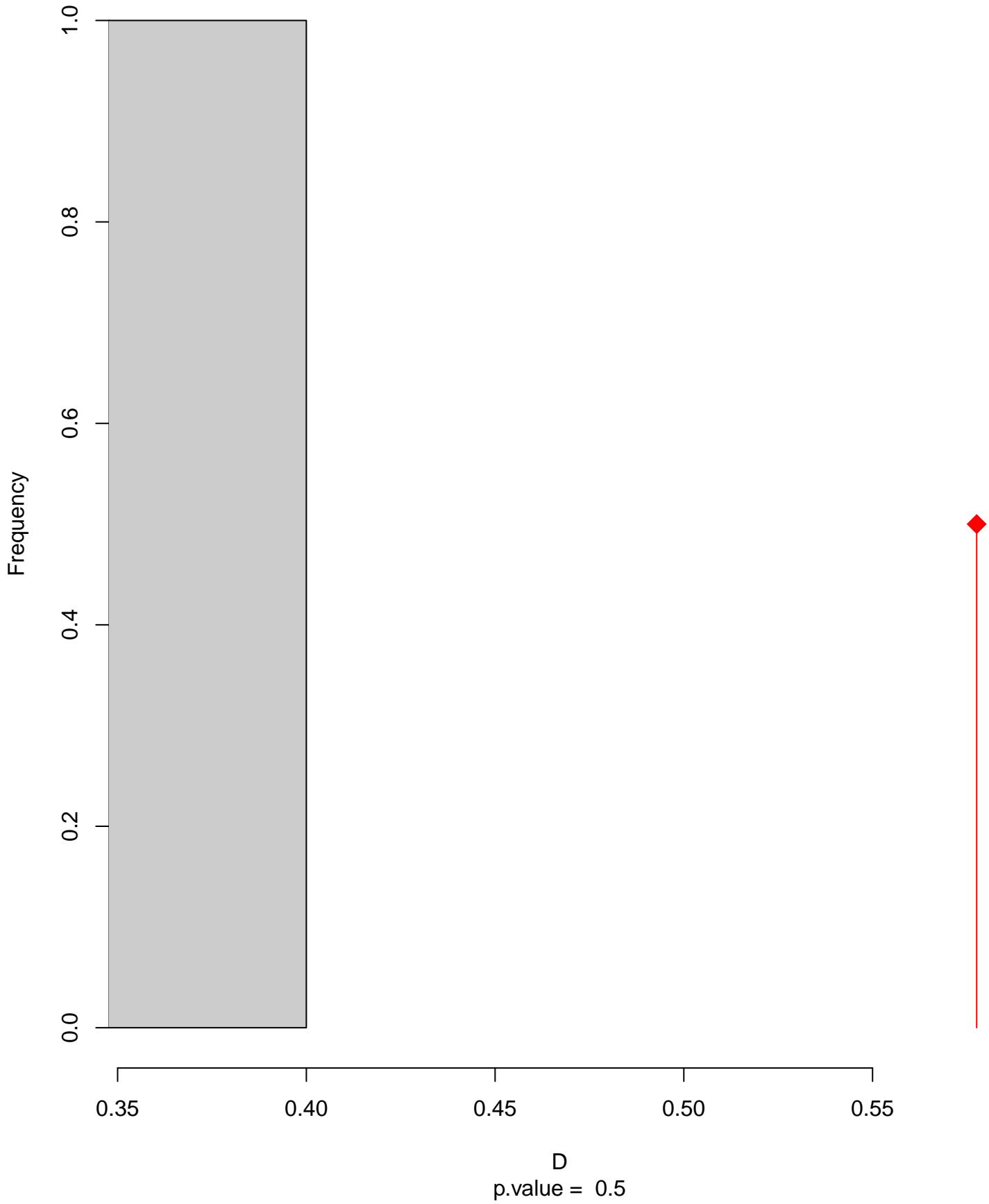
Equivalency



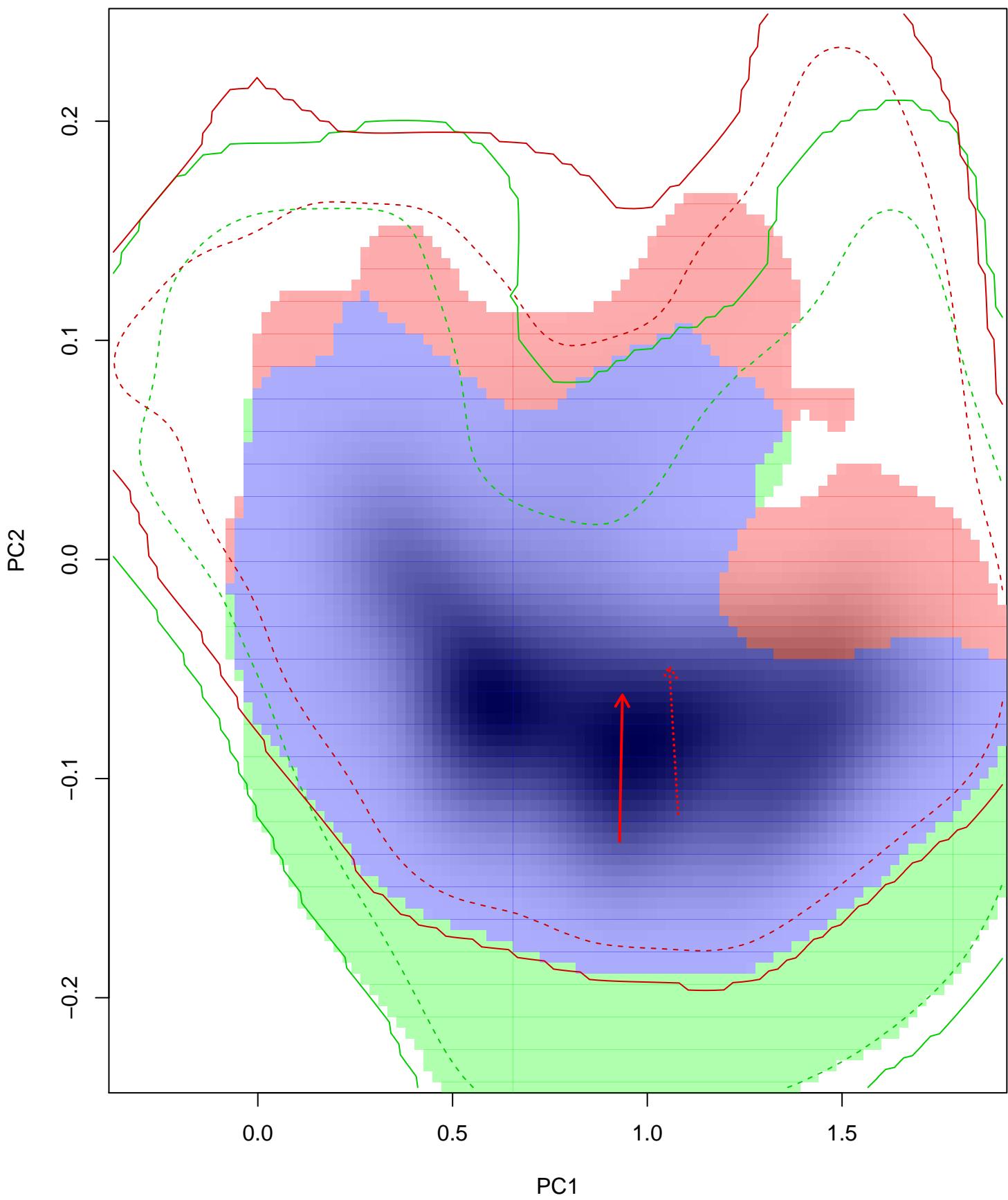
Similarity 2->1



Similarity 1→2

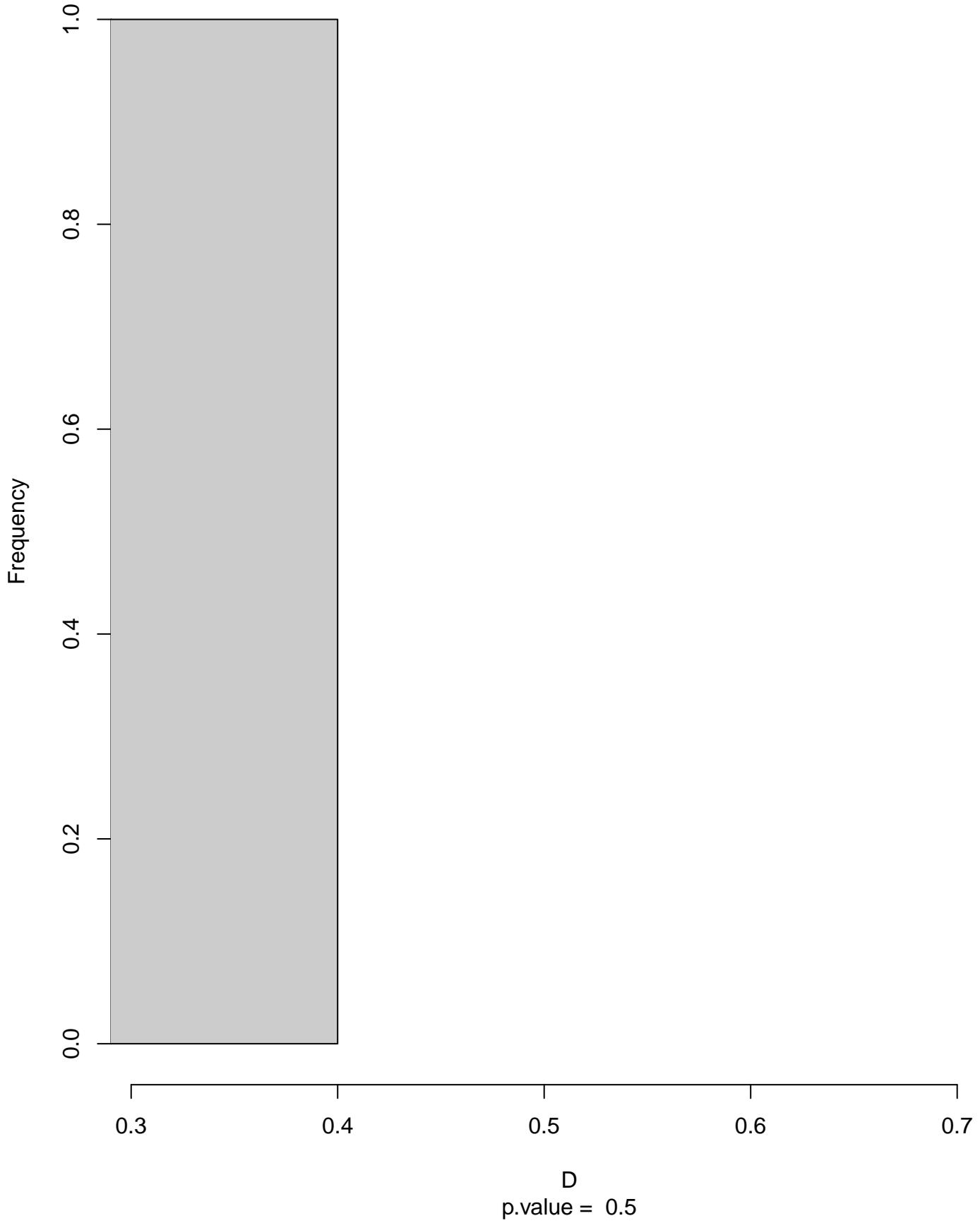


Cheramoeca_leucosterna seasonal overlap

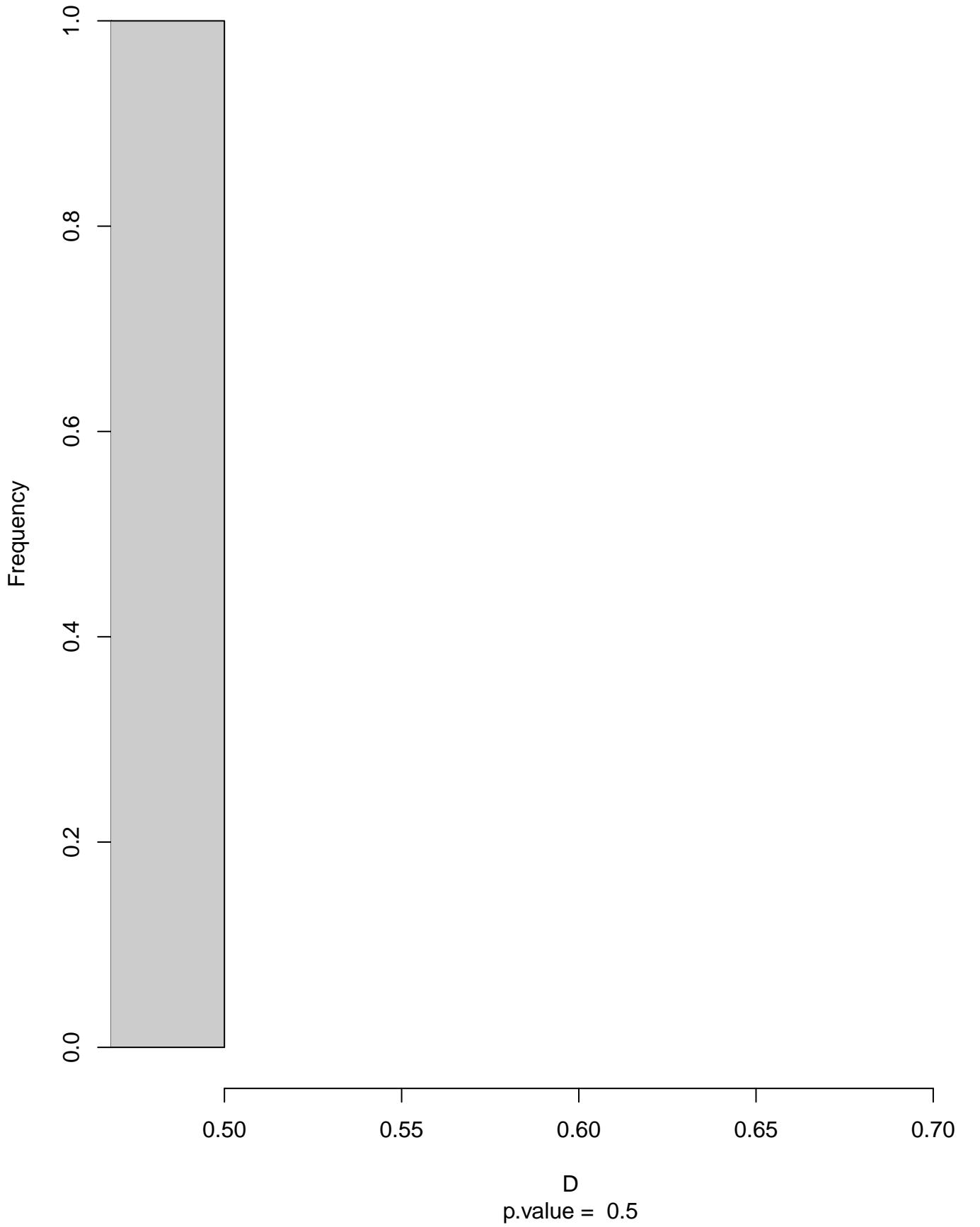


niche overlap:
 $D= 0.718$

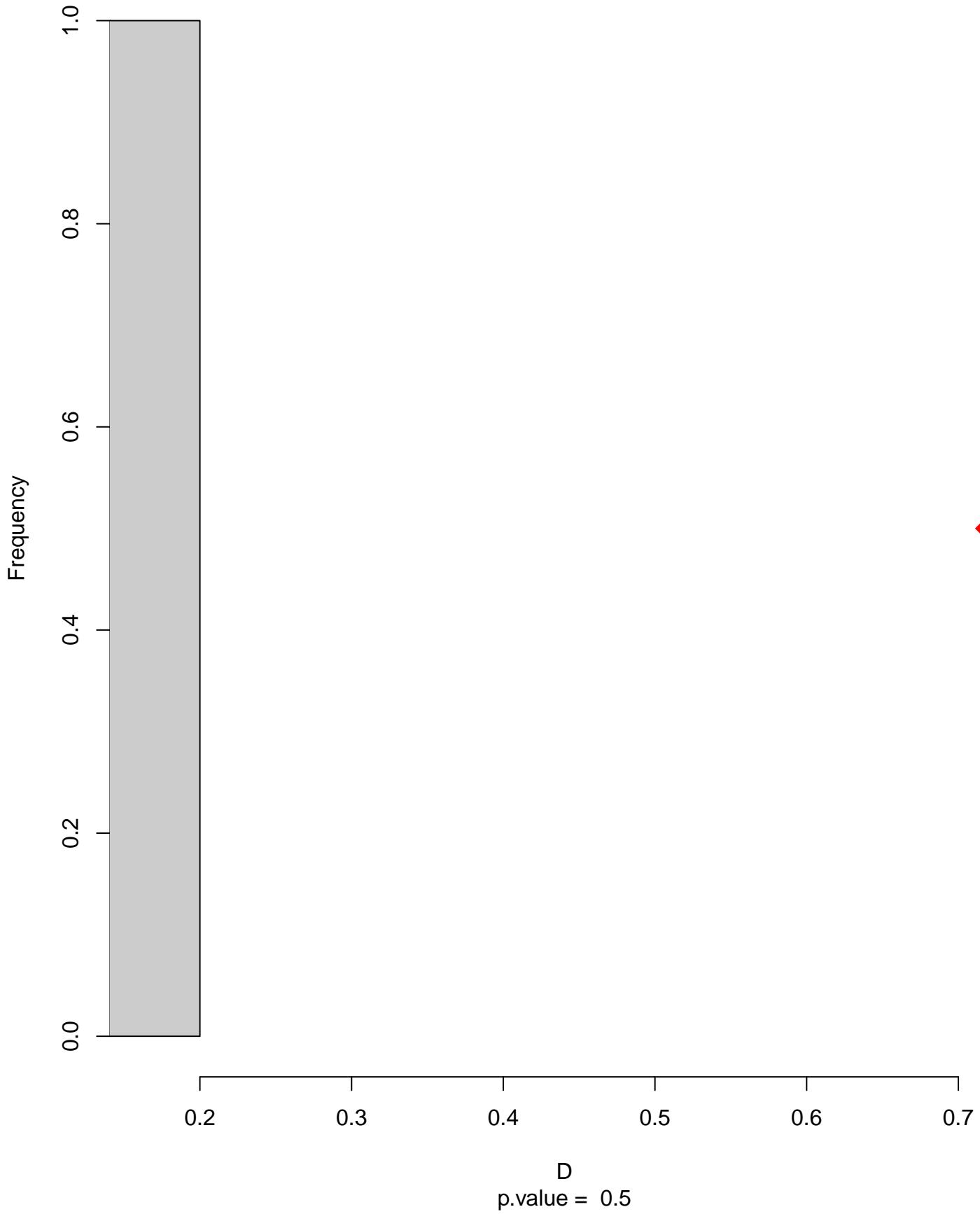
Equivalency



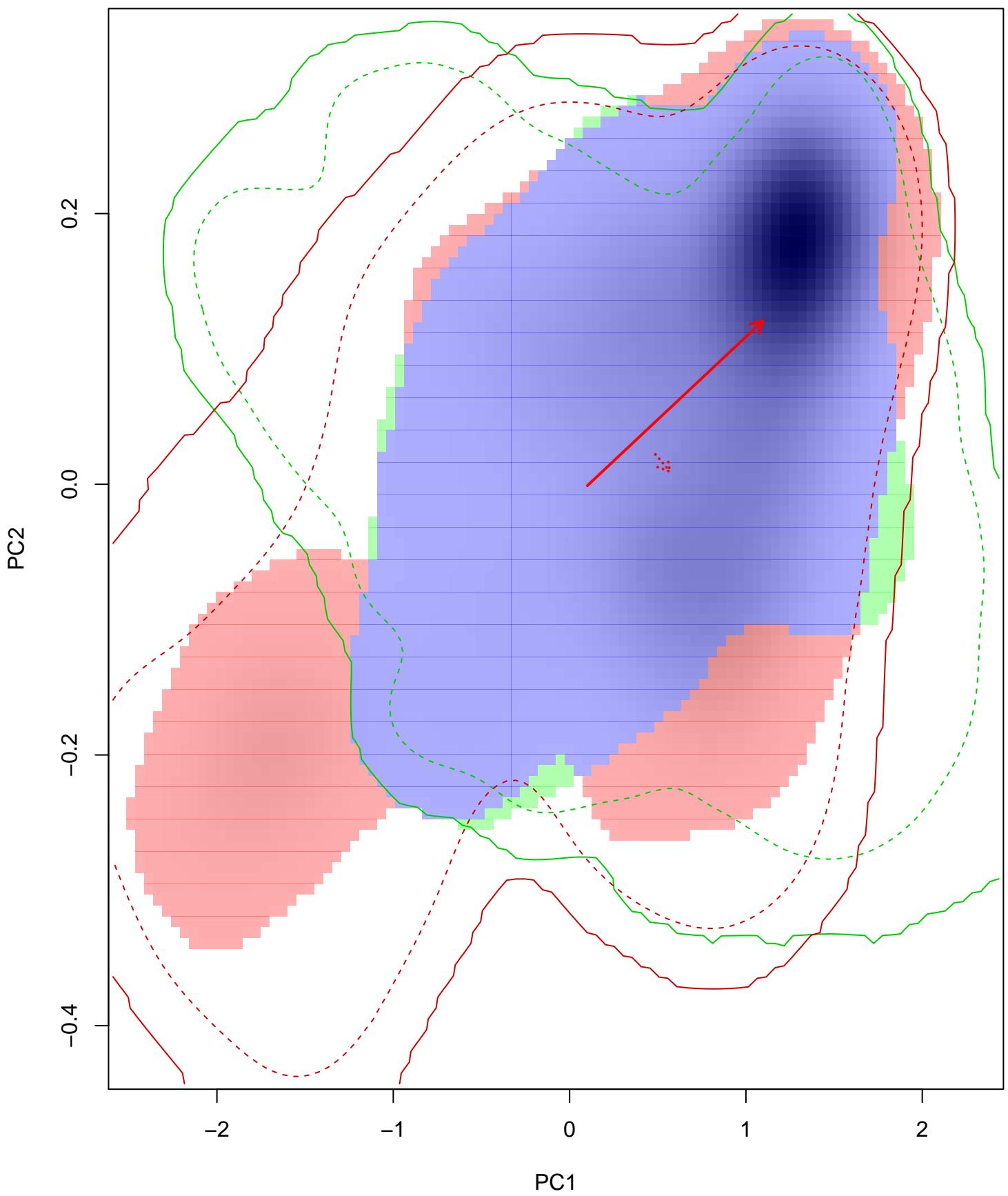
Similarity 2->1



Similarity 1→2

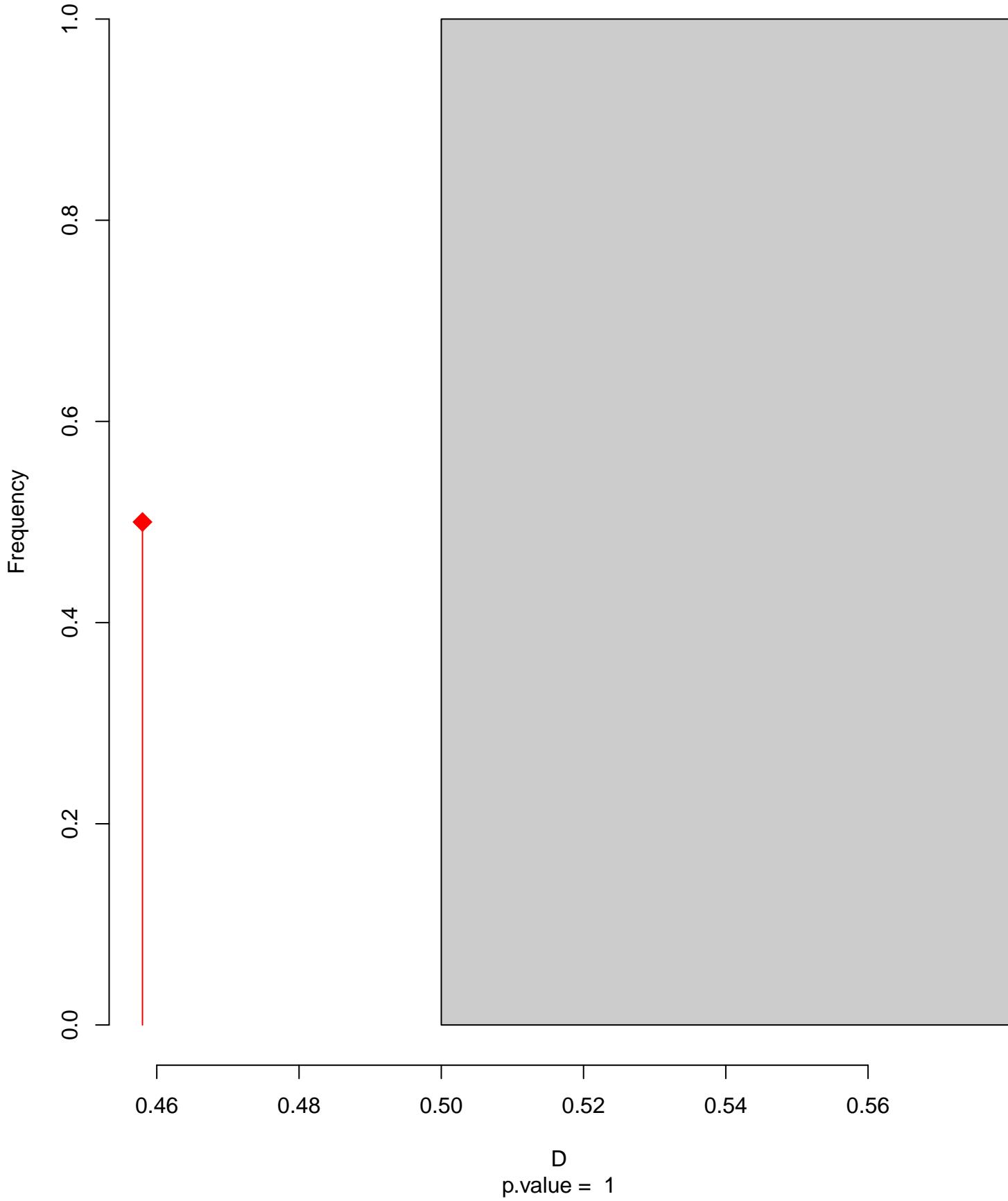


Delichon_dasypus seasonal overlap

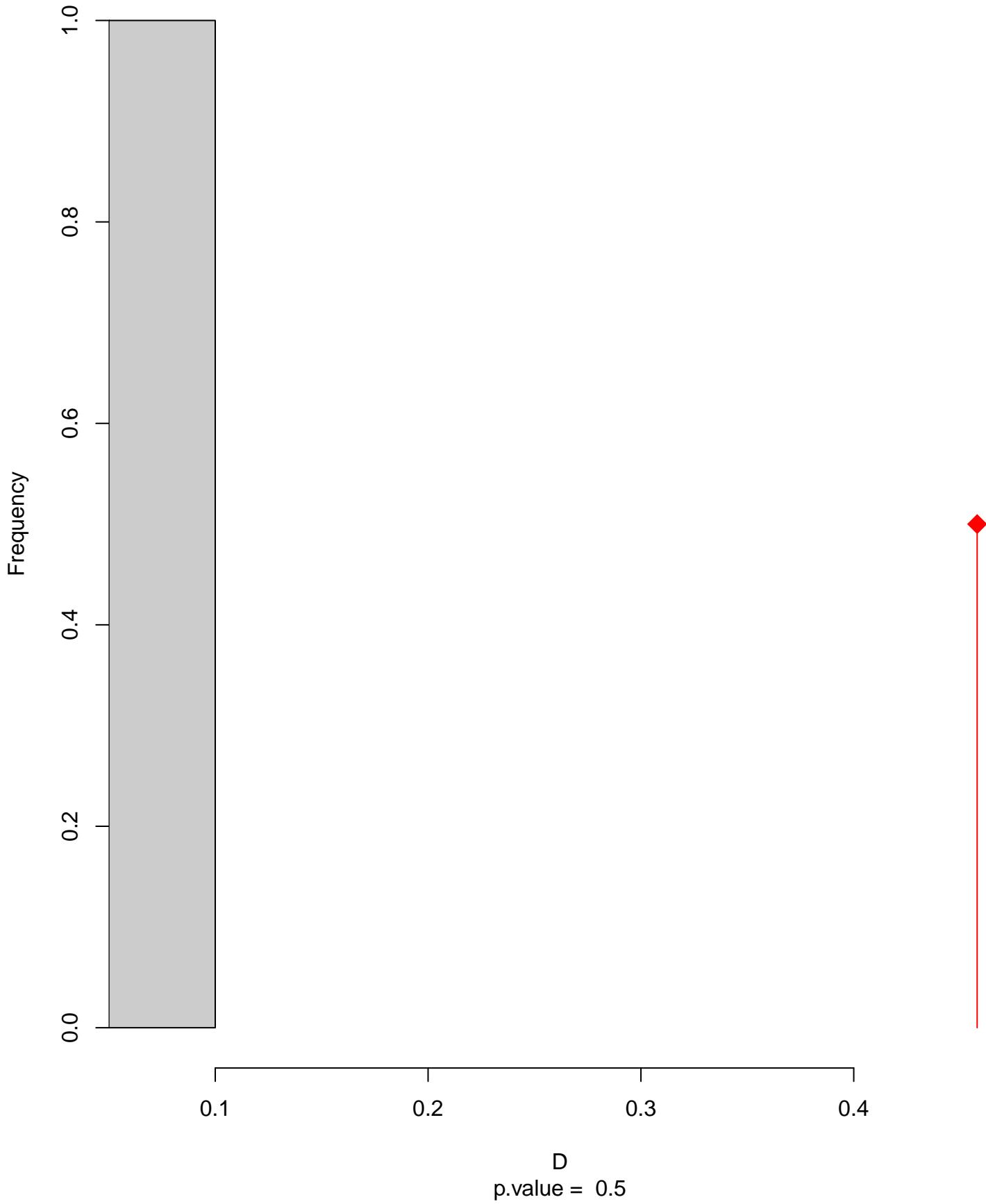


niche overlap:
 $D = 0.458$

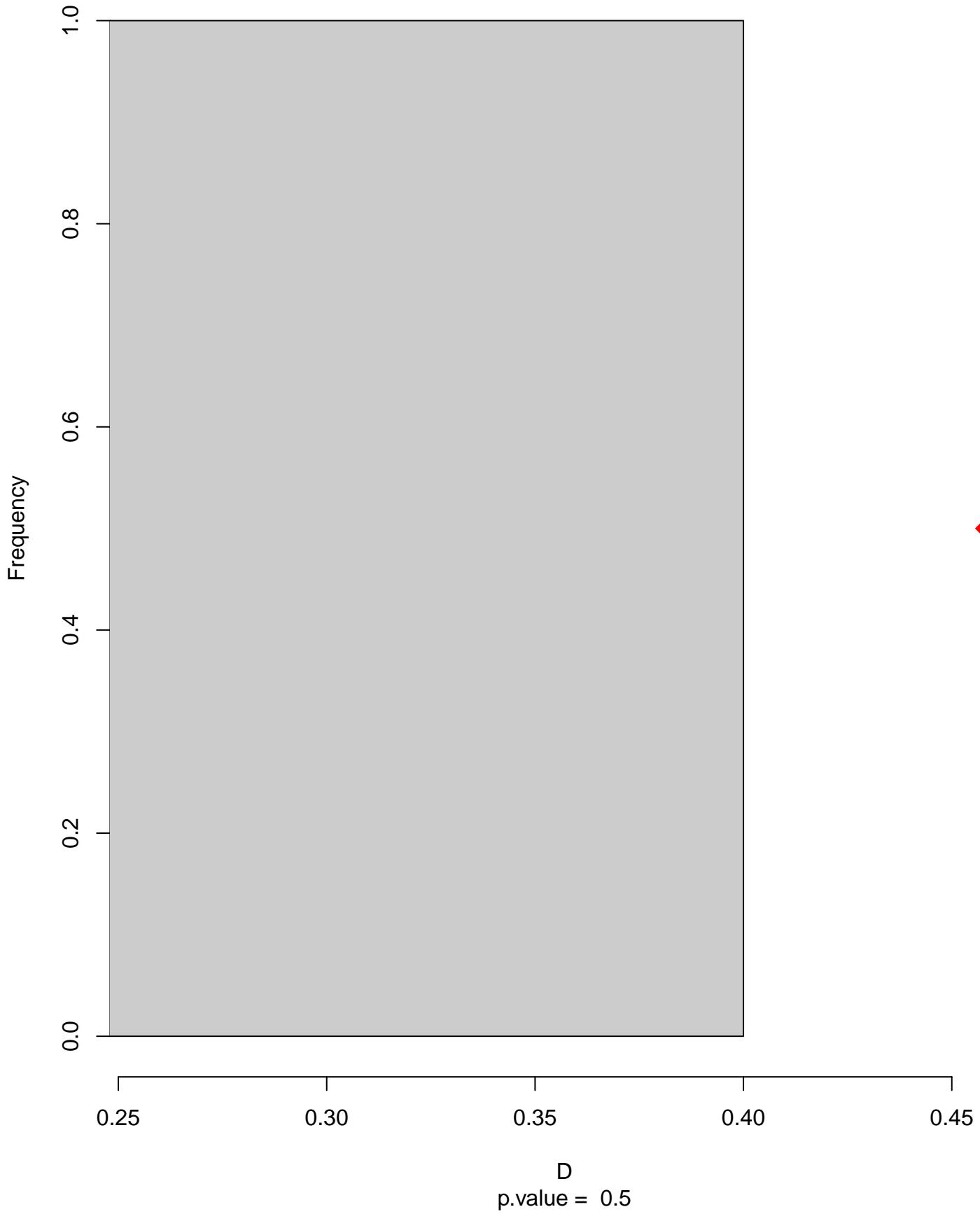
Equivalency



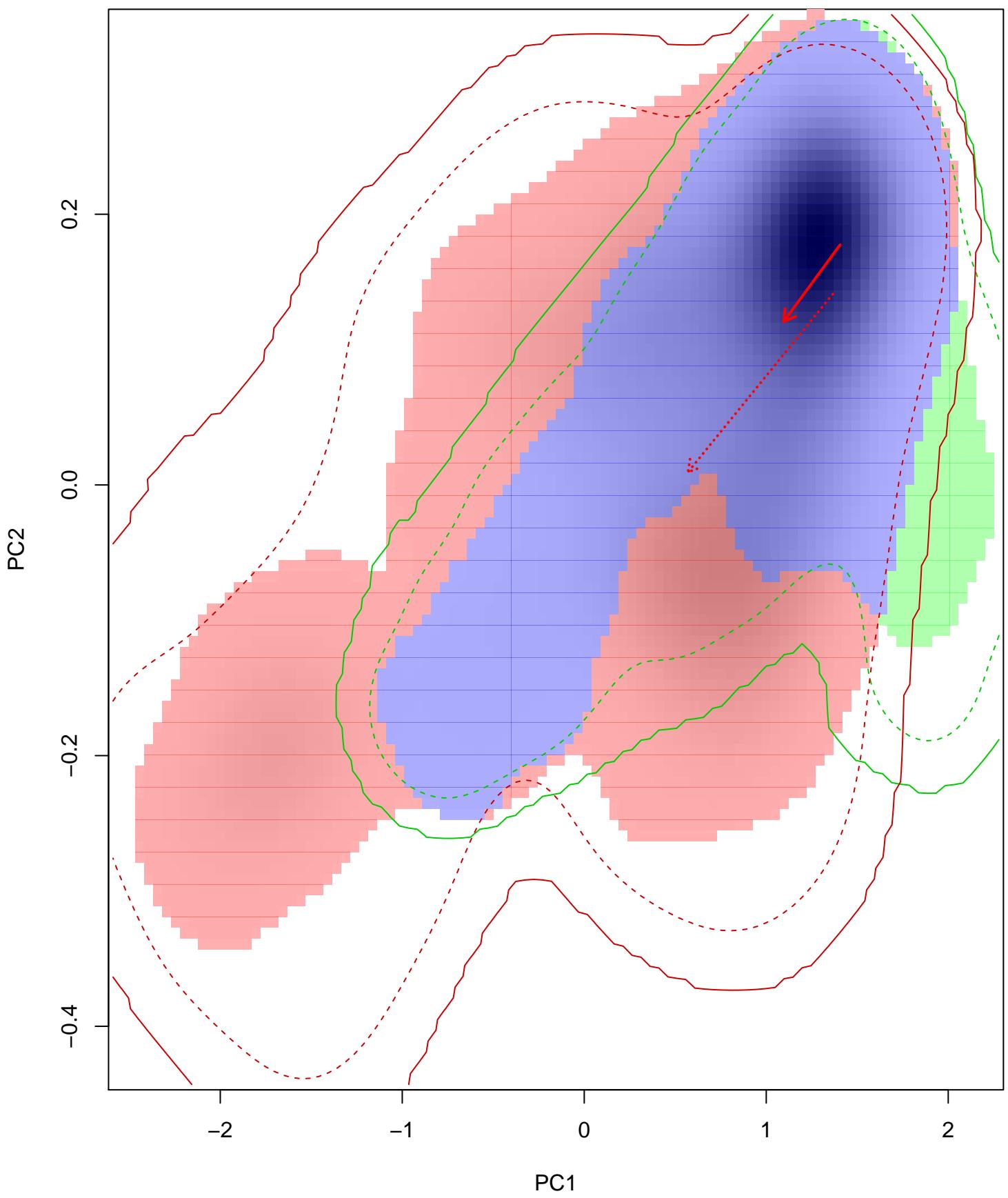
Similarity 2->1



Similarity 1→2

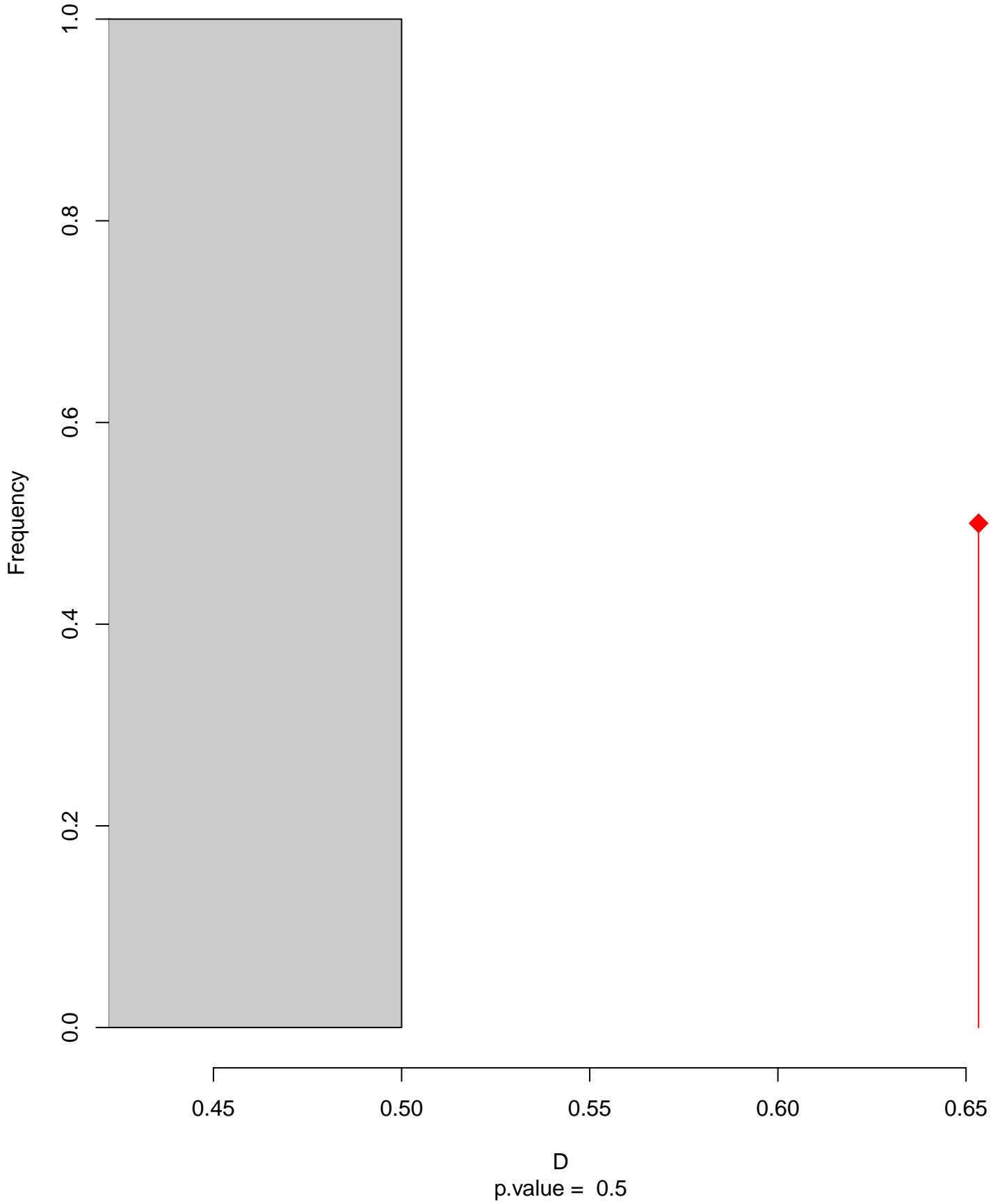


Delichon_dasypus seasonal overlap–hypo.br

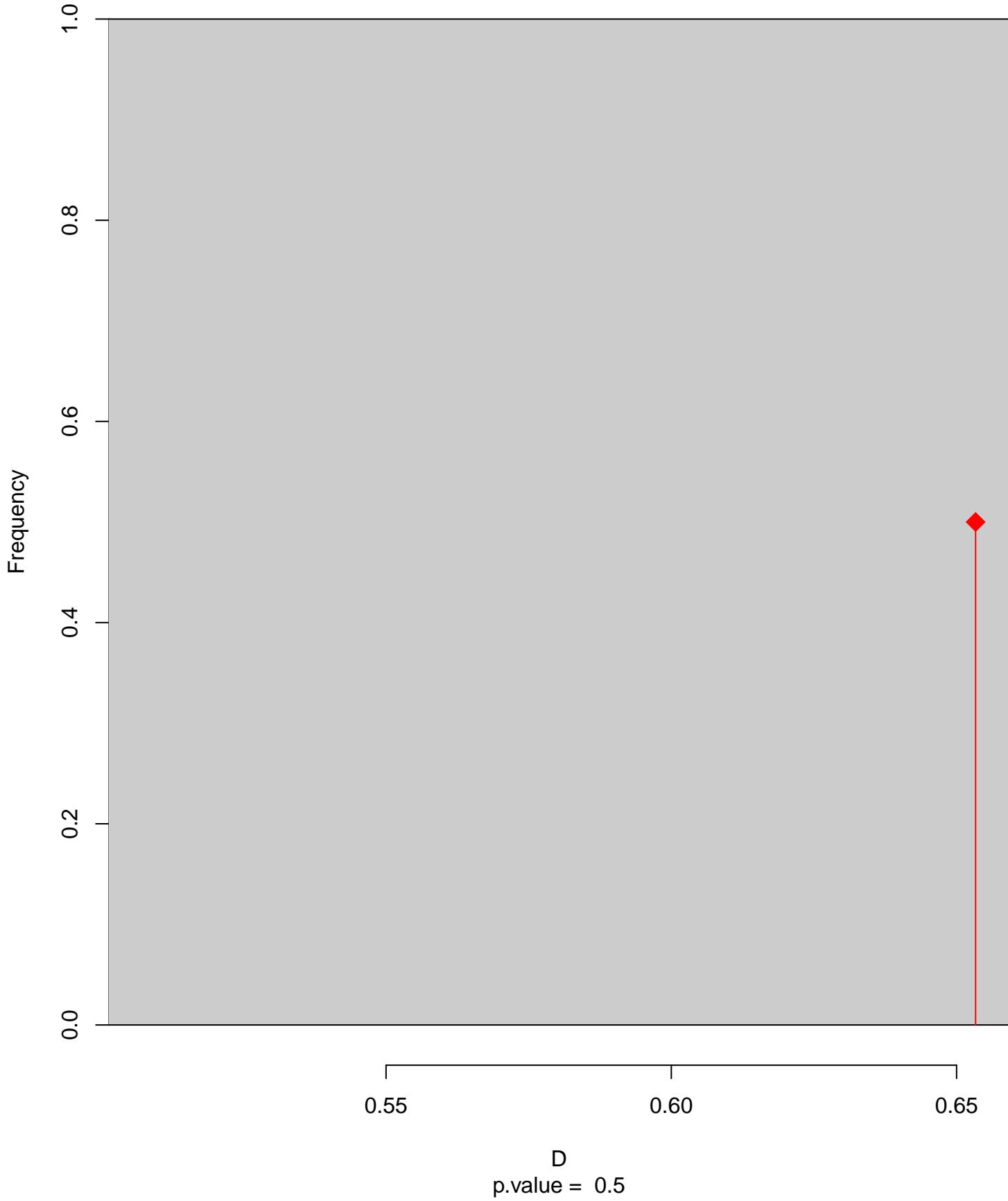


niche overlap:
 $D = 0.653$

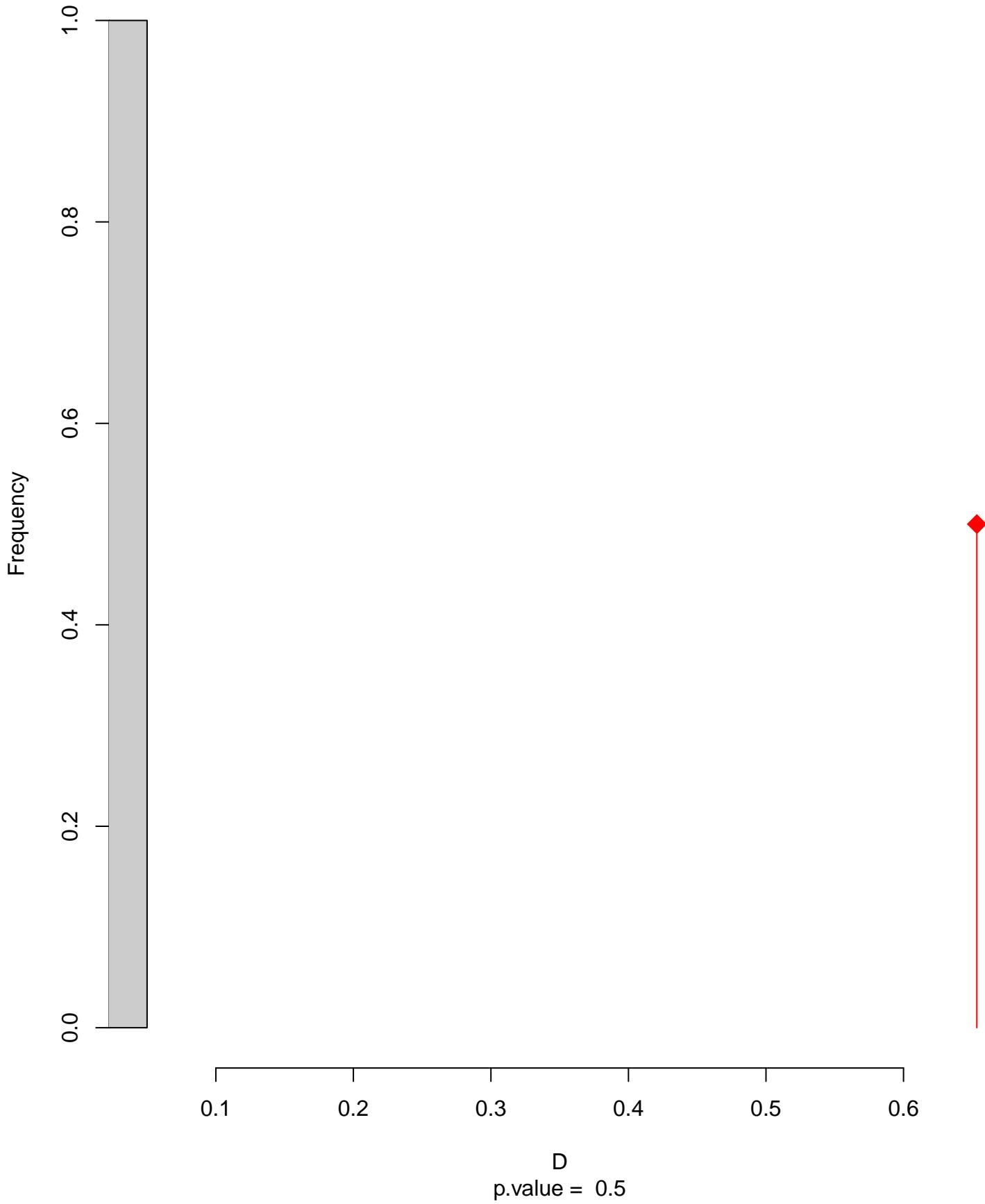
Equivalency



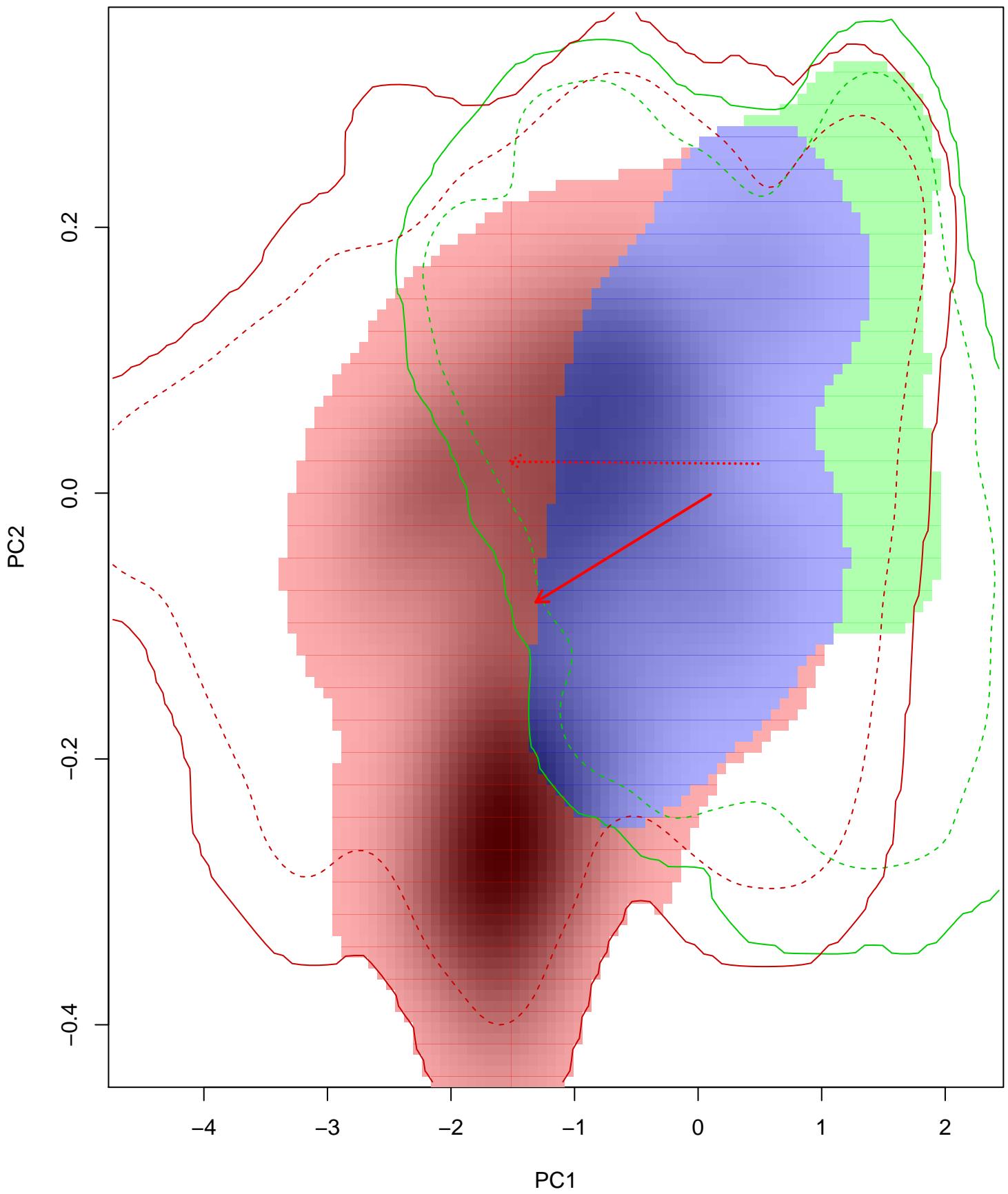
Similarity 2->1



Similarity 1→2

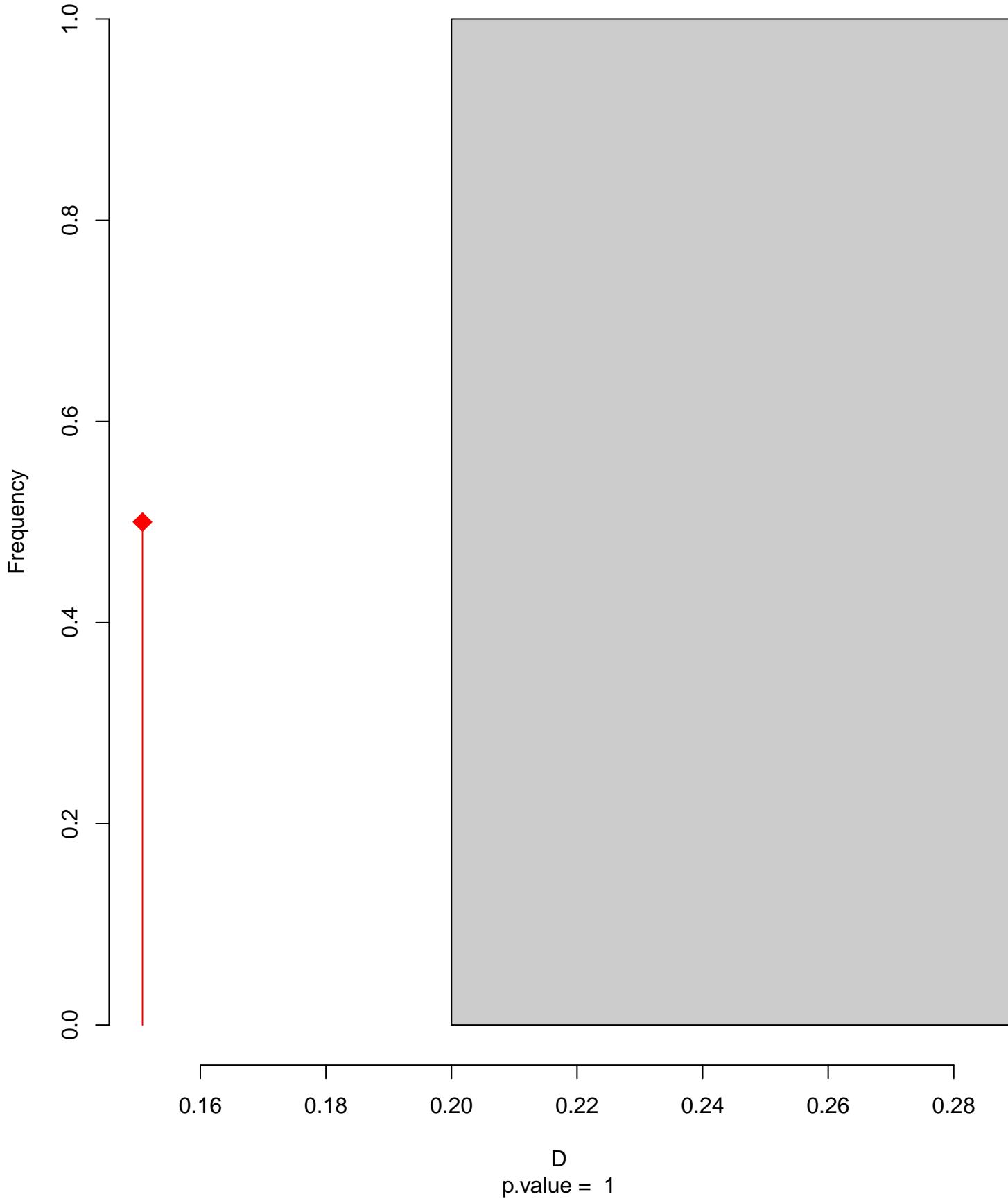


Delichon_dasypus seasonal overlap-hypo wi

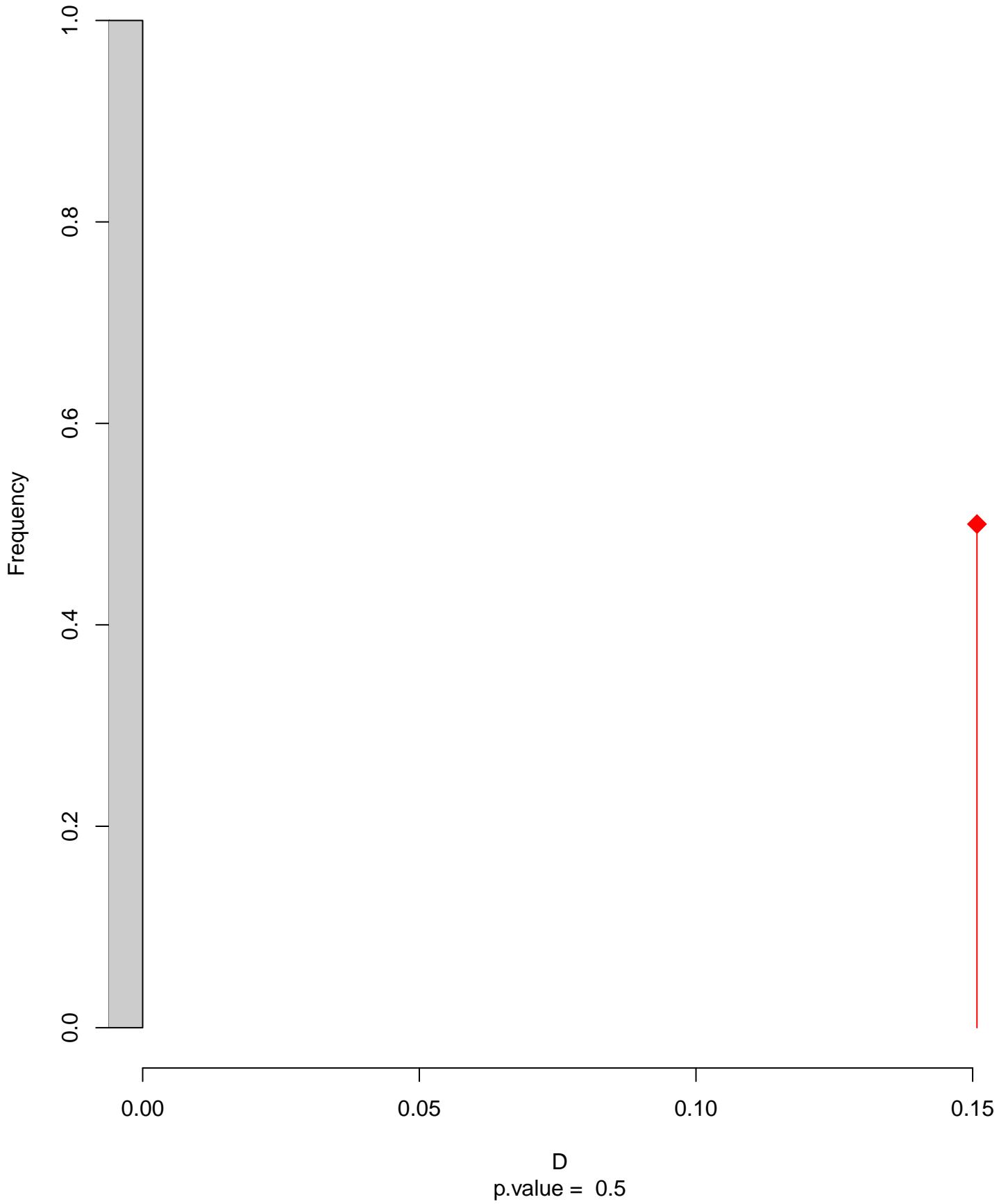


niche overlap:
 $D = 0.151$

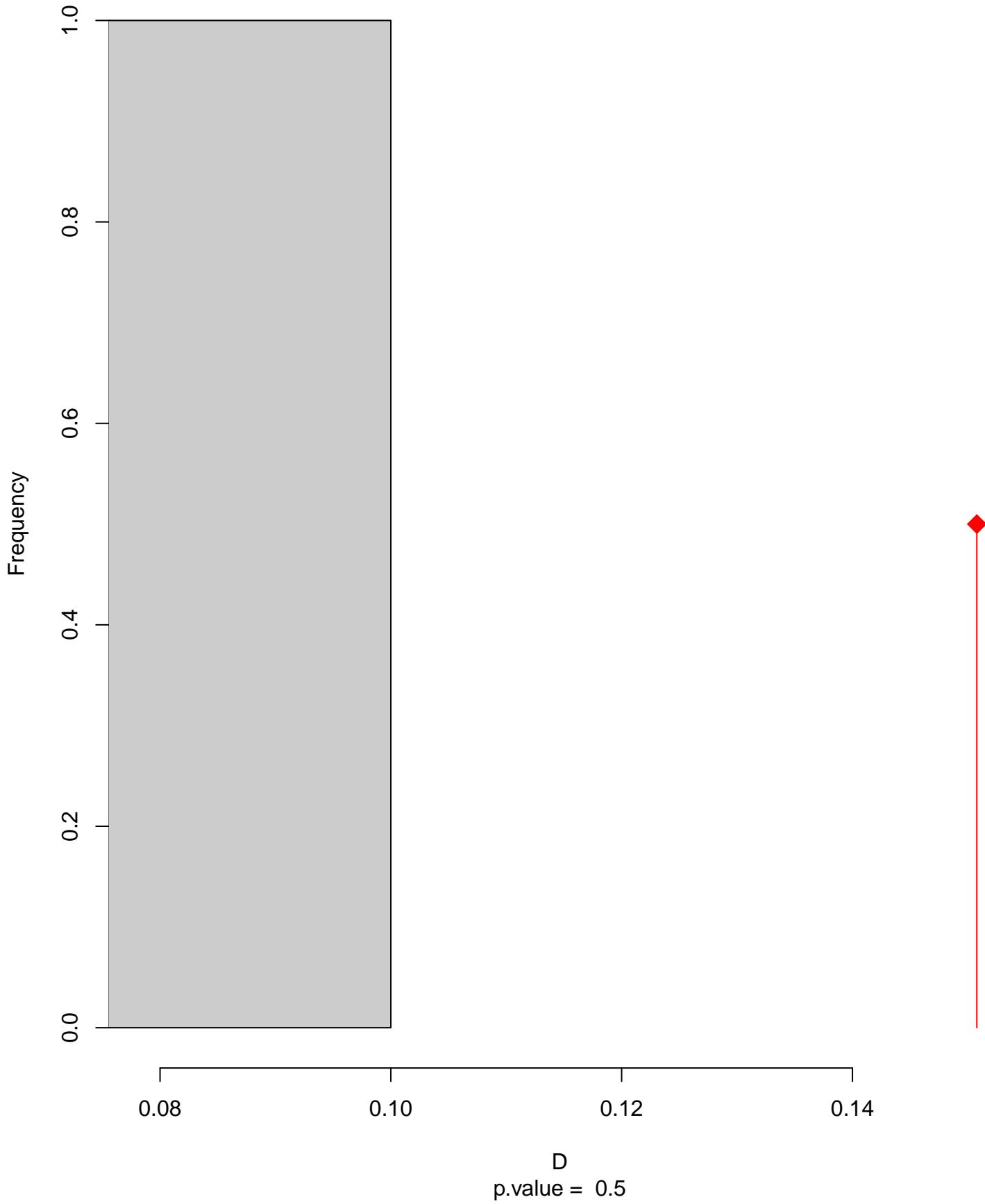
Equivalency



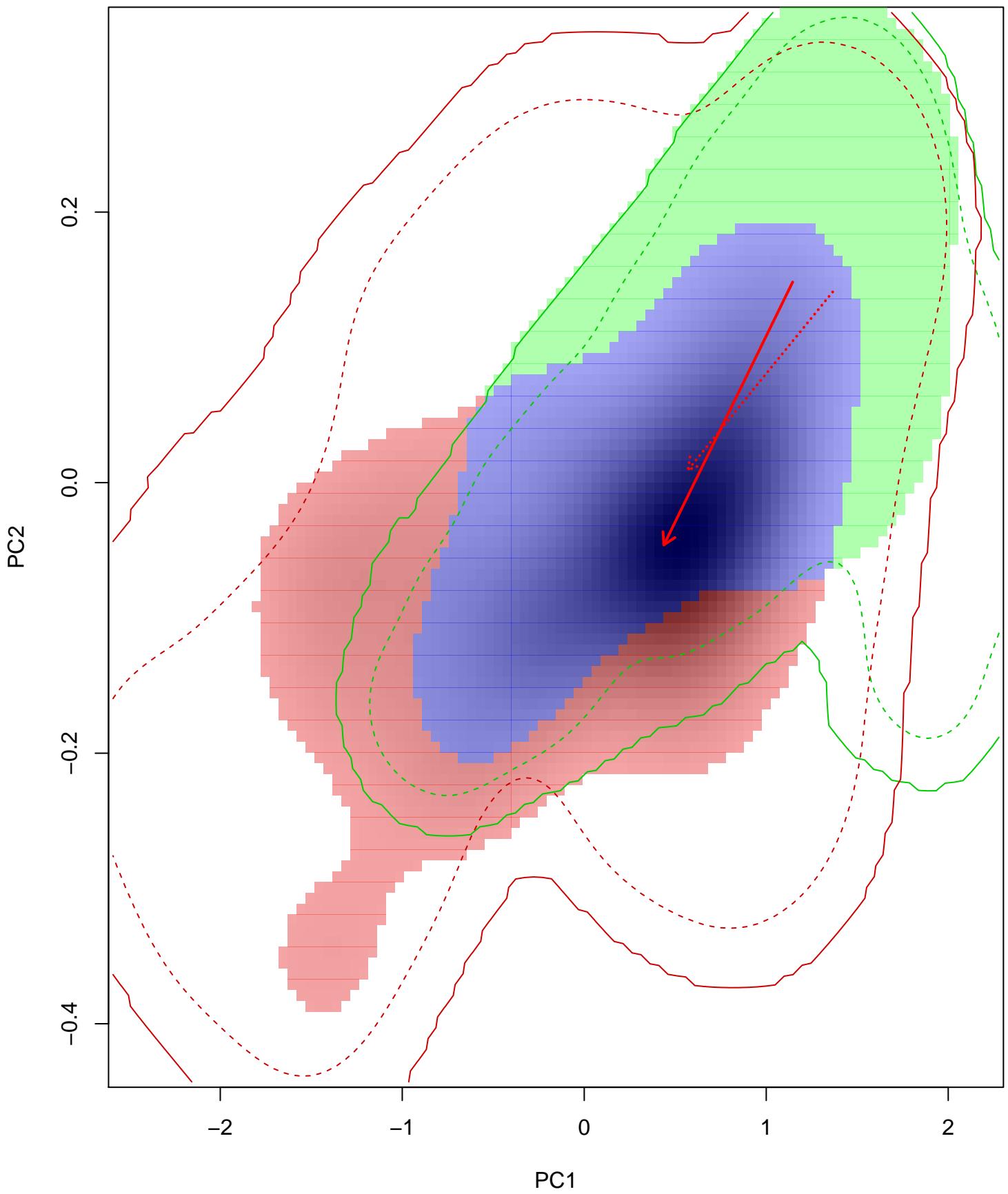
Similarity 2->1



Similarity 1→2

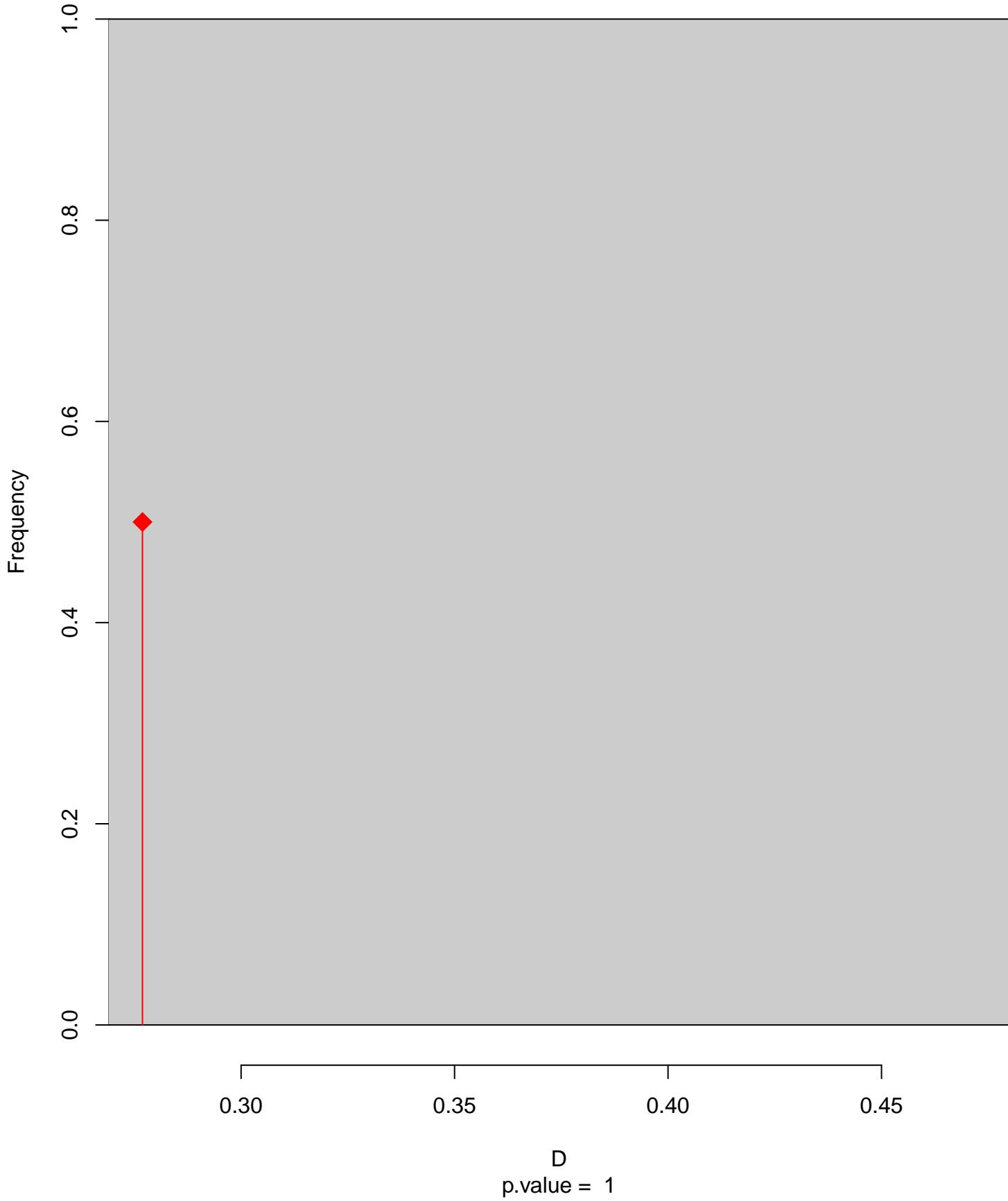


Delichon_nipalense seasonal overlap

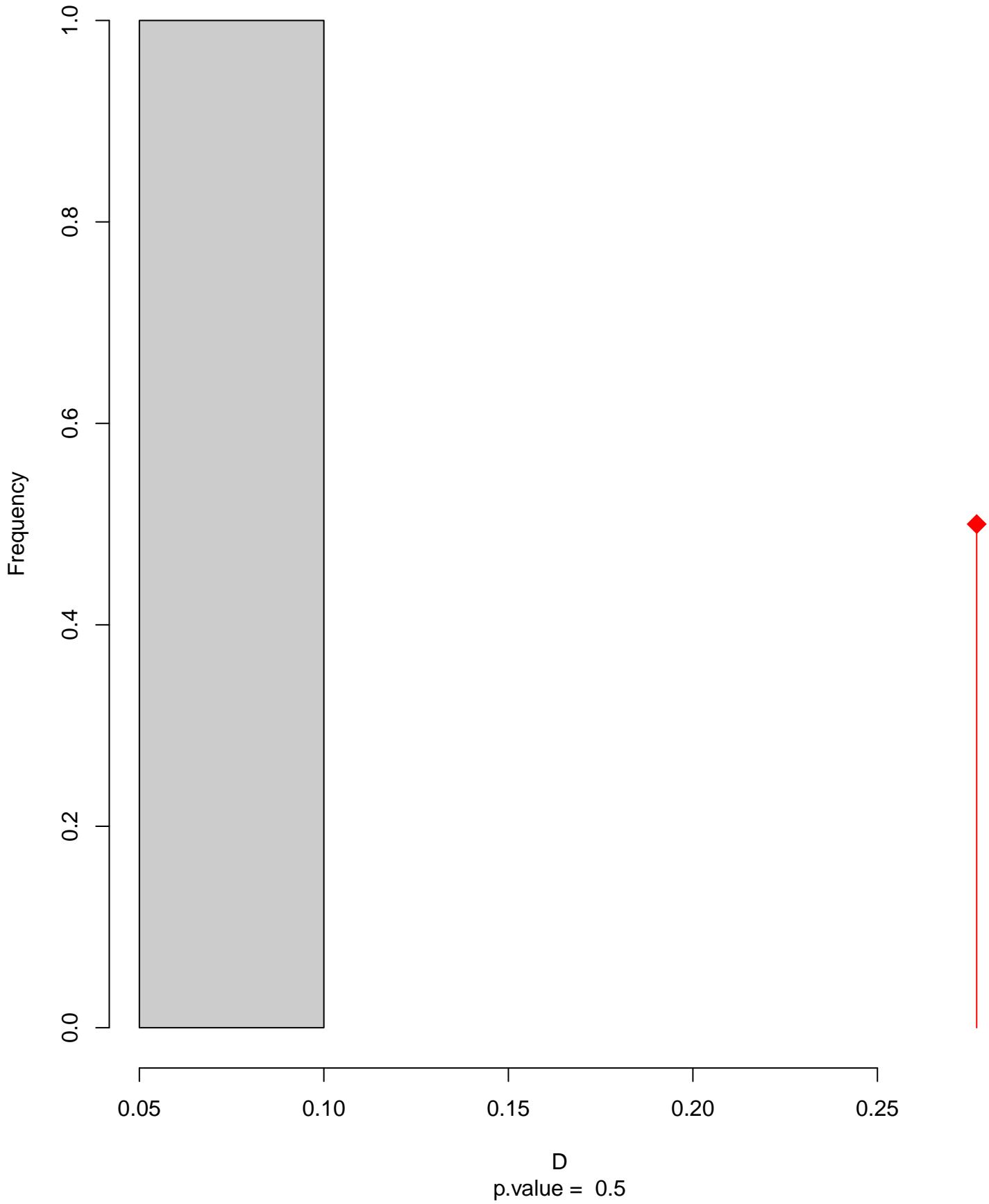


niche overlap:
 $D = 0.277$

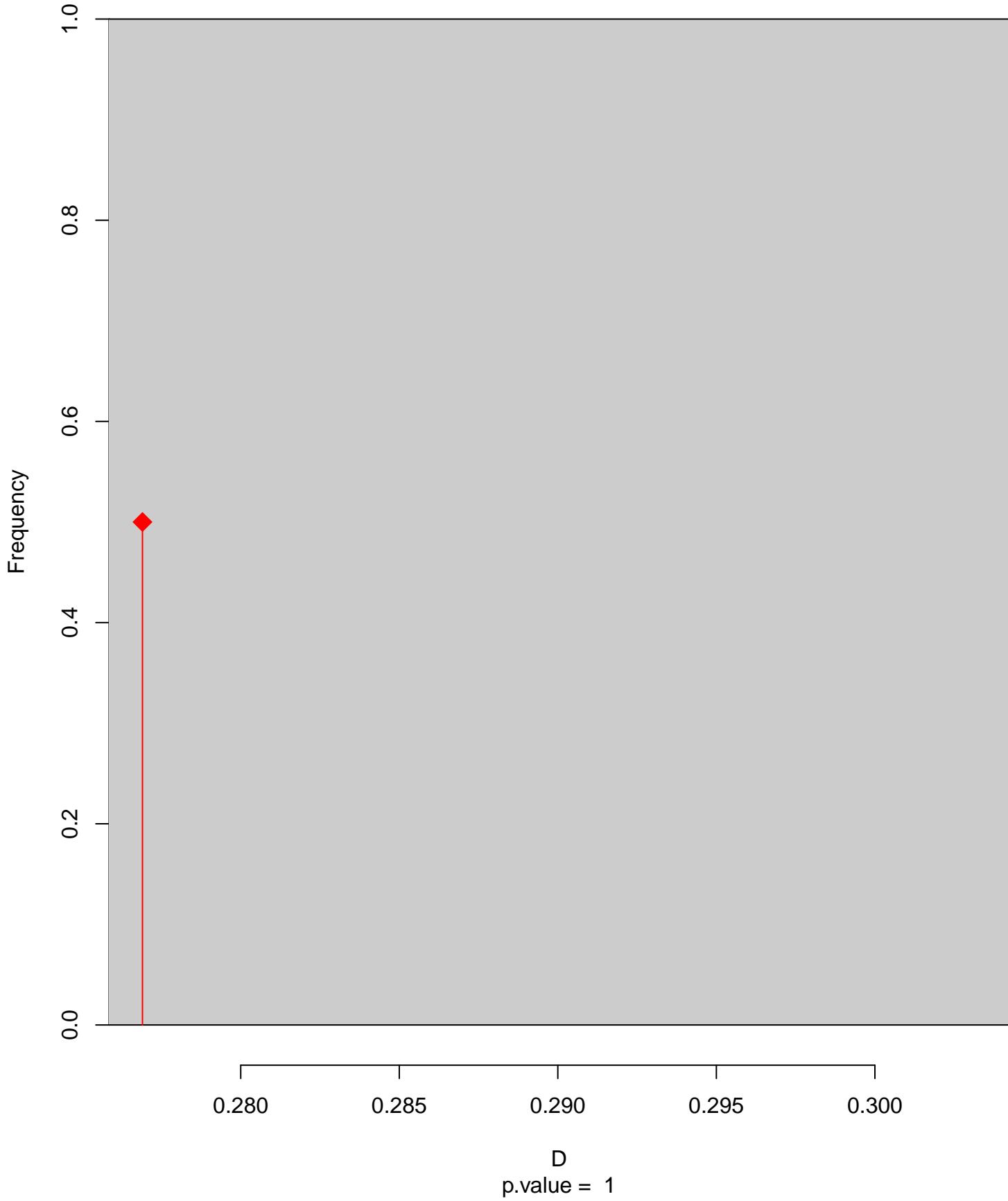
Equivalency



Similarity 2->1

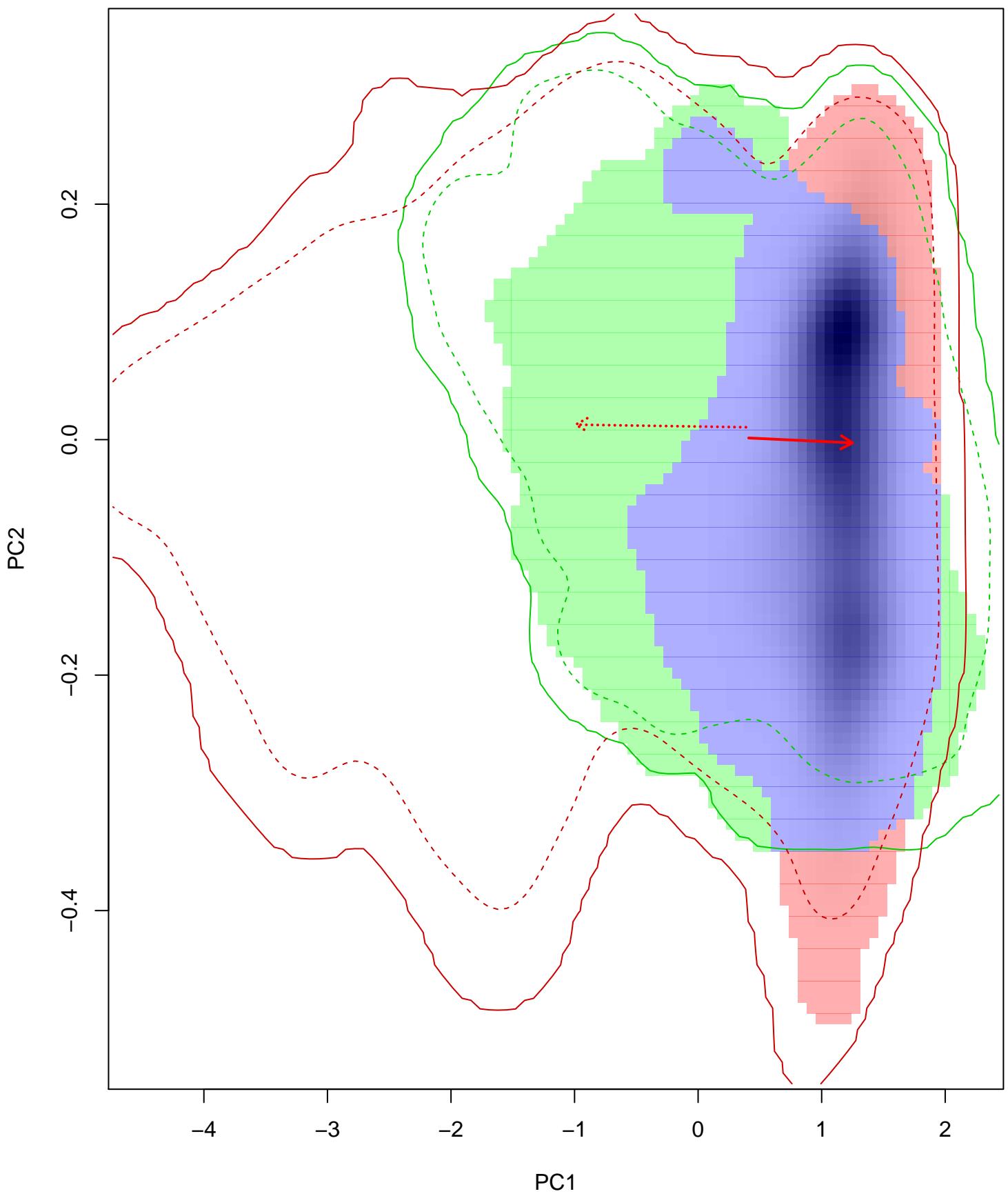


Similarity 1→2



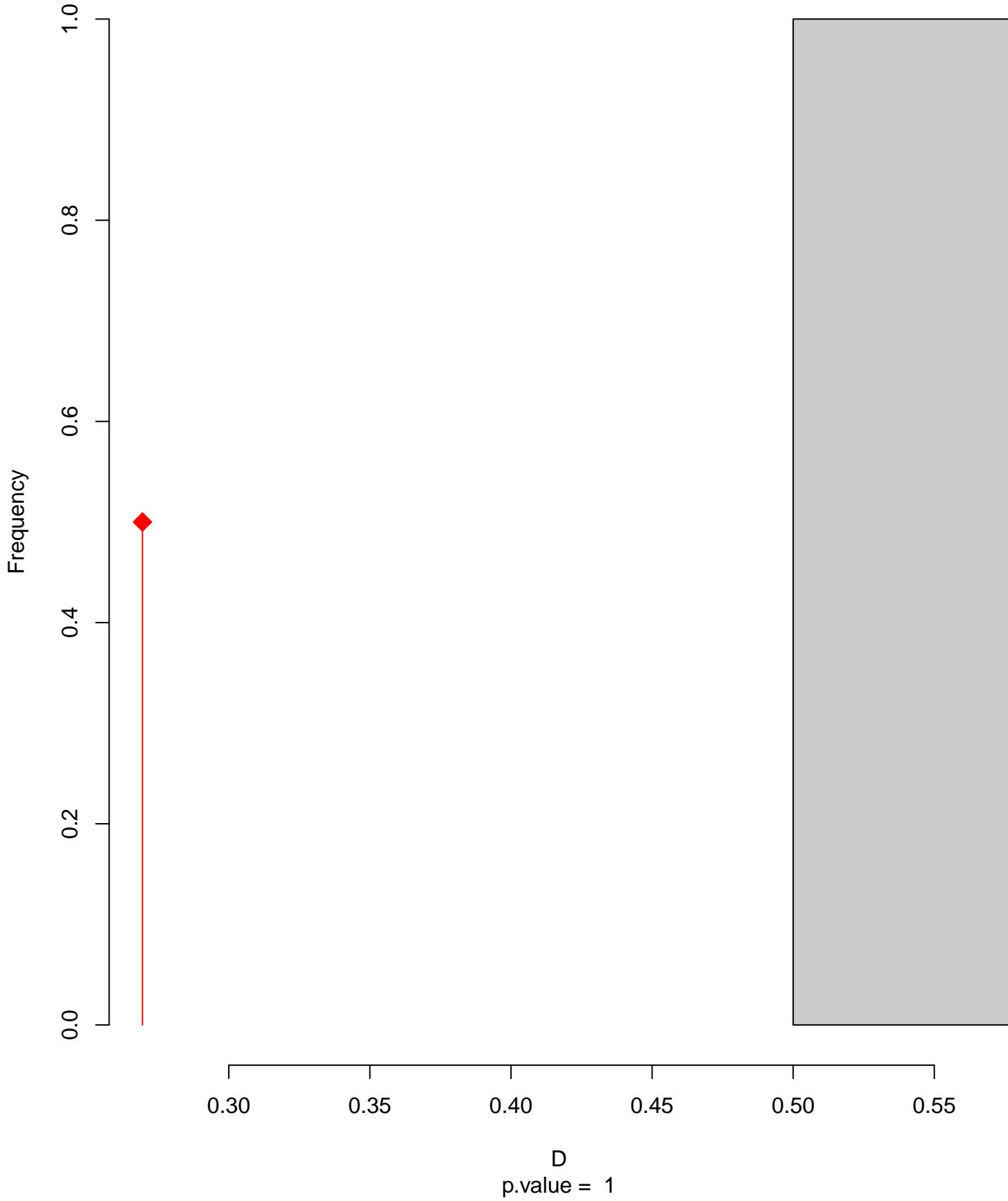
D
p.value = 1

Delichon_urbicum seasonal overlap



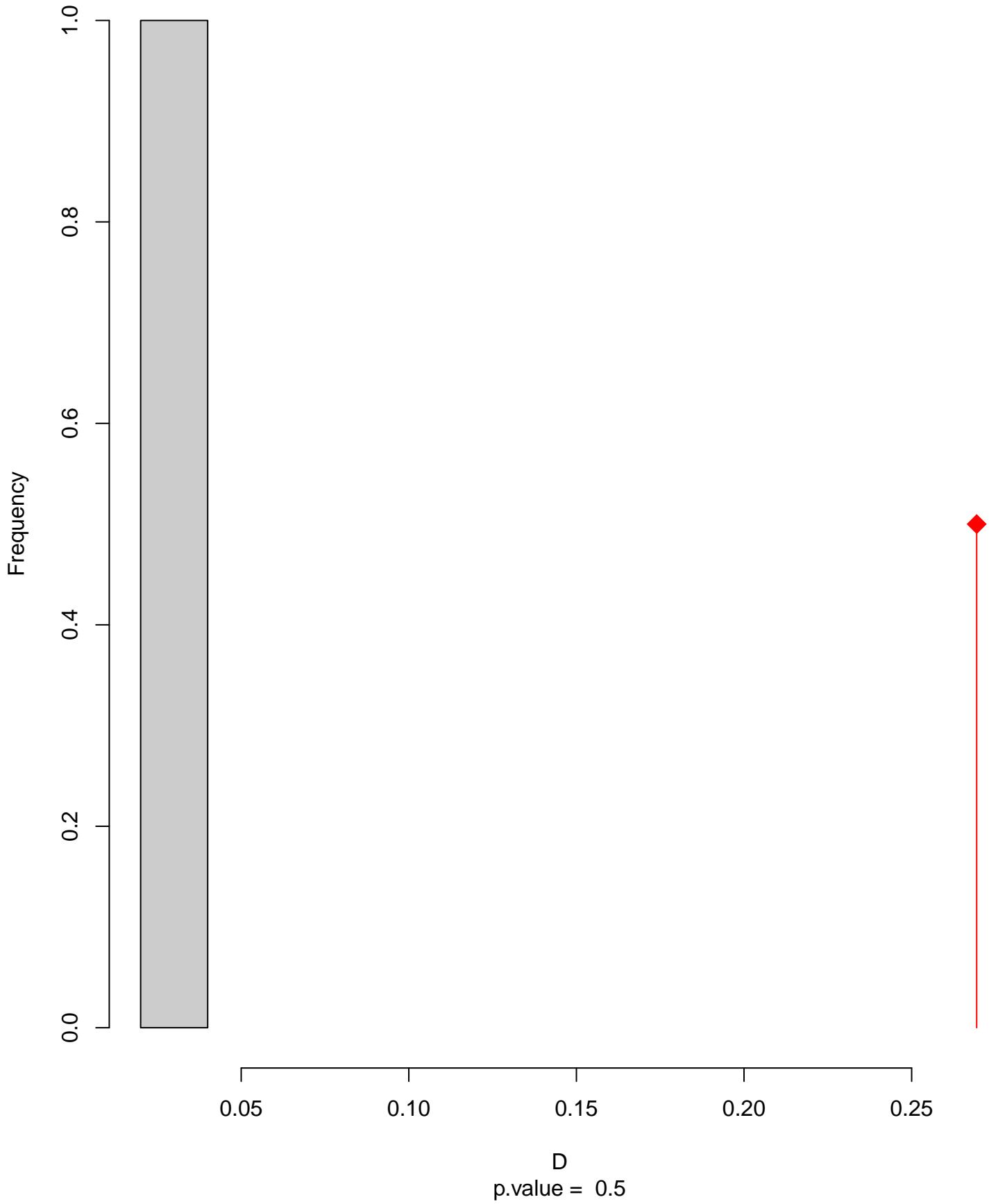
niche overlap:
 $D = 0.269$

Equivalency

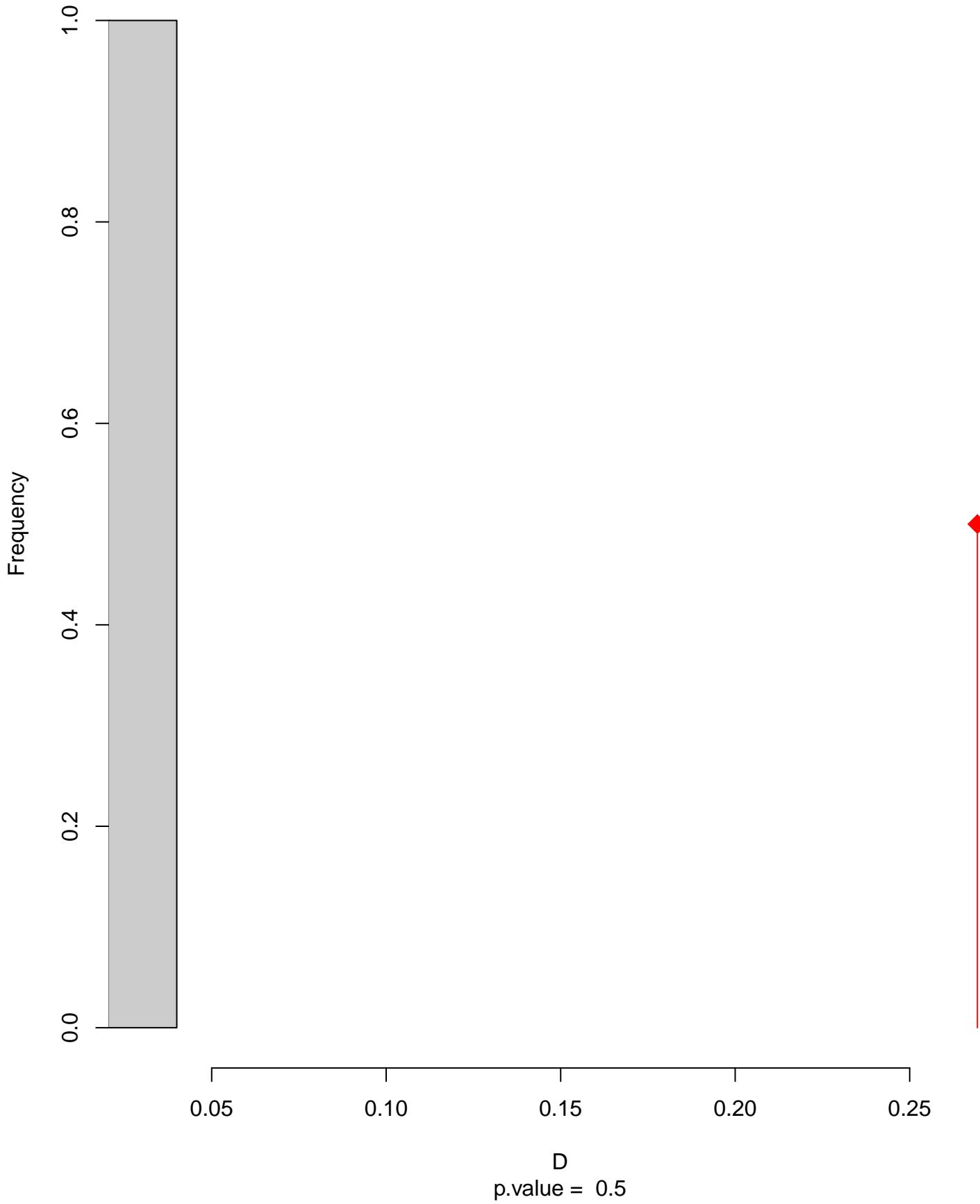


D
p.value = 1

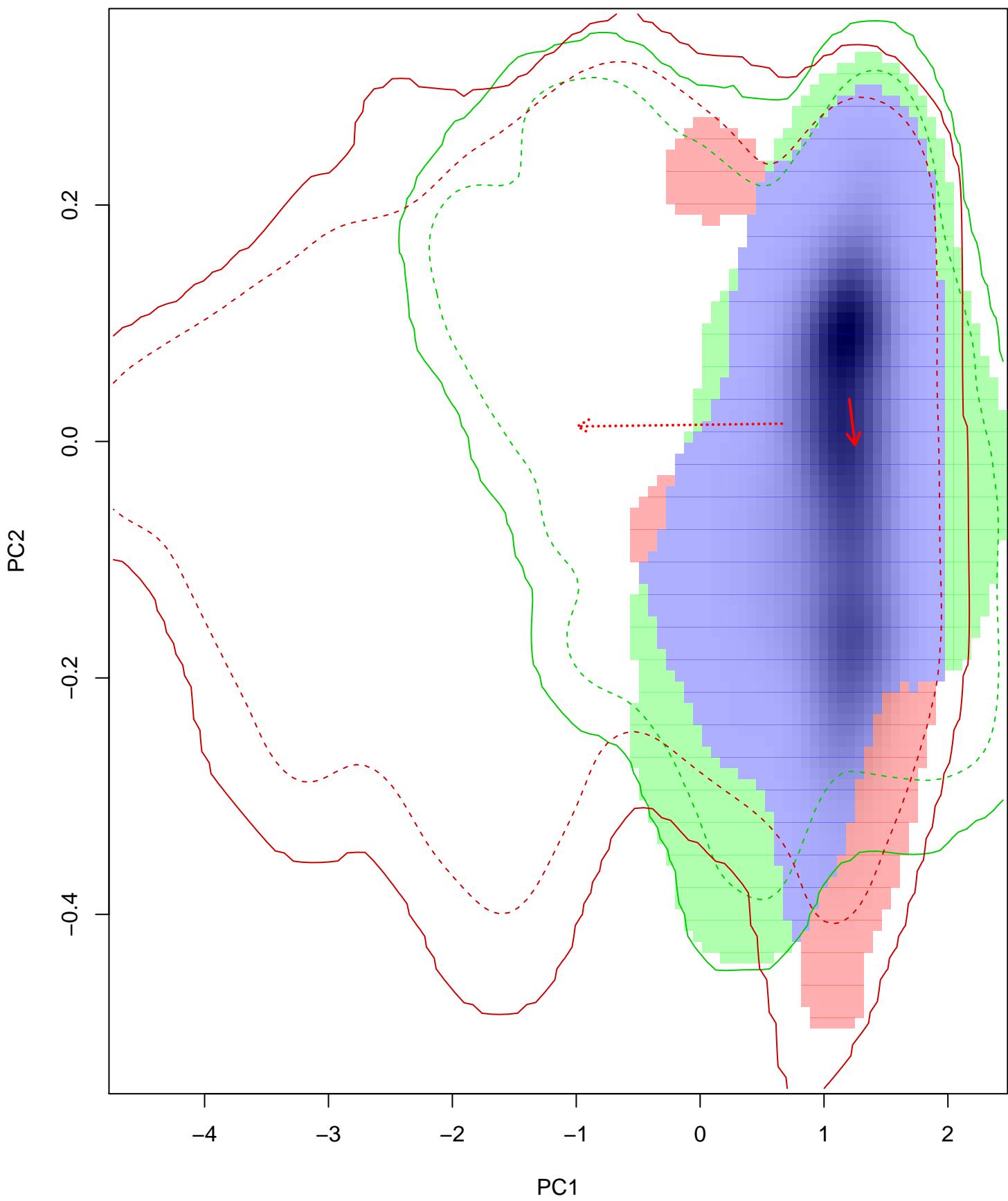
Similarity 2->1



Similarity 1→2

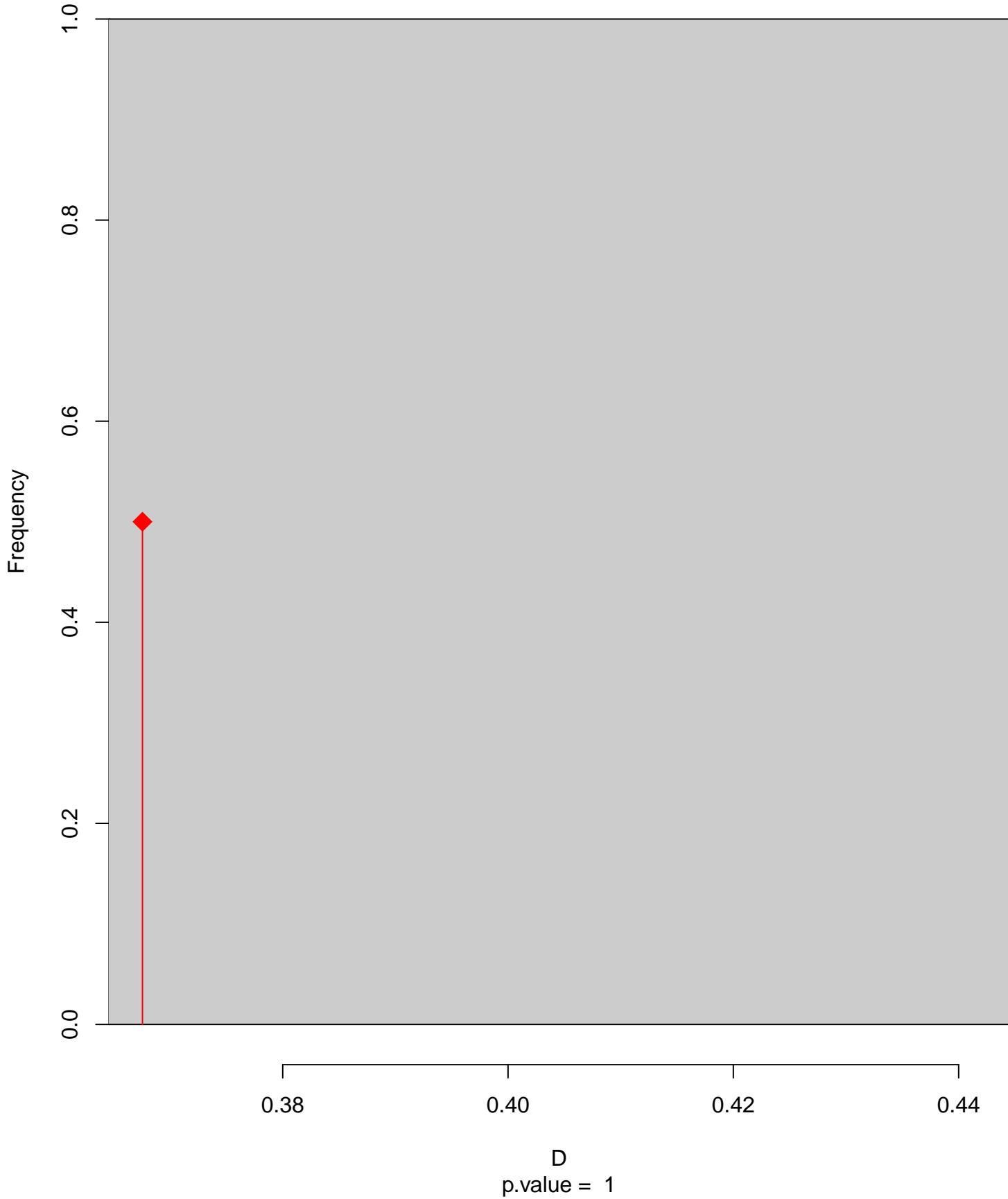


Delichon urbicum seasonal overlap-hypo.br

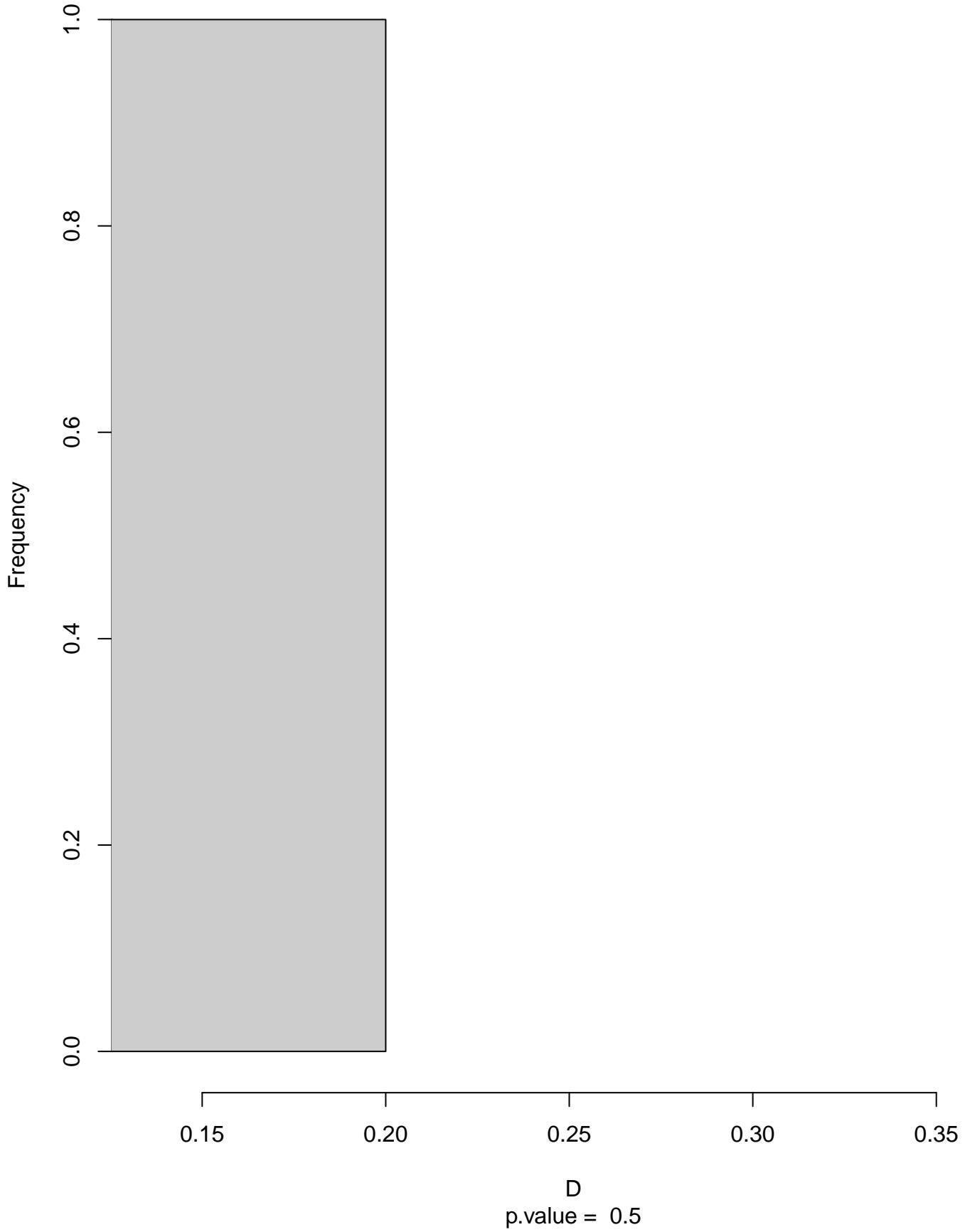


niche overlap:
 $D = 0.368$

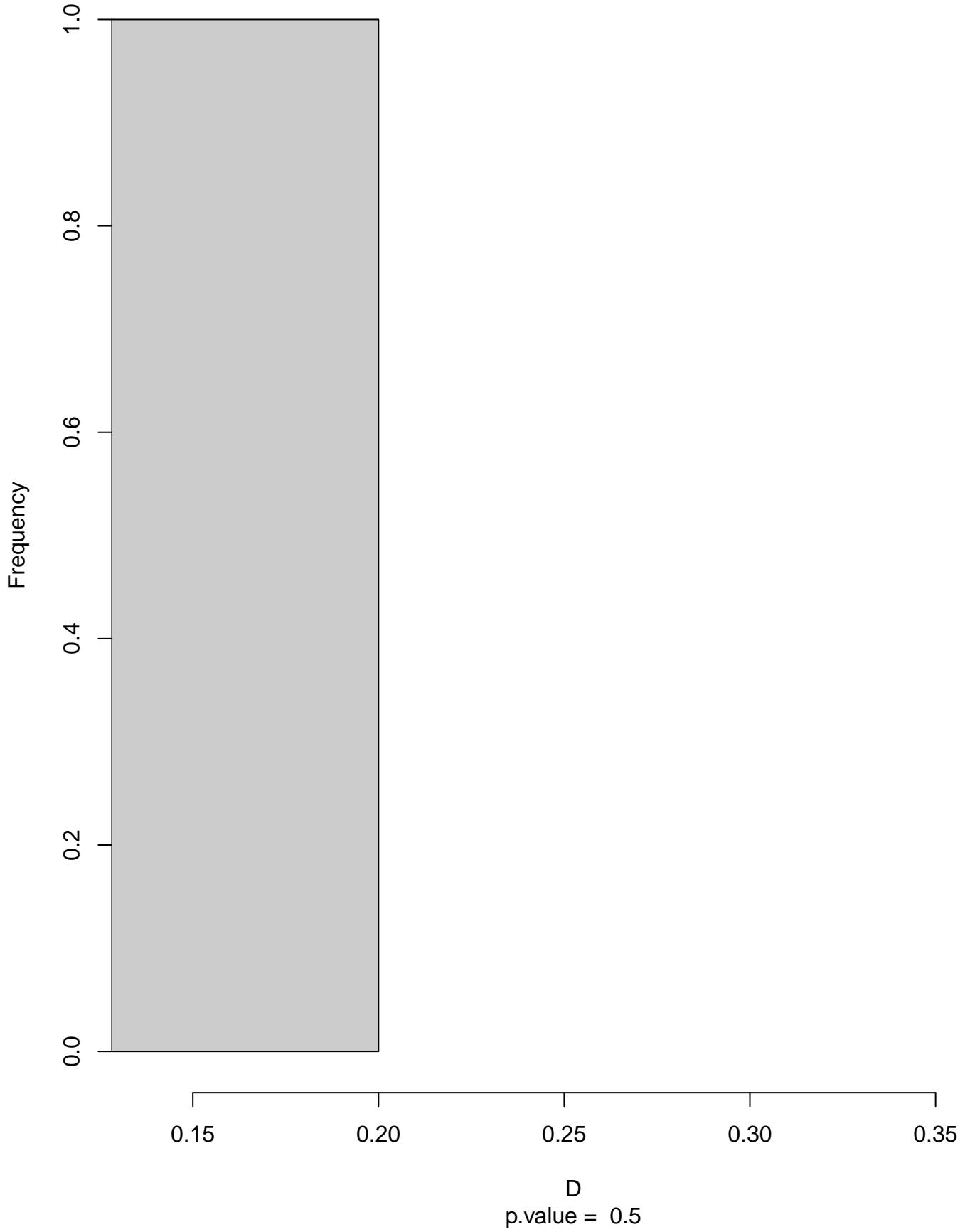
Equivalency



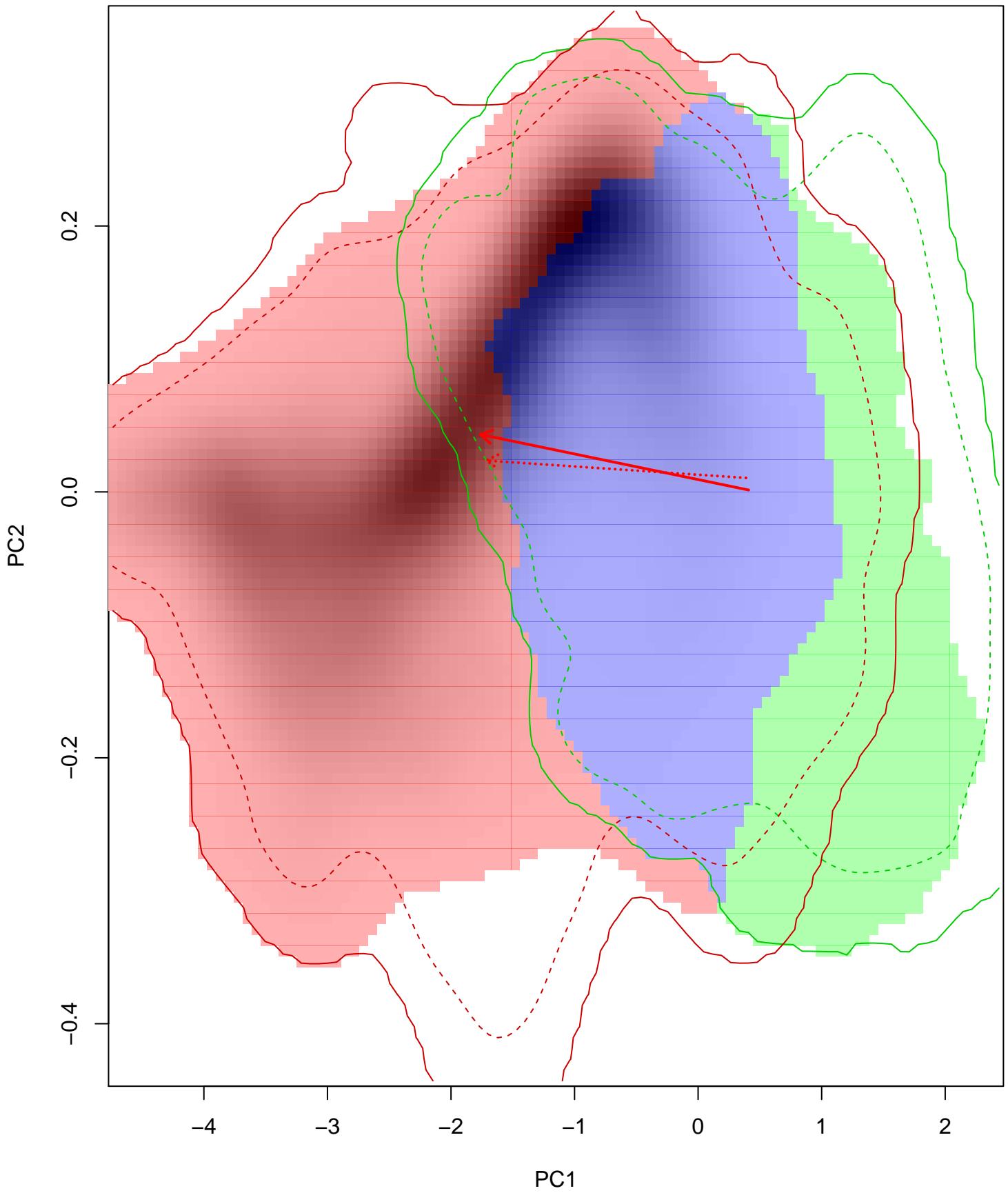
Similarity 2->1



Similarity 1→2

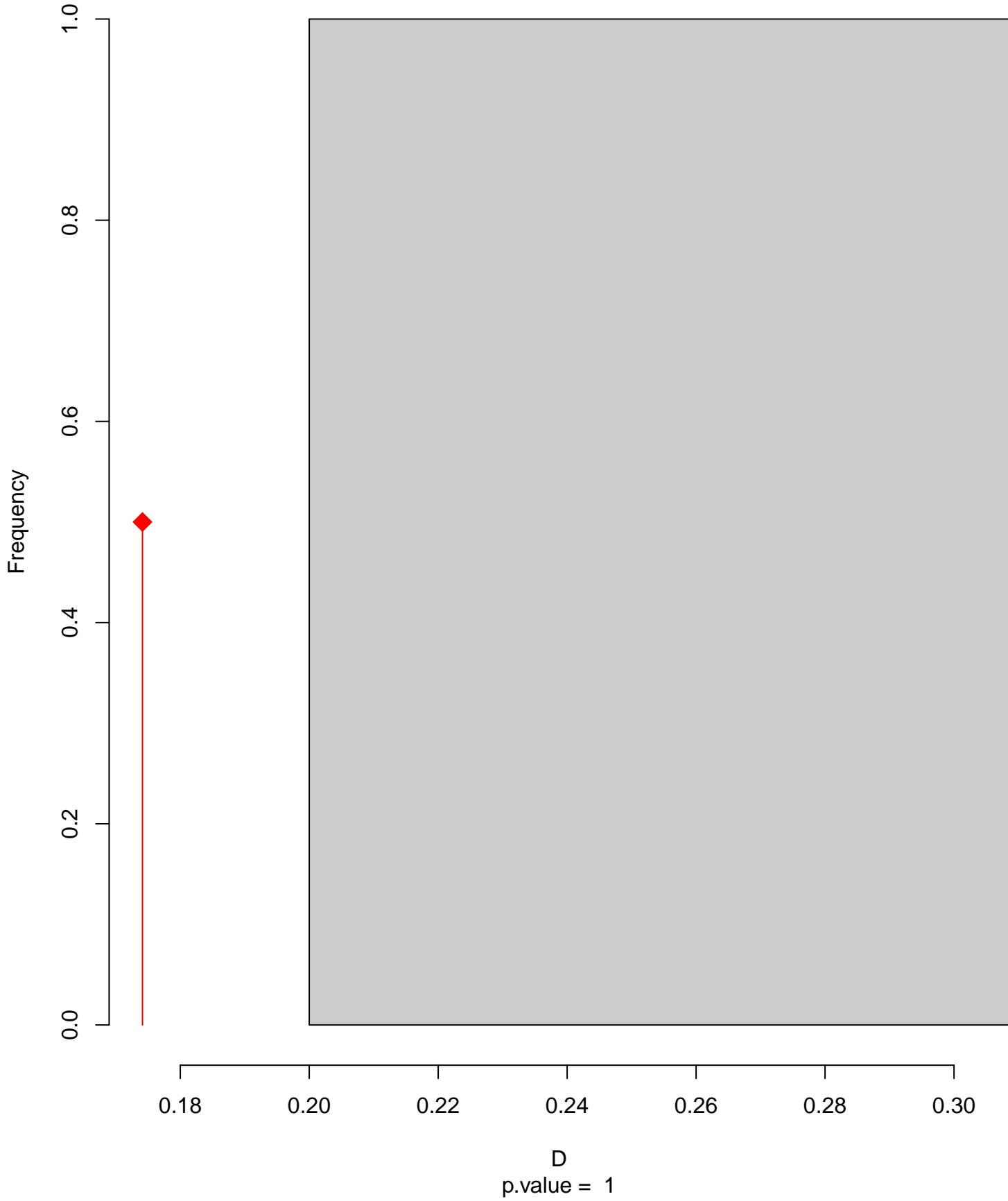


Delichon urbicum seasonal overlap–hypo wi

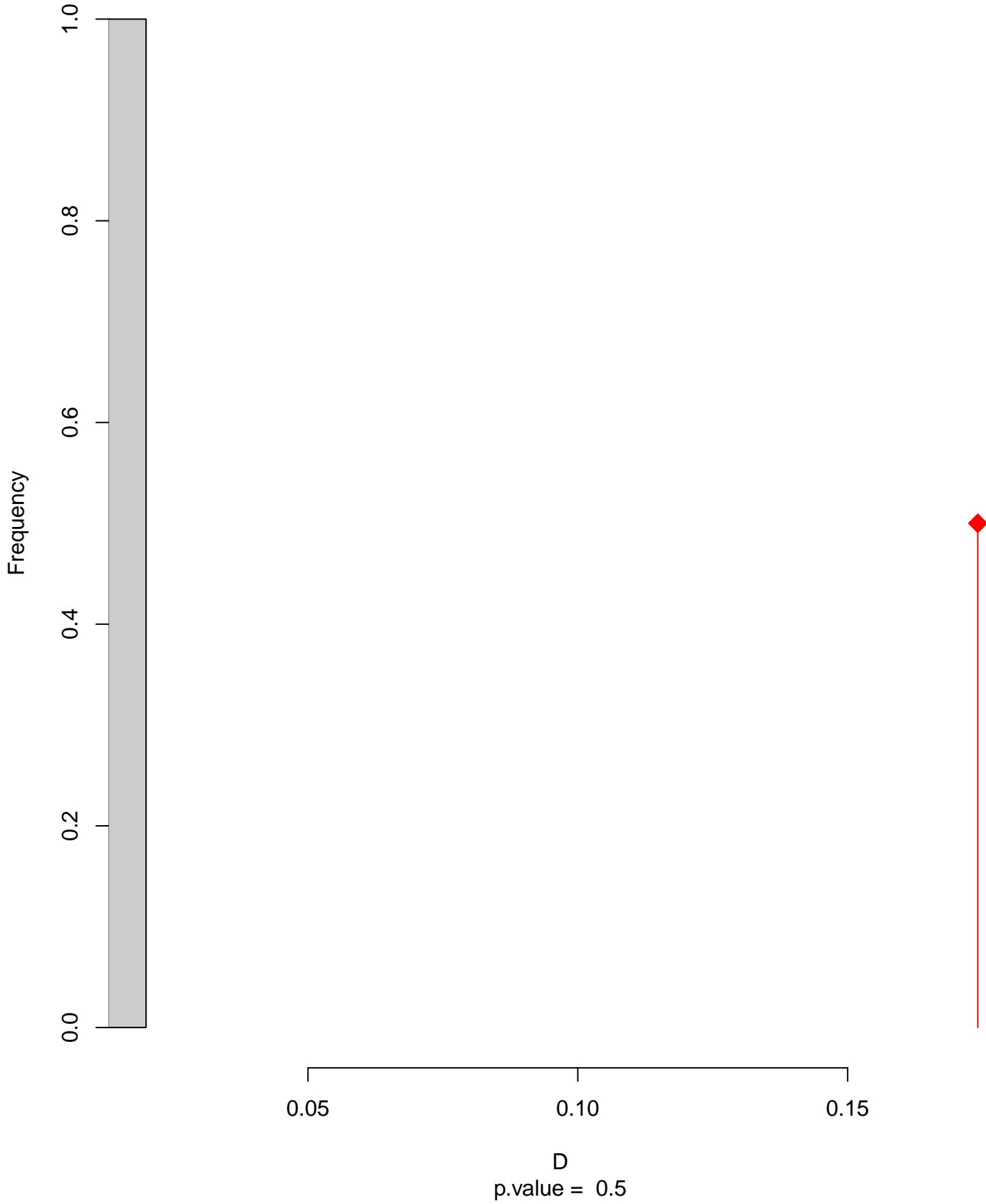


niche overlap:
 $D= 0.174$

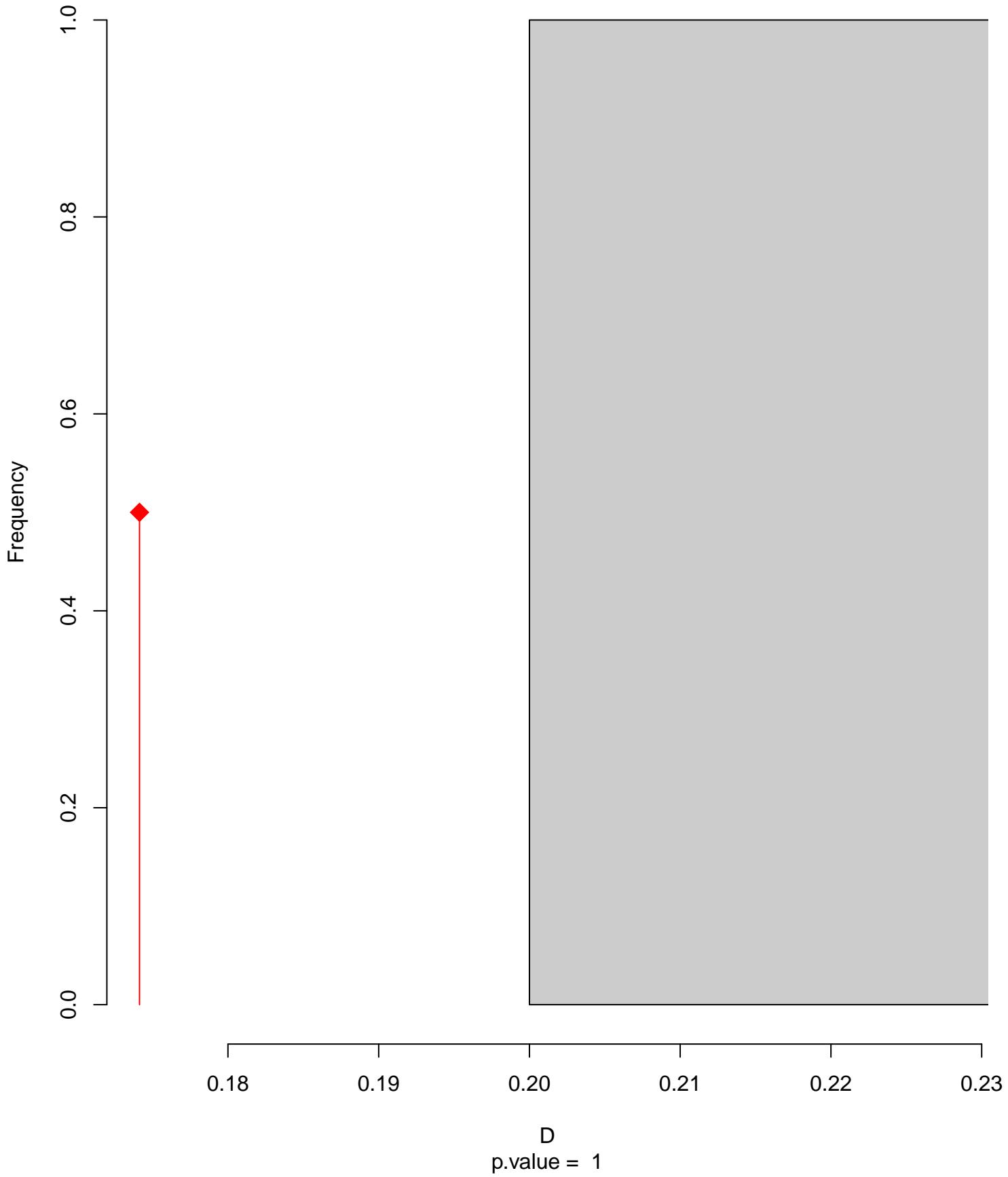
Equivalency



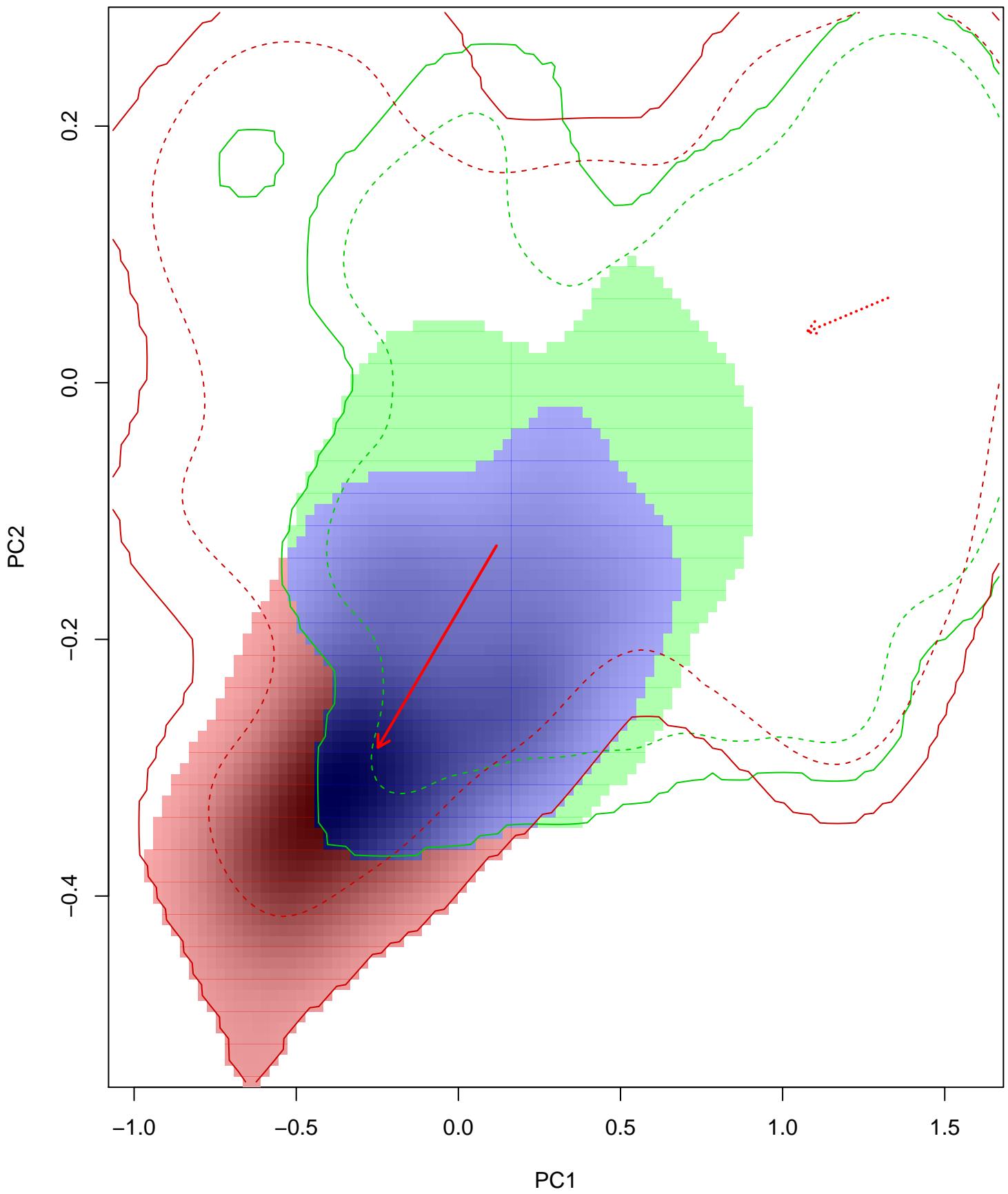
Similarity 2->1



Similarity 1→2

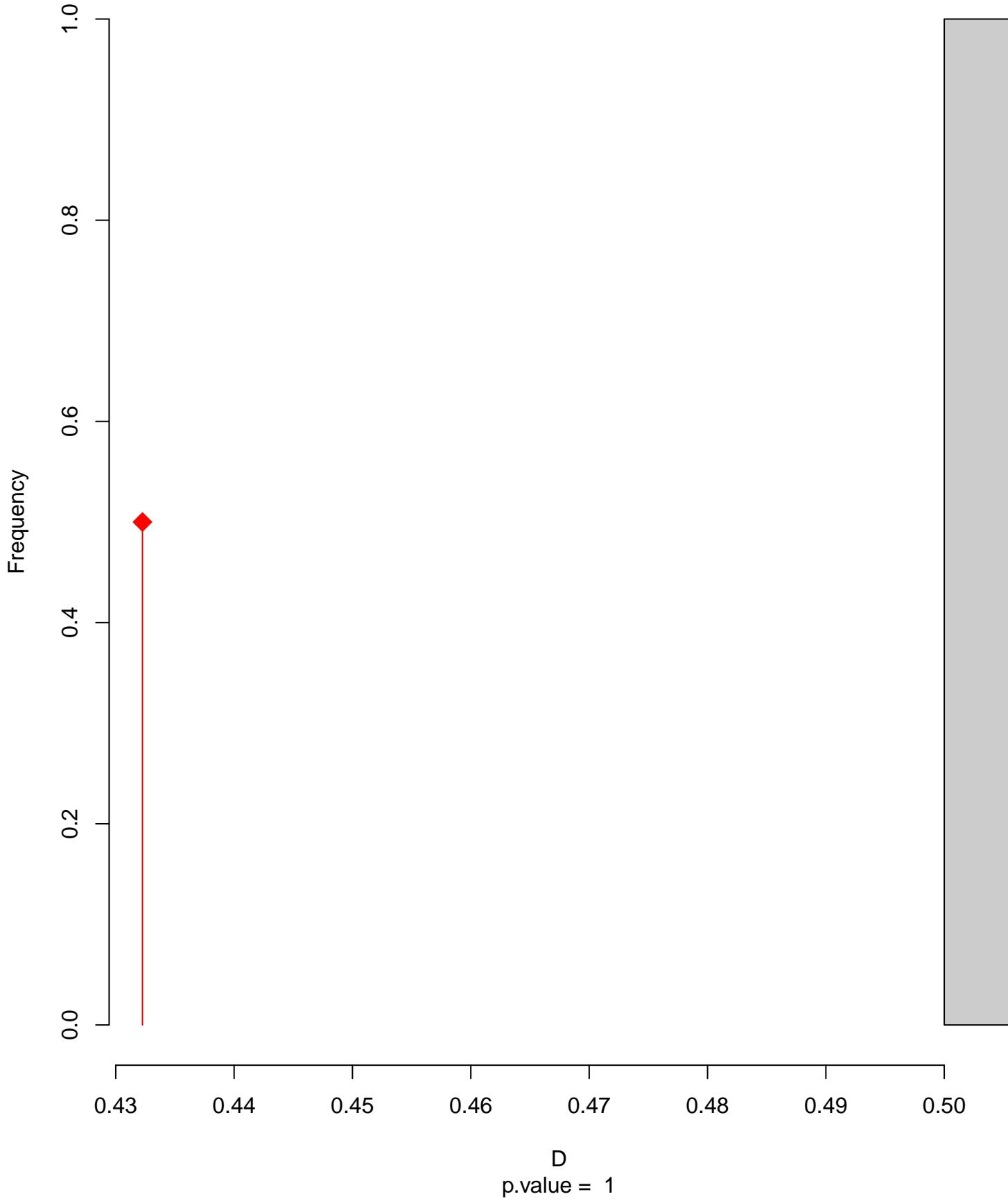


Haplochelidon_andecola seasonal overlap

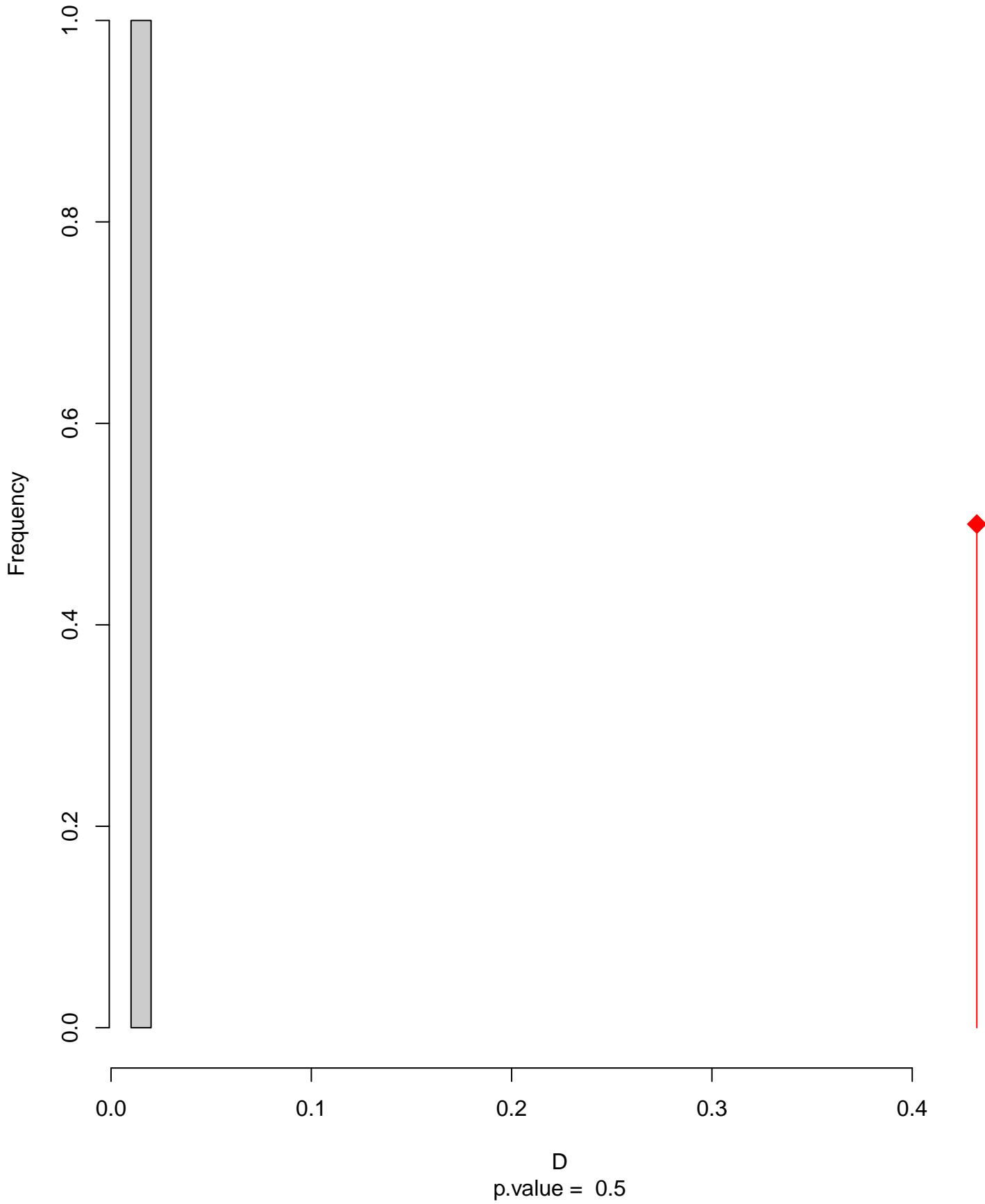


niche overlap:
 $D = 0.432$

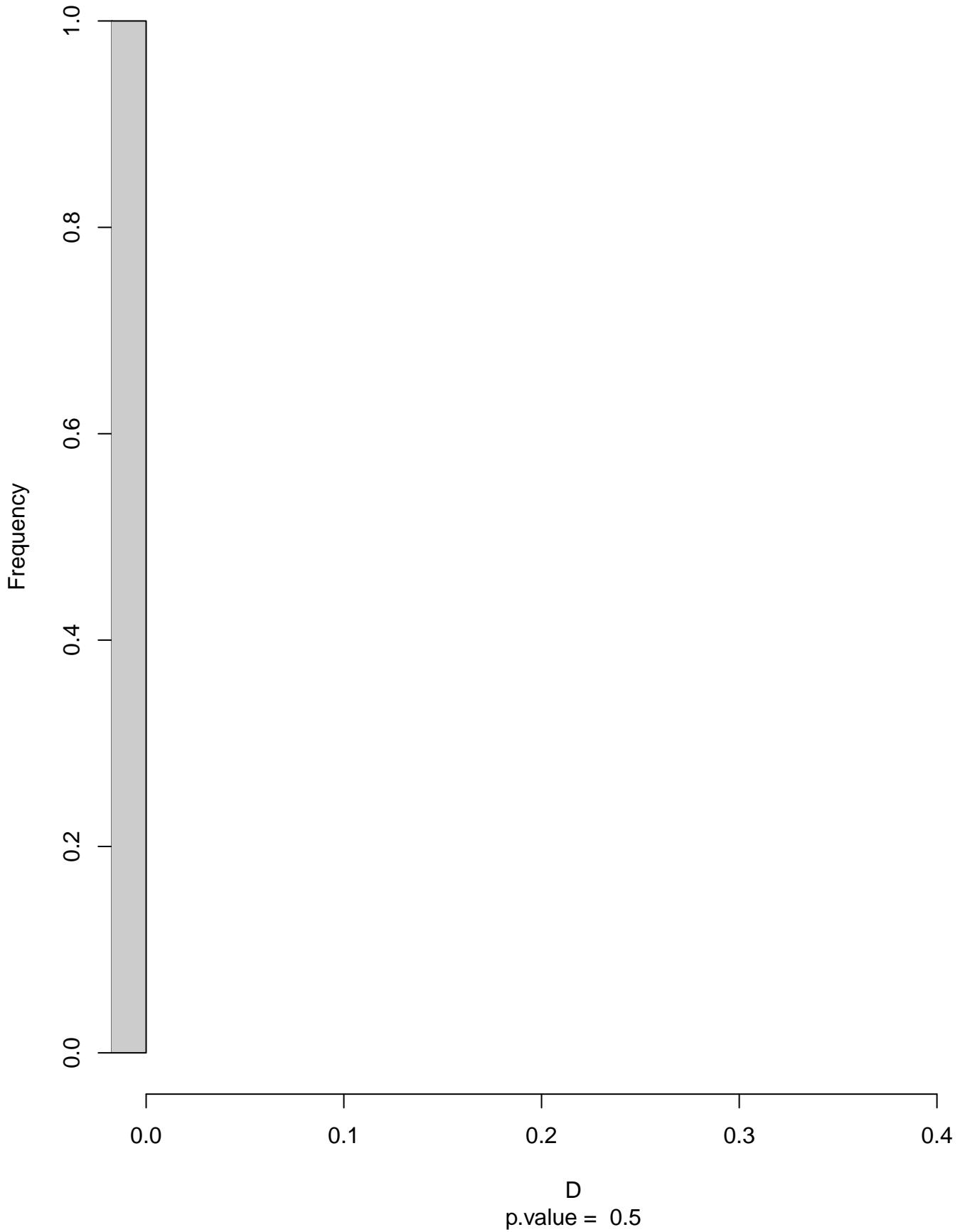
Equivalency



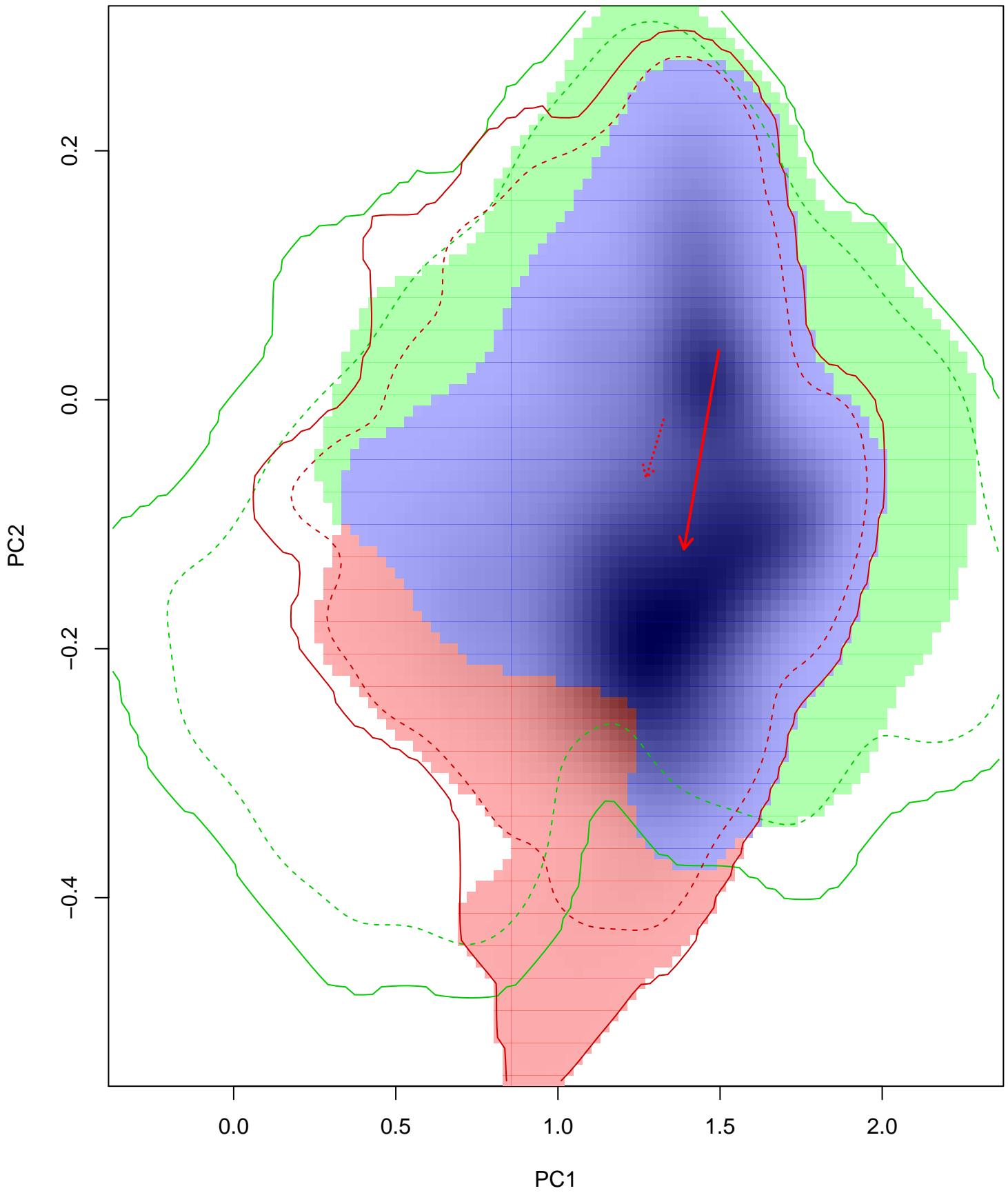
Similarity 2->1



Similarity 1→2

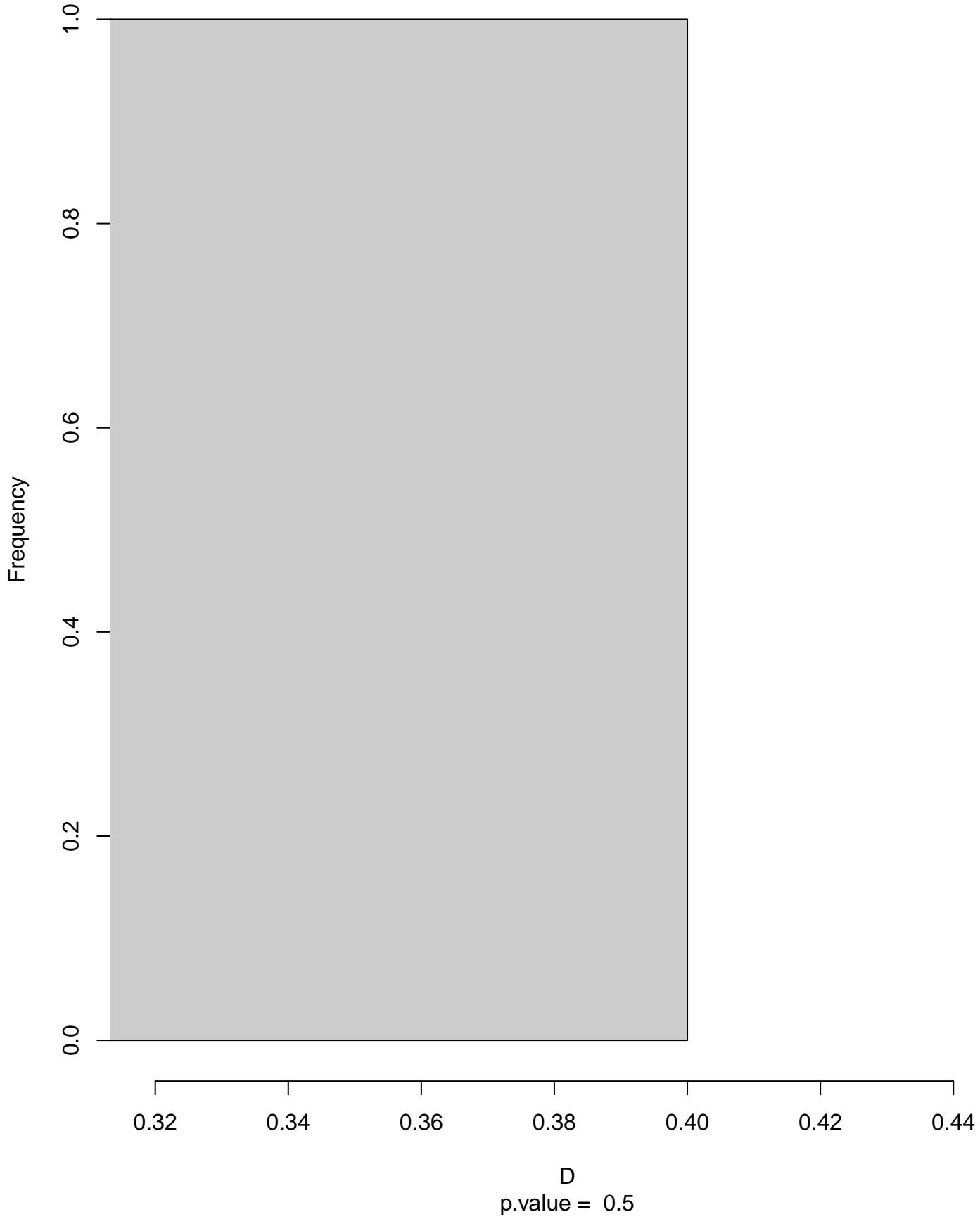


Hirundo_aethiopica seasonal overlap

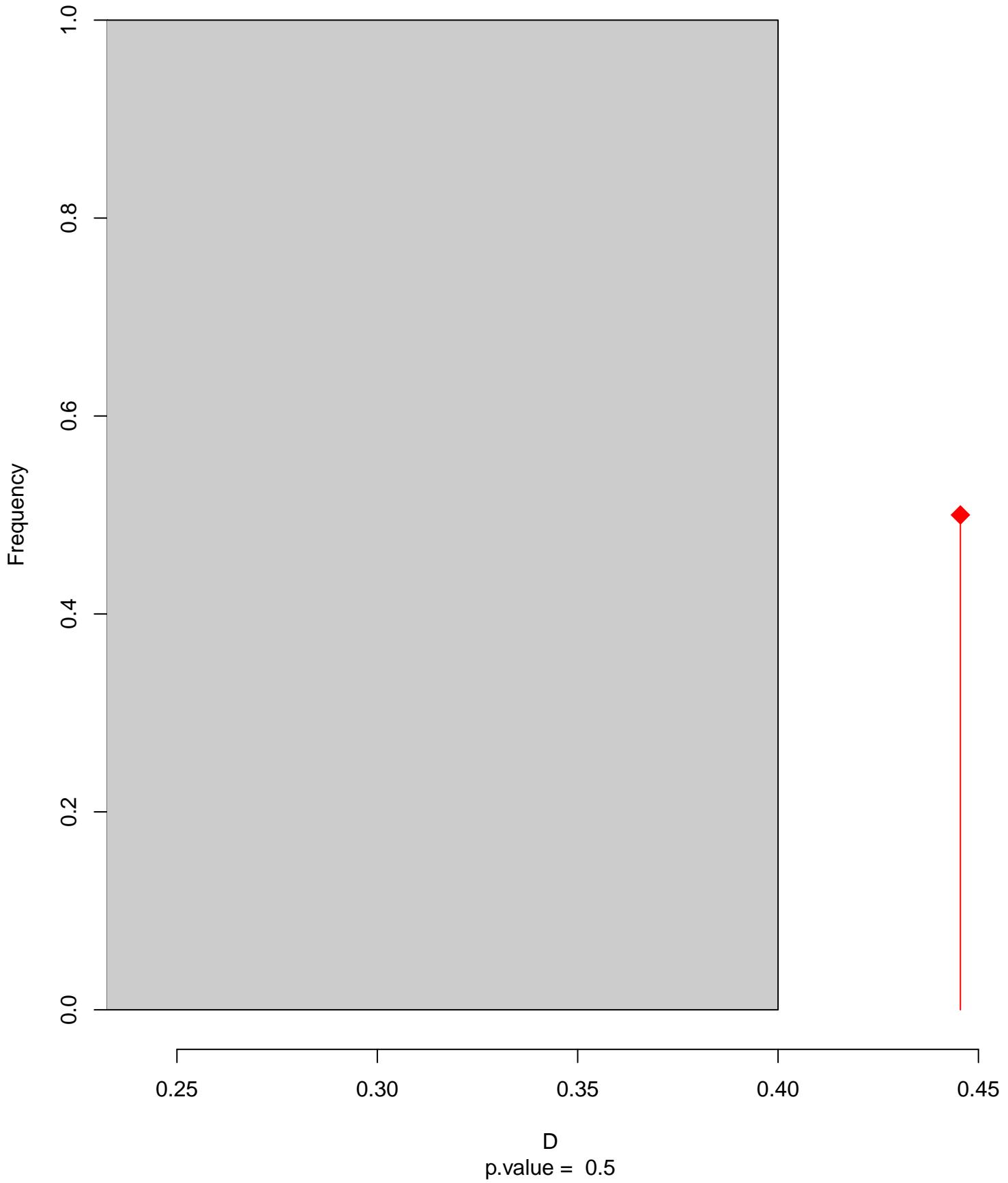


niche overlap:
 $D = 0.446$

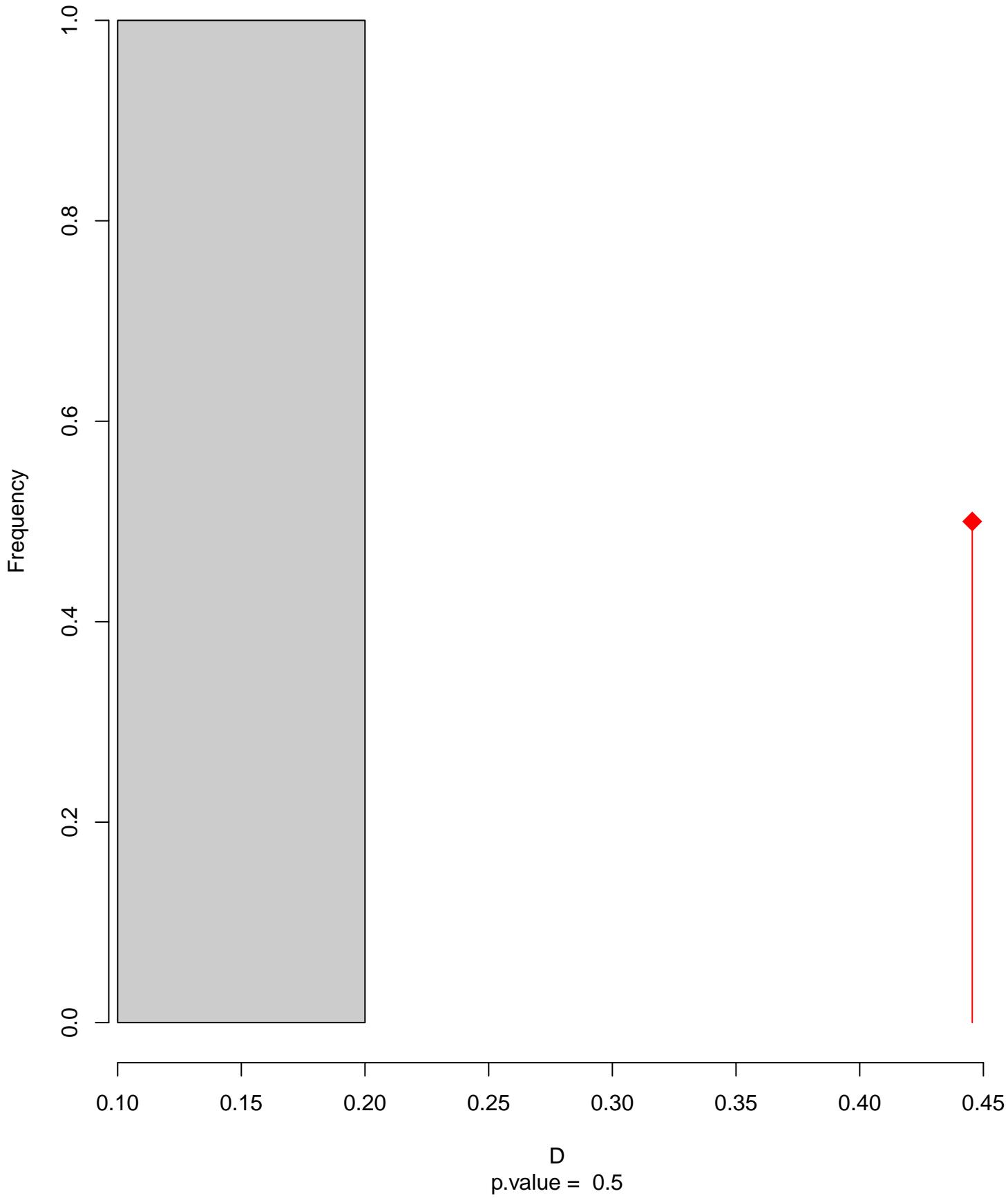
Equivalency



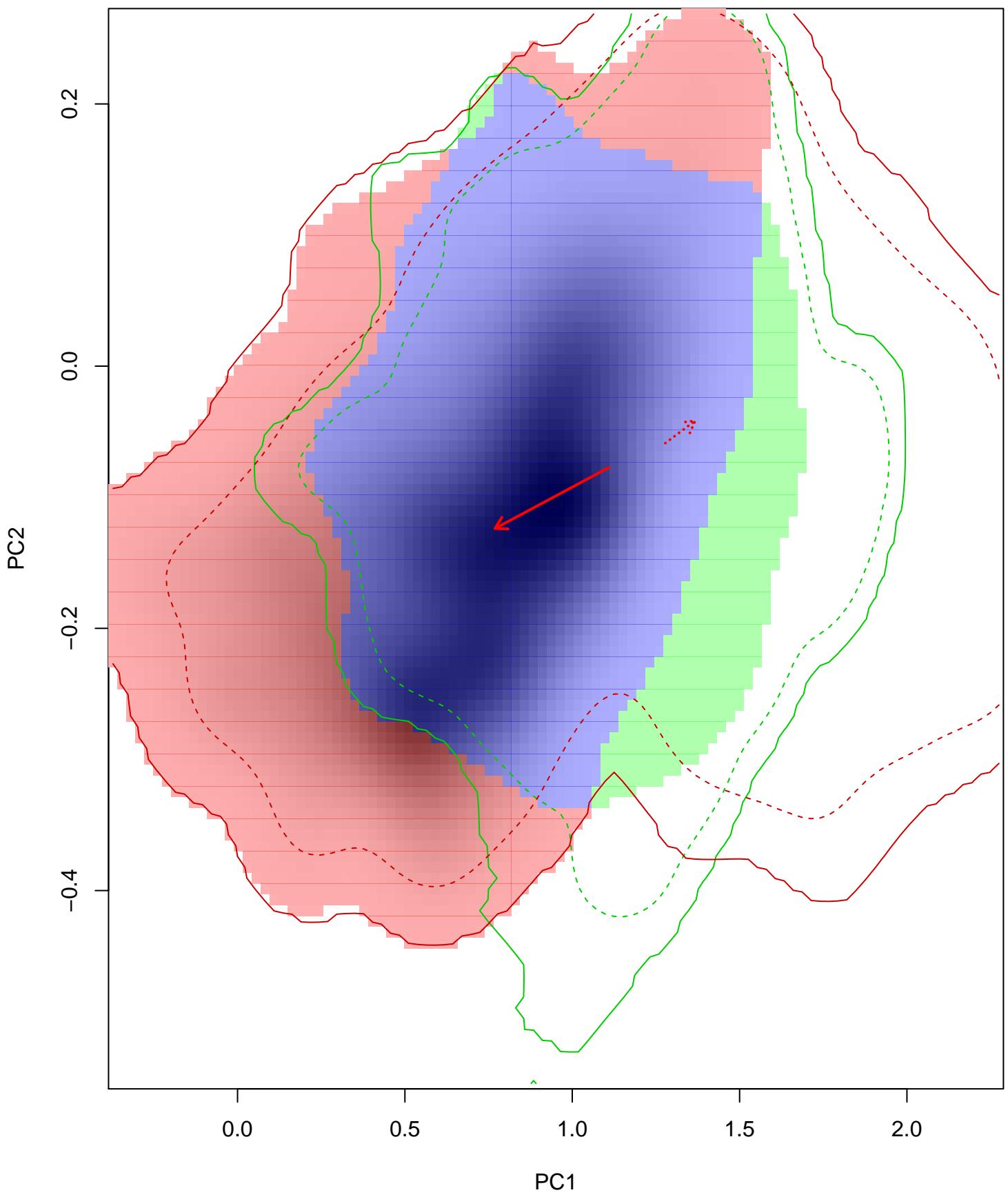
Similarity 2->1



Similarity 1→2

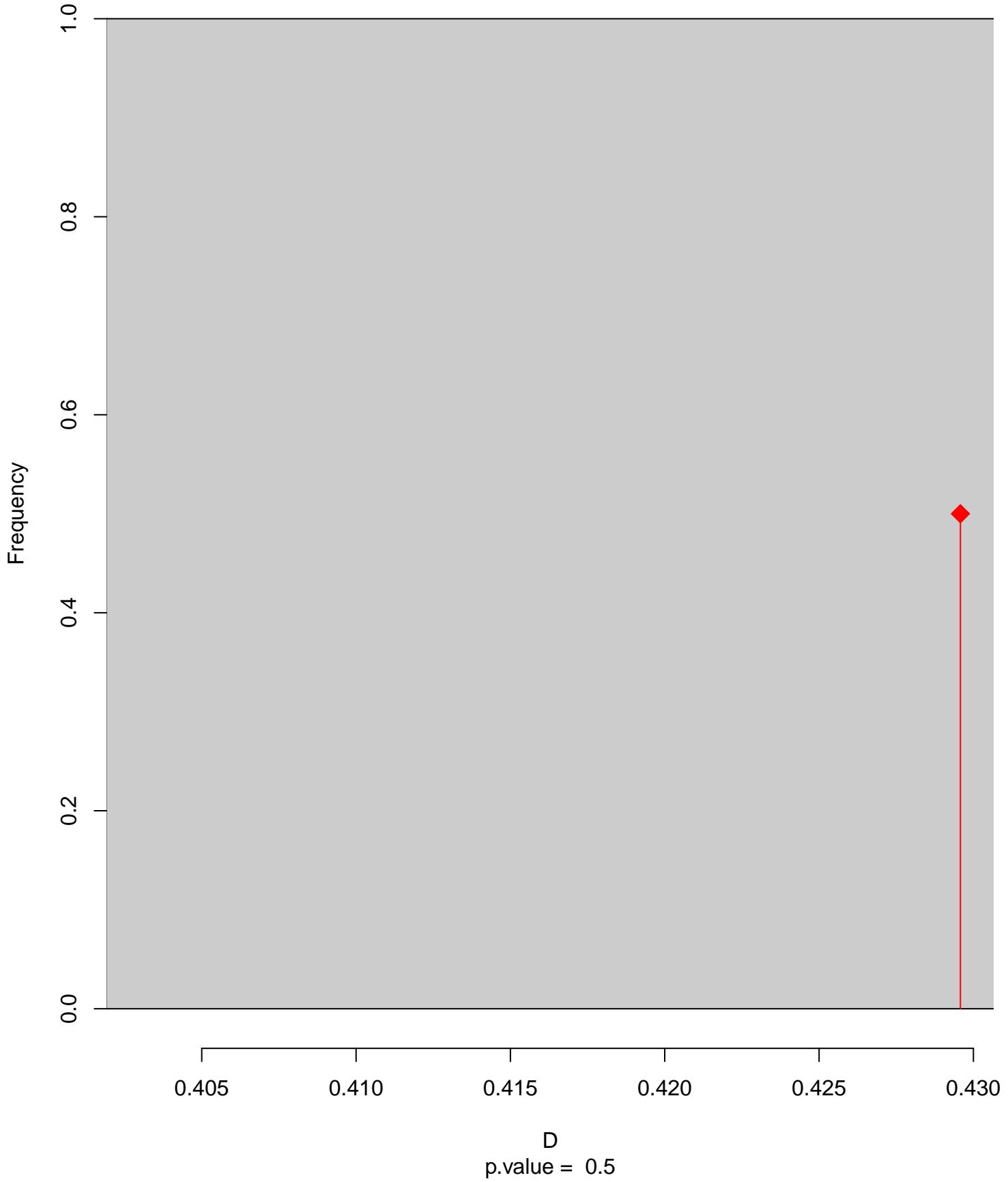


Hirundo_albigularis seasonal overlap

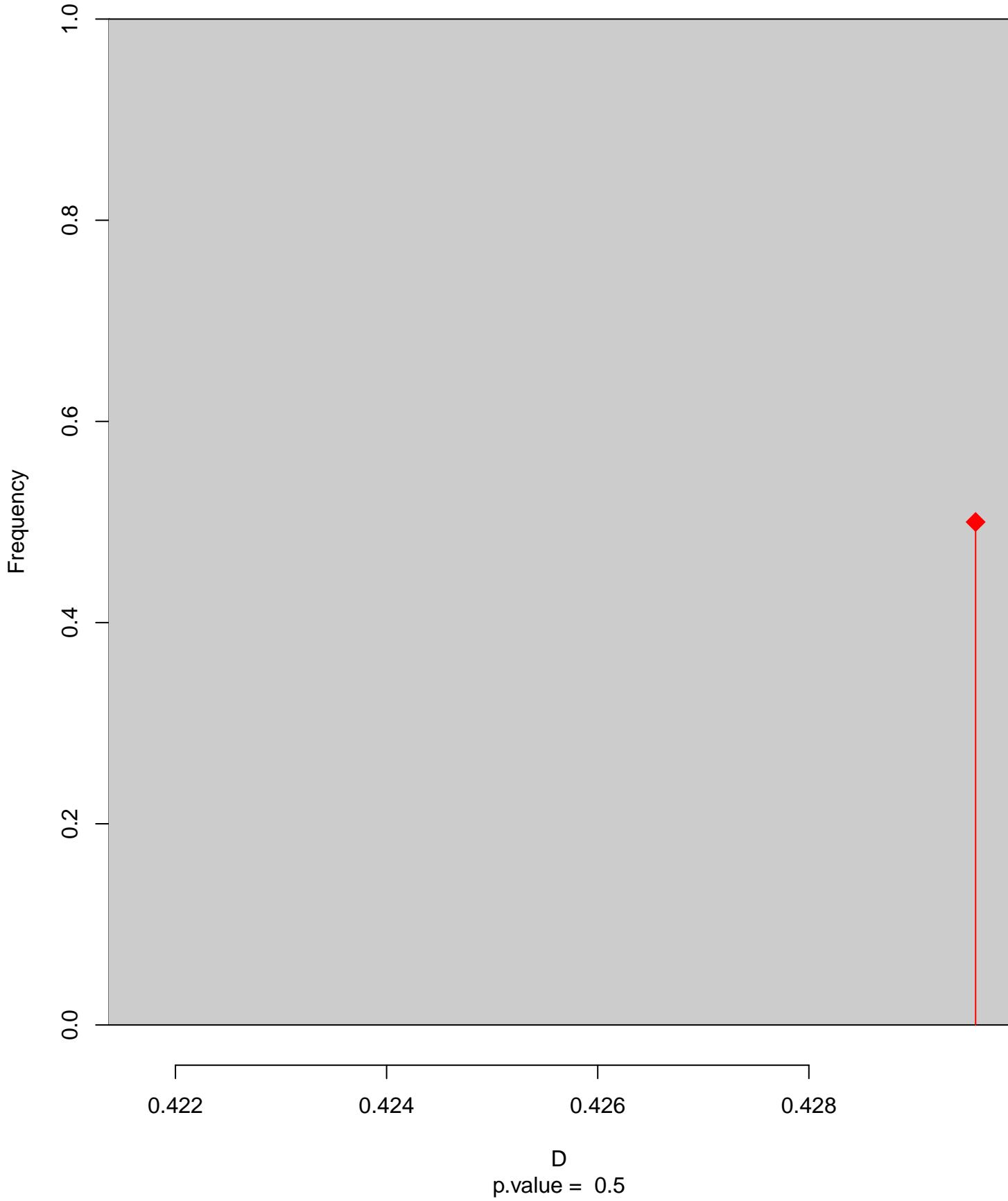


niche overlap:
 $D = 0.43$

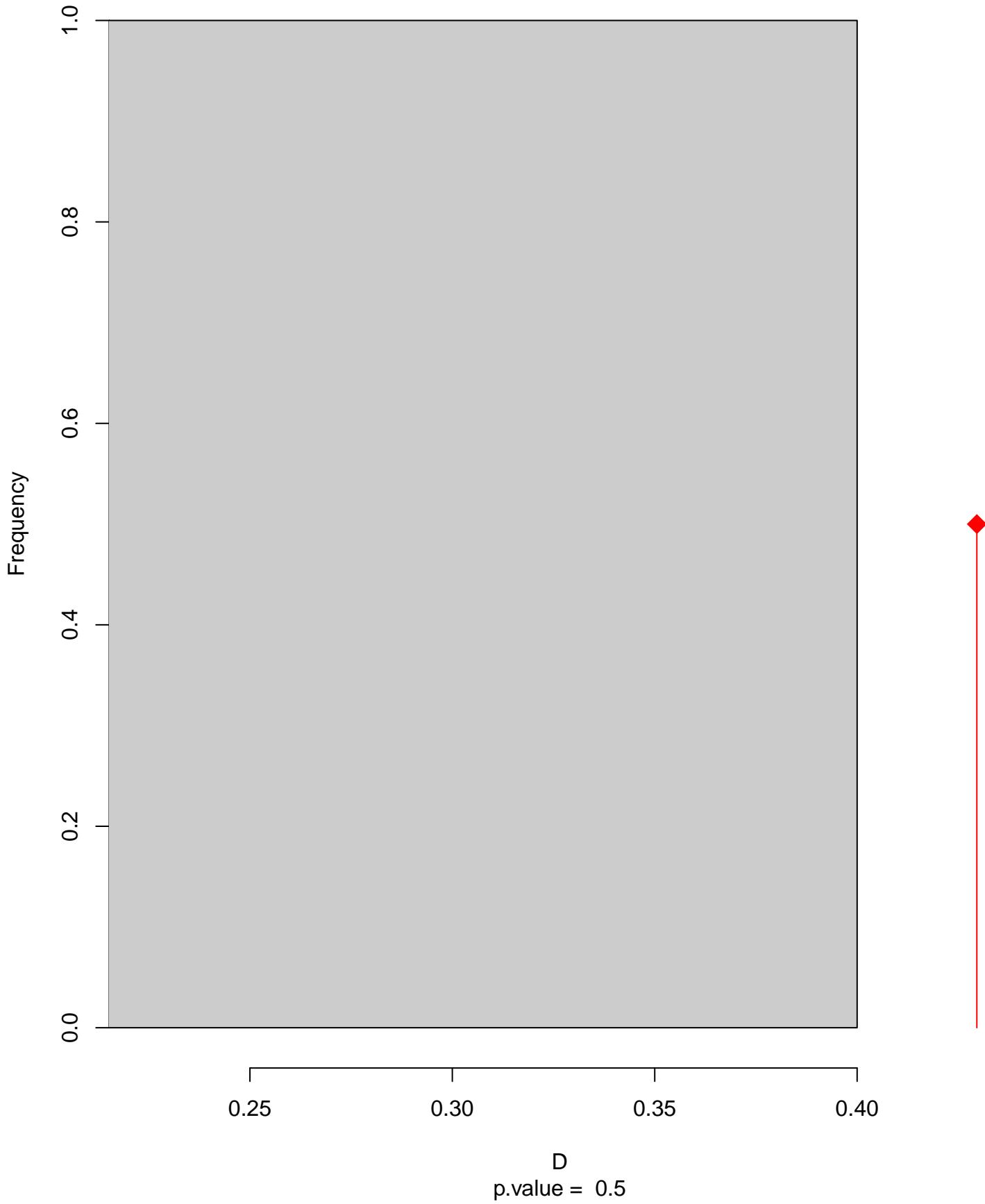
Equivalency



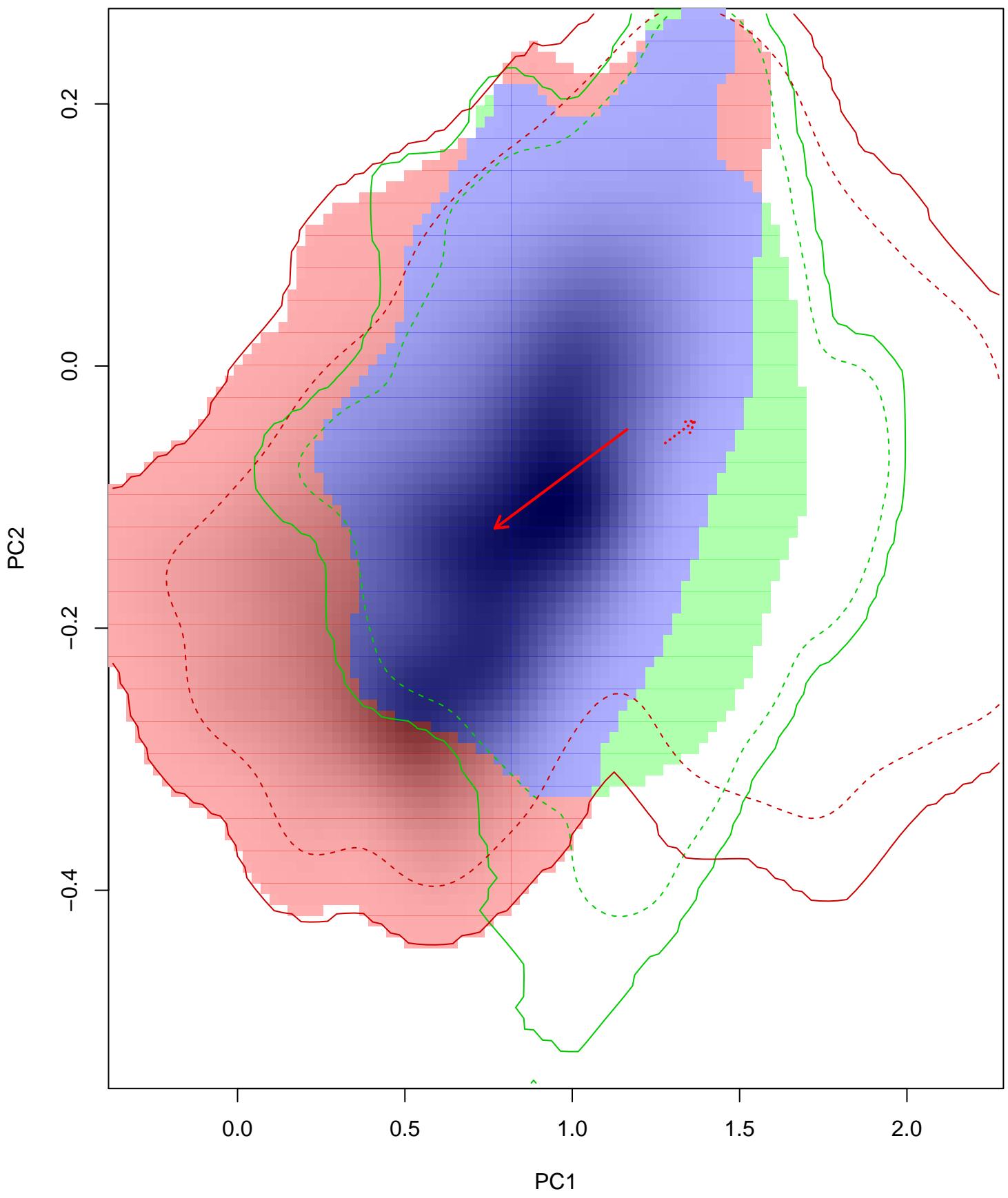
Similarity 2->1



Similarity 1→2

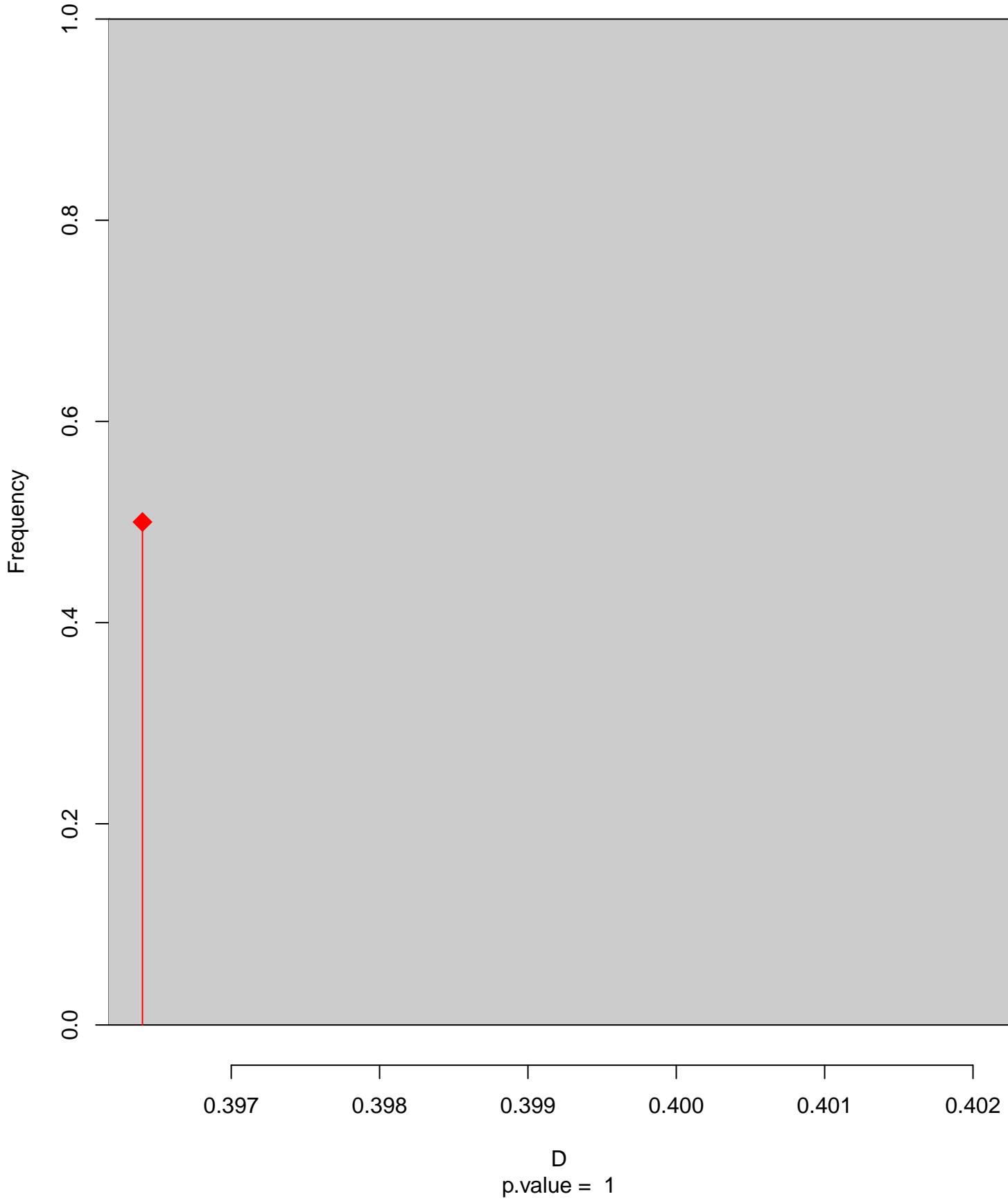


Hirundo_albigularis seasonal overlap-hypo.br

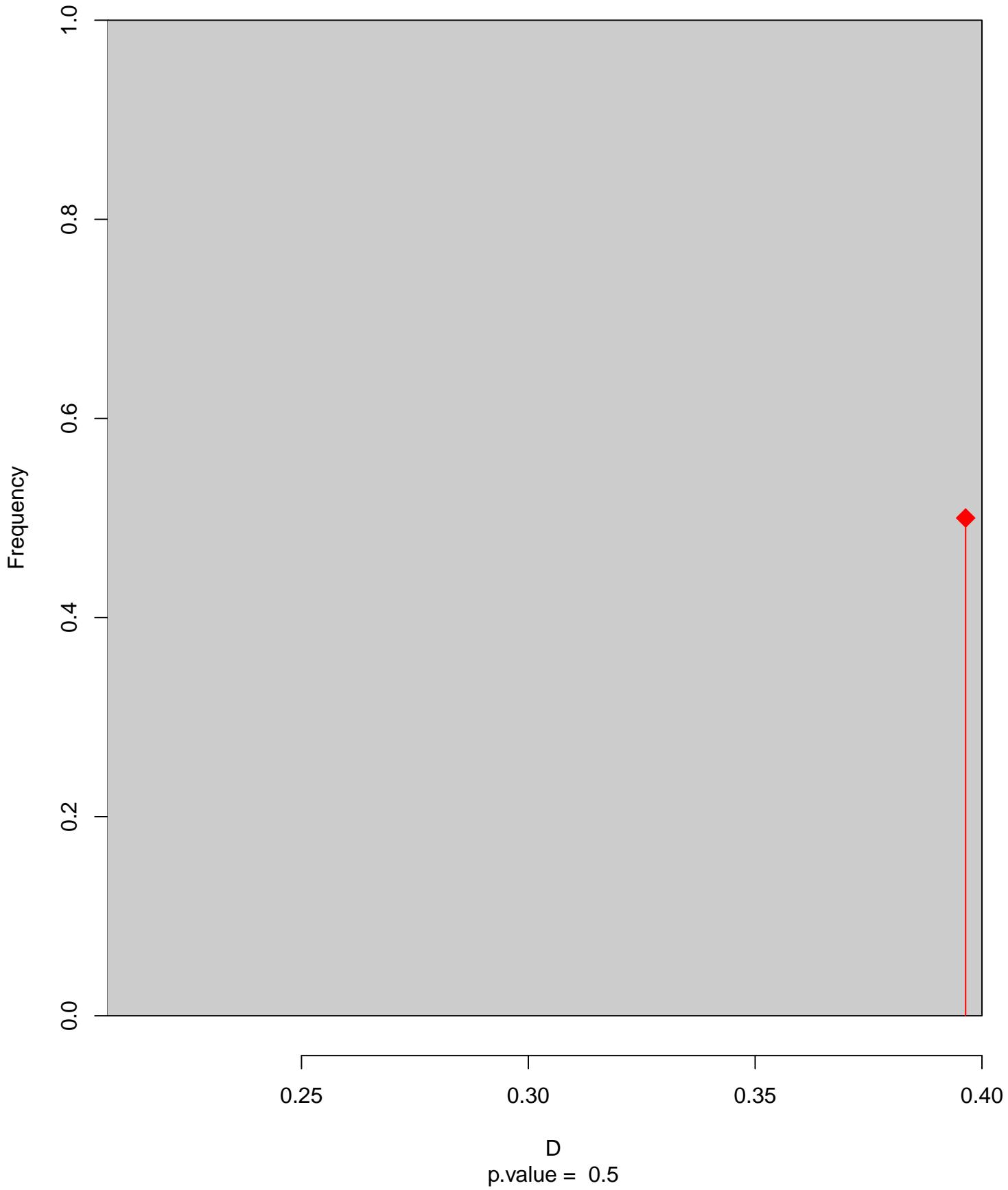


niche overlap:
 $D = 0.396$

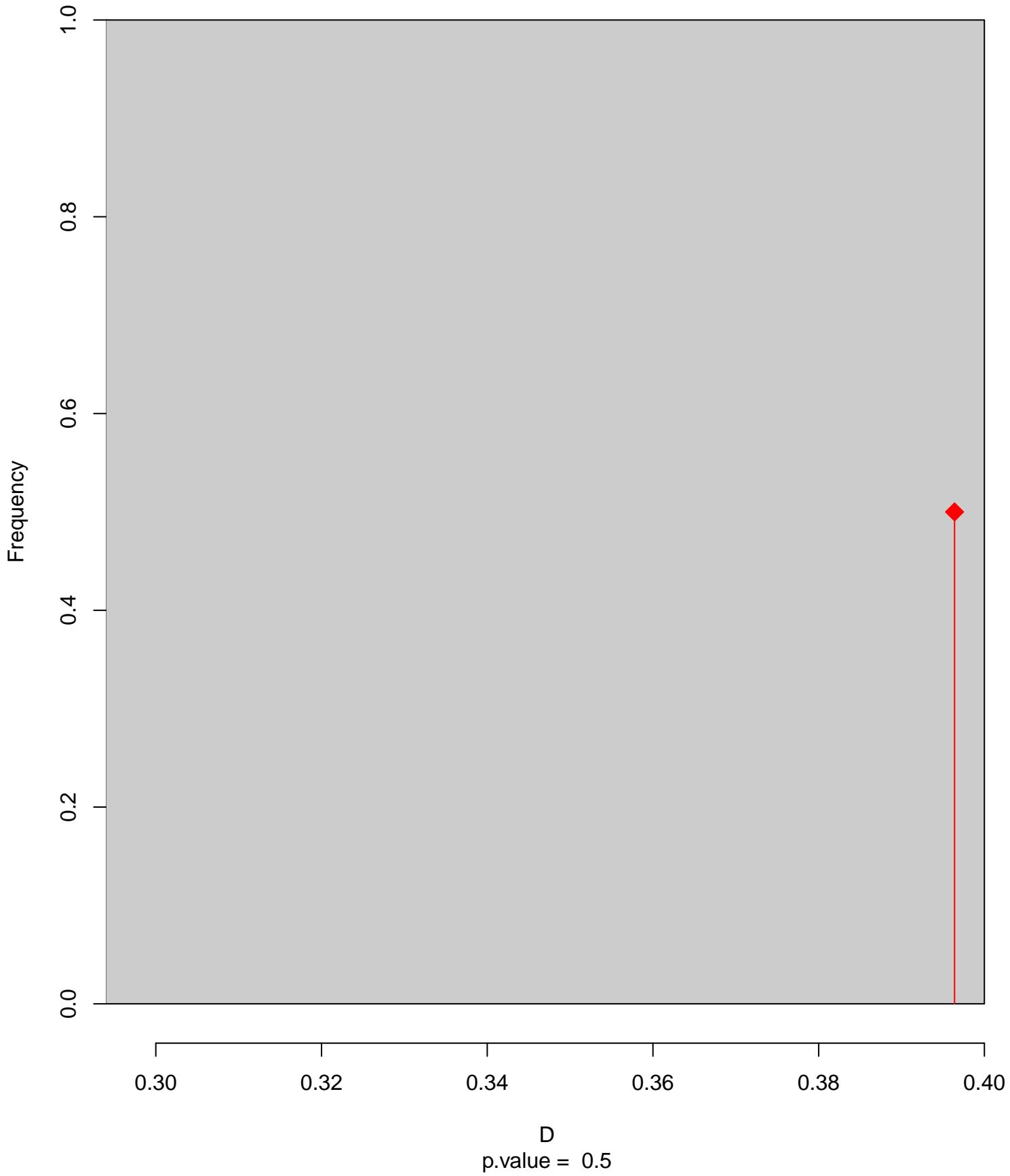
Equivalency



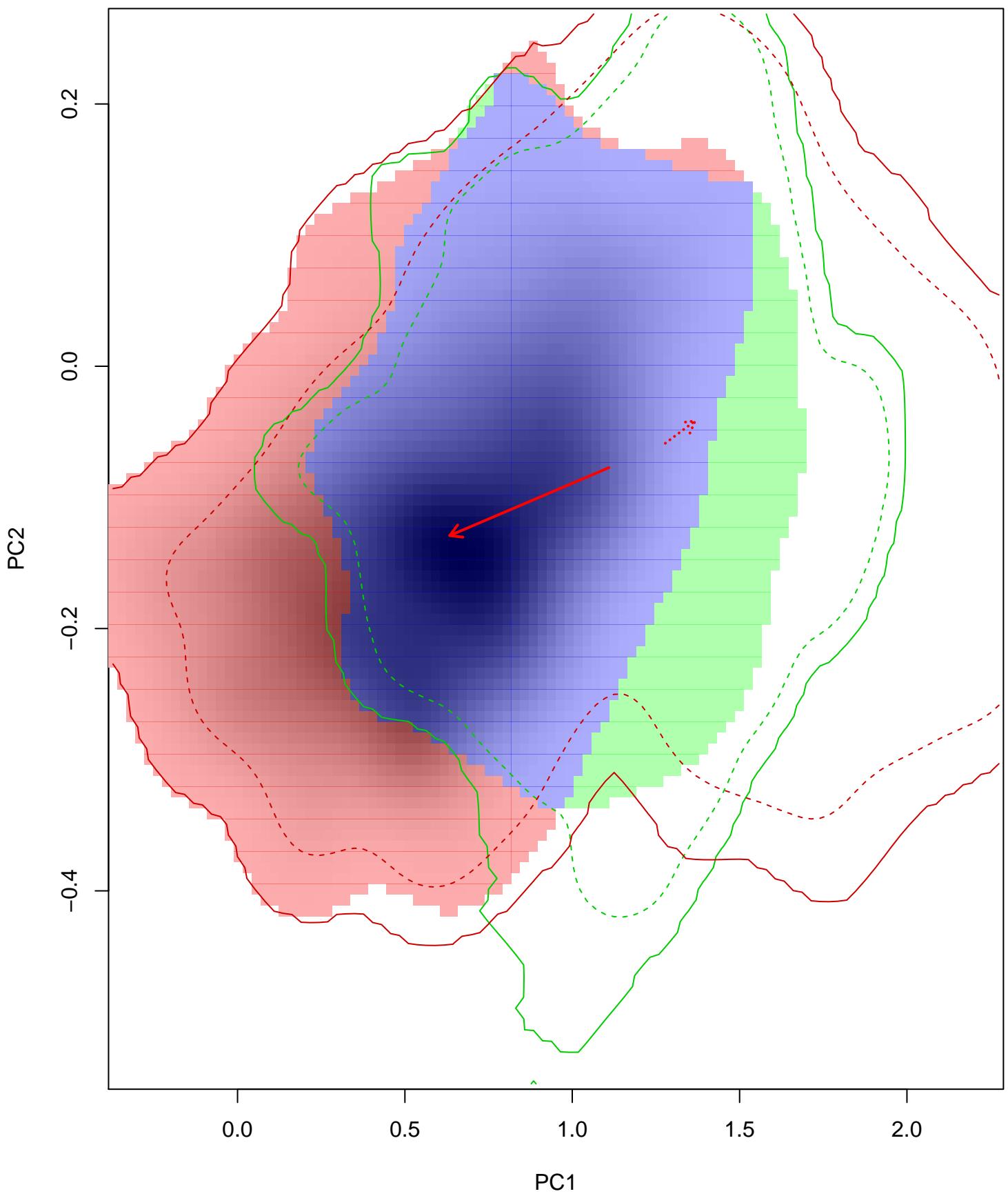
Similarity 2->1



Similarity 1→2

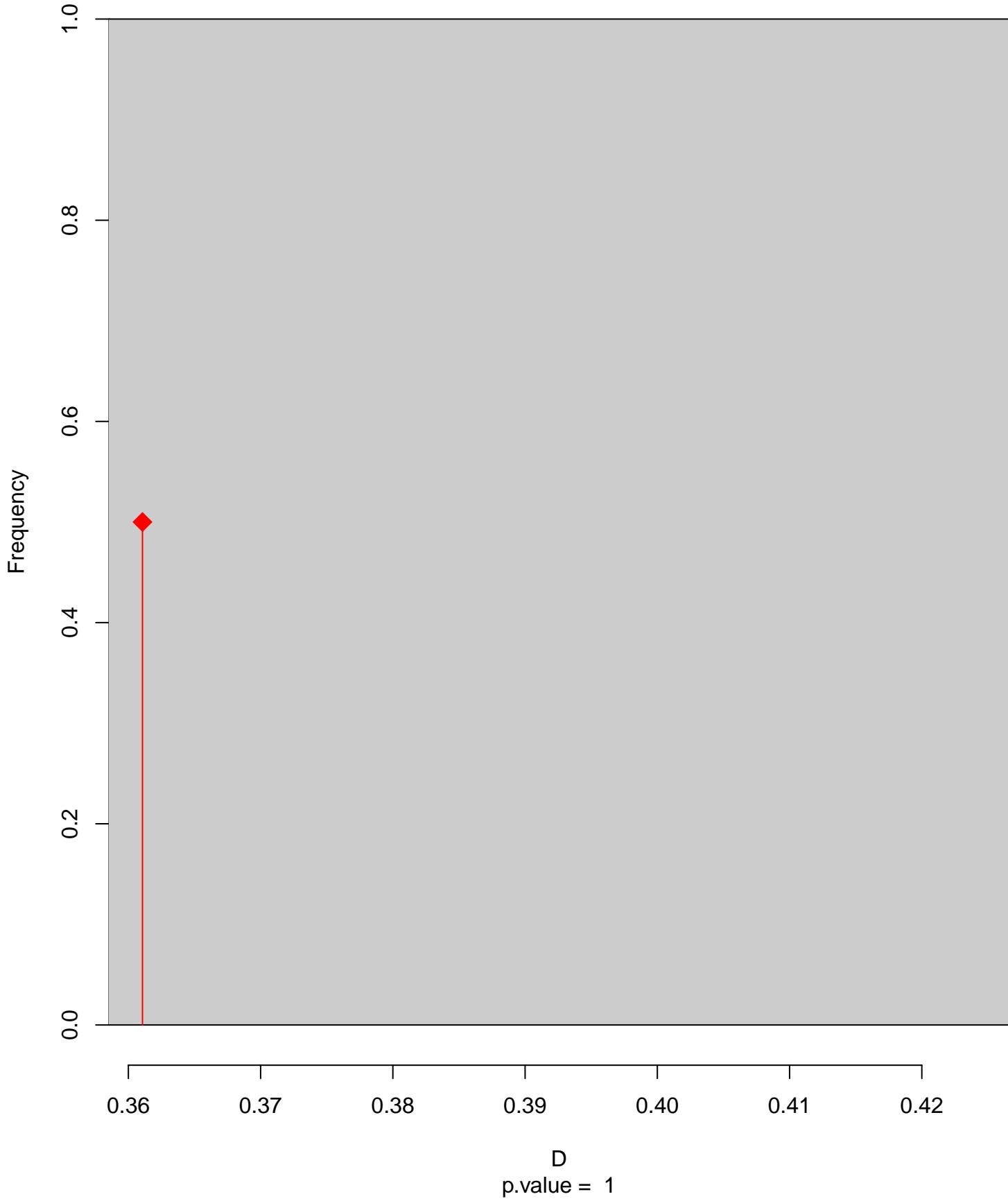


Hirundo_albigularis seasonal overlap-hypo wi

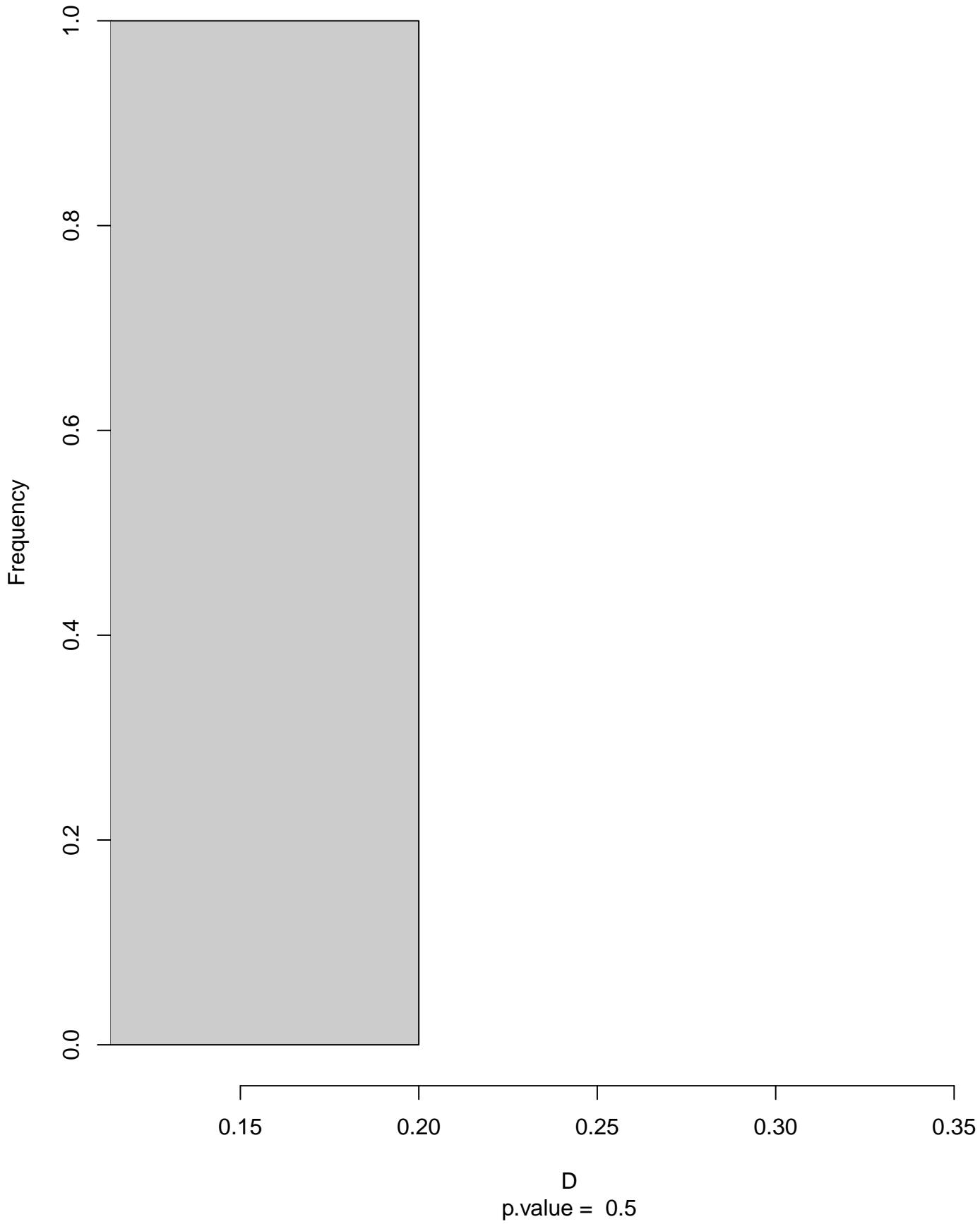


niche overlap:
 $D = 0.361$

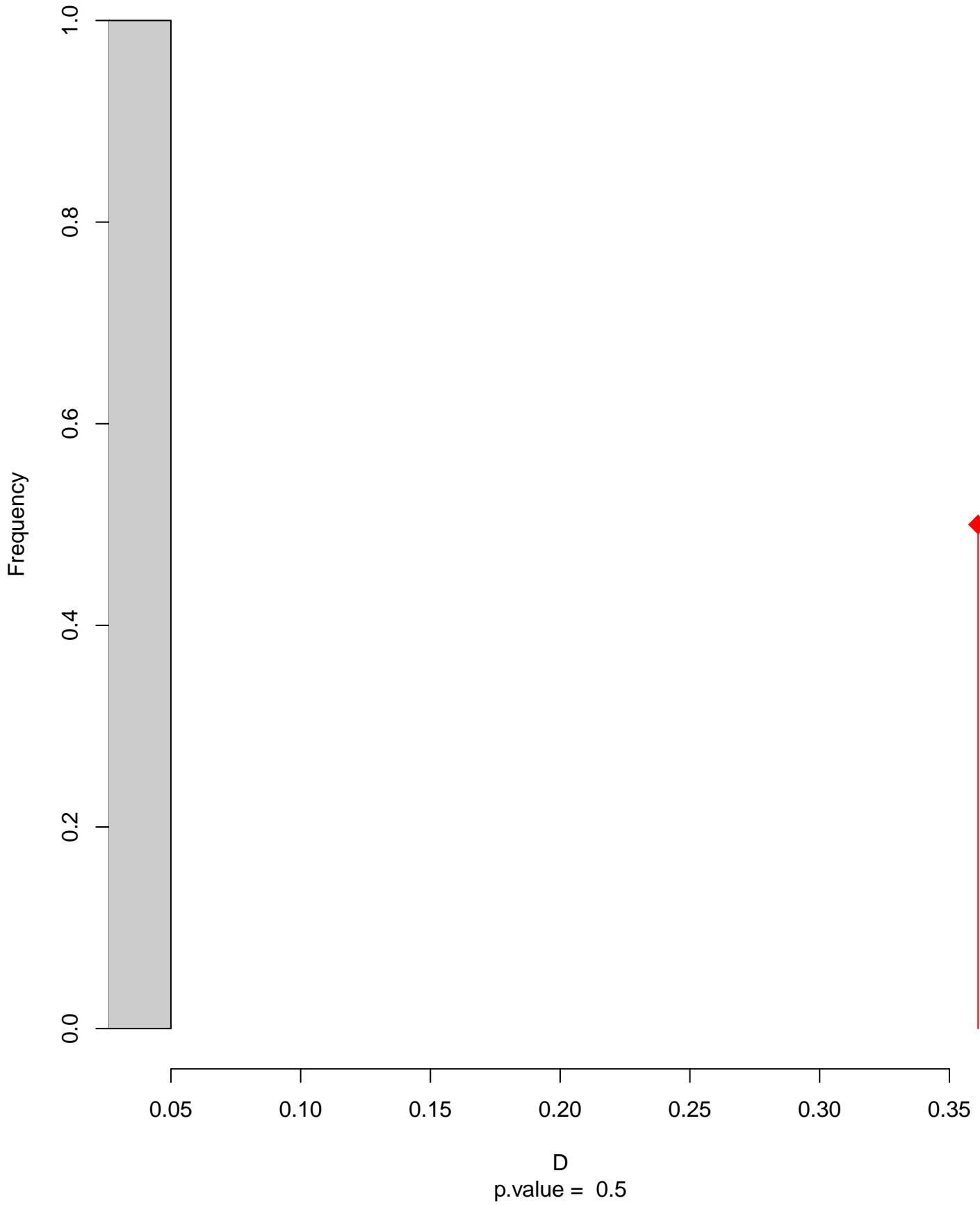
Equivalency



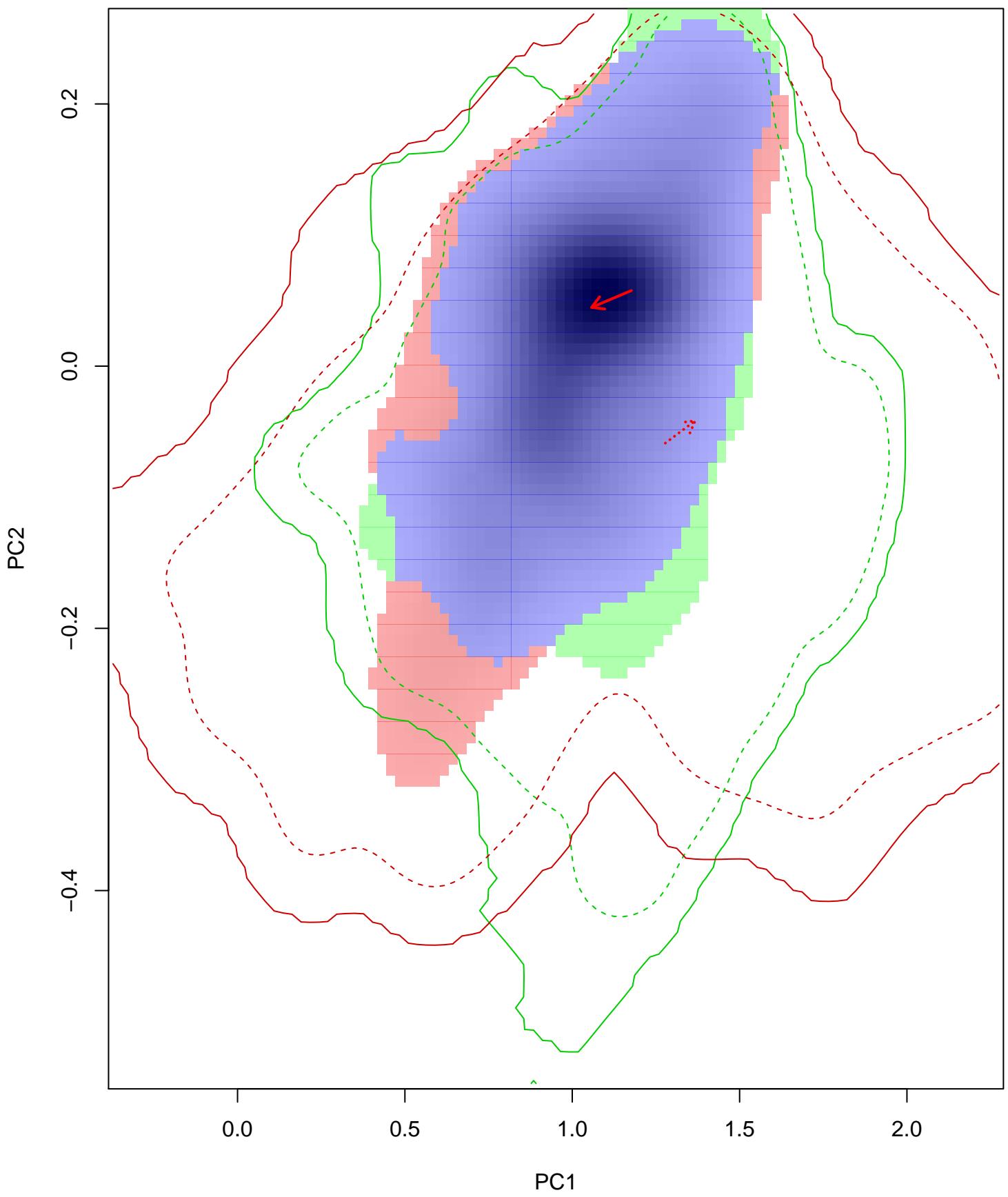
Similarity 2->1



Similarity 1→2

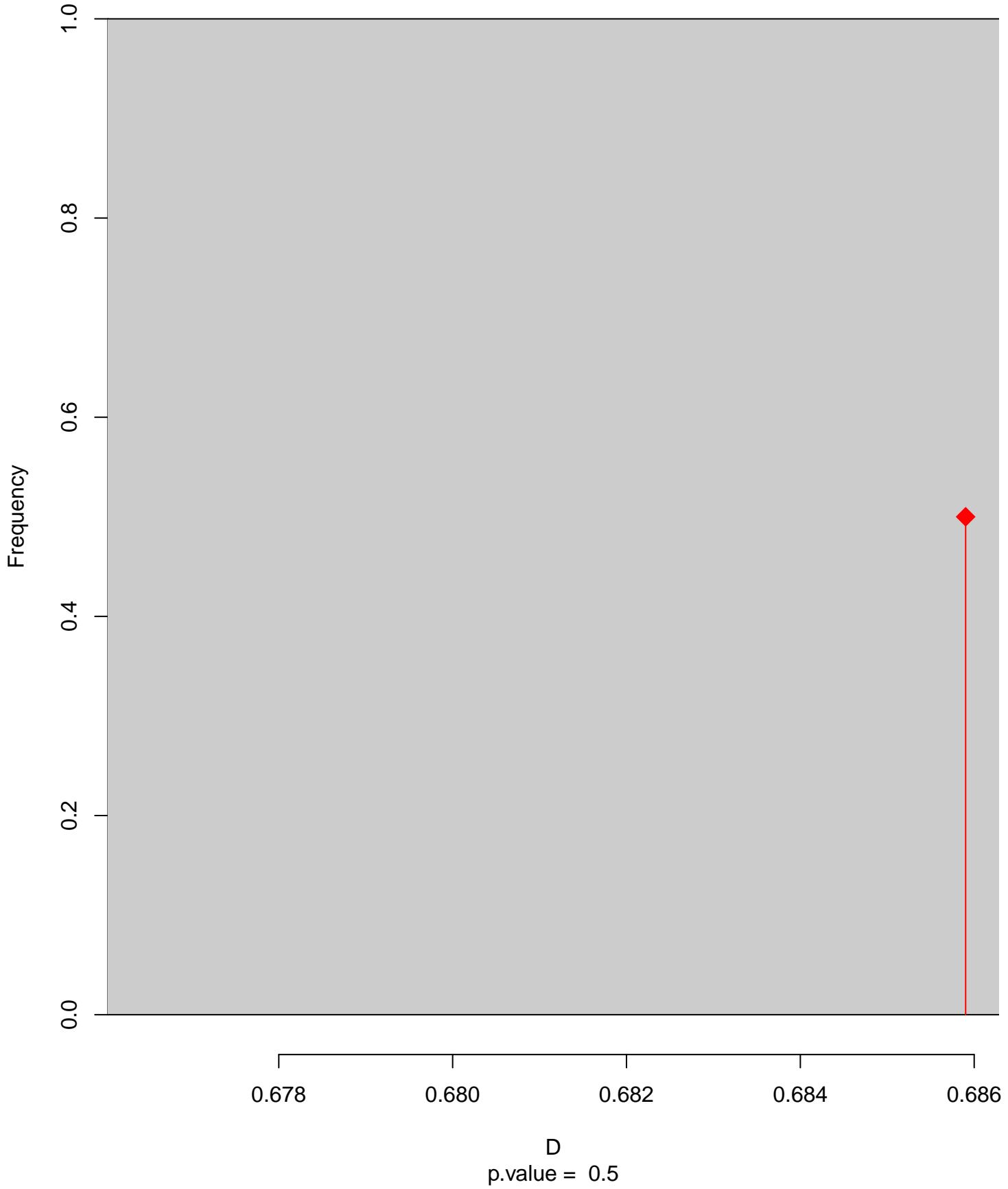


Hirundo_angolensis seasonal overlap

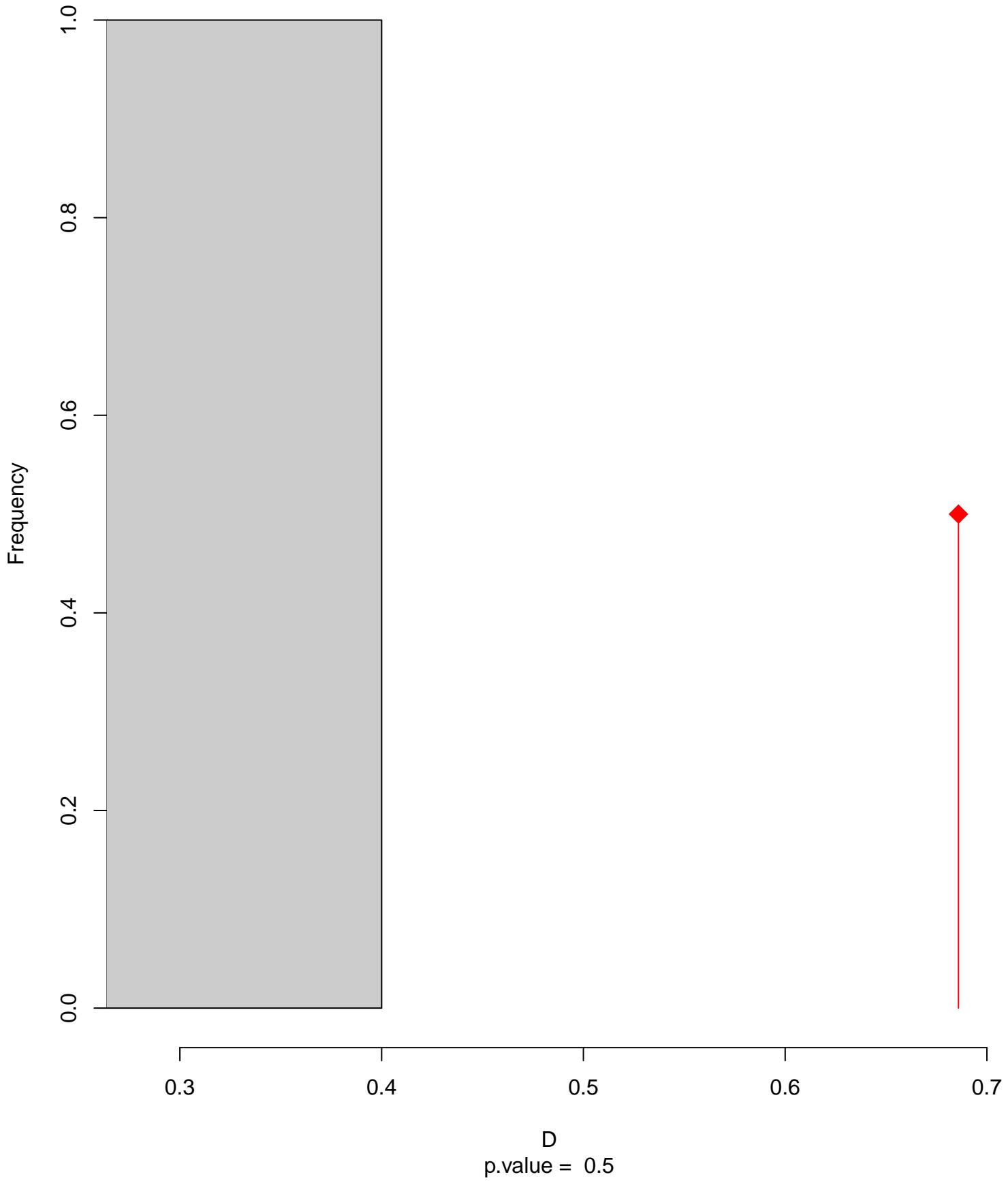


niche overlap:
 $D = 0.686$

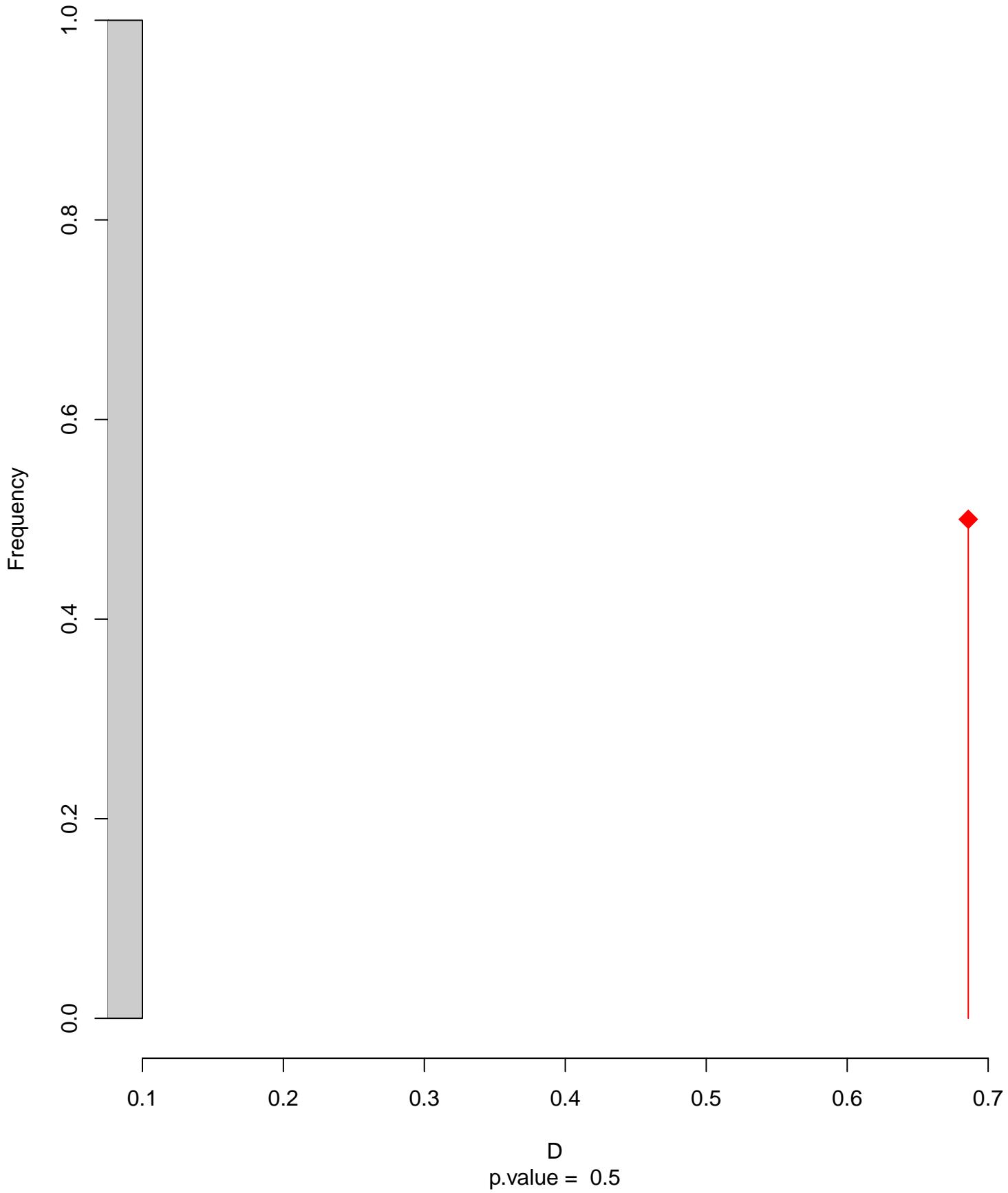
Equivalency



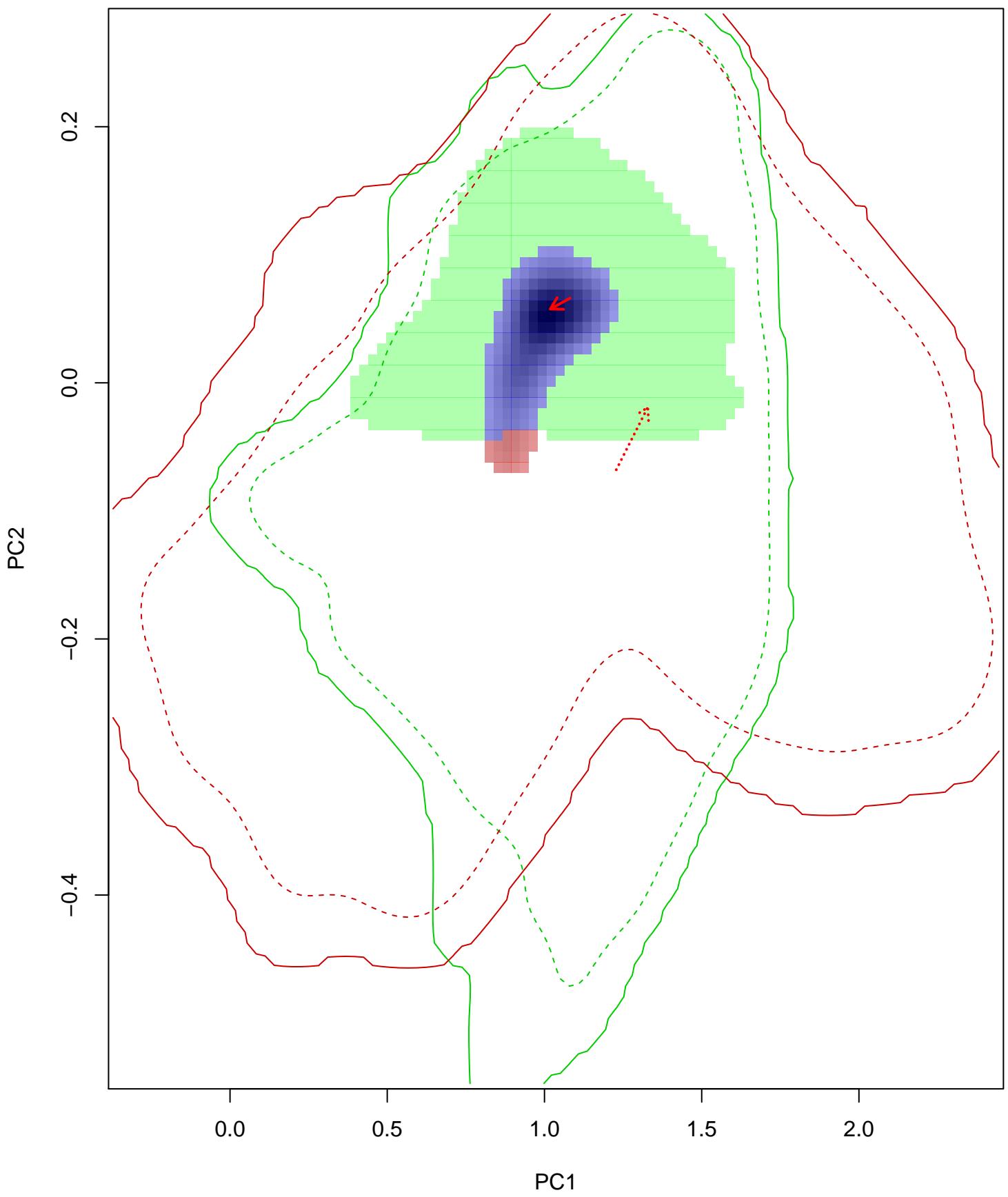
Similarity 2->1



Similarity 1→2

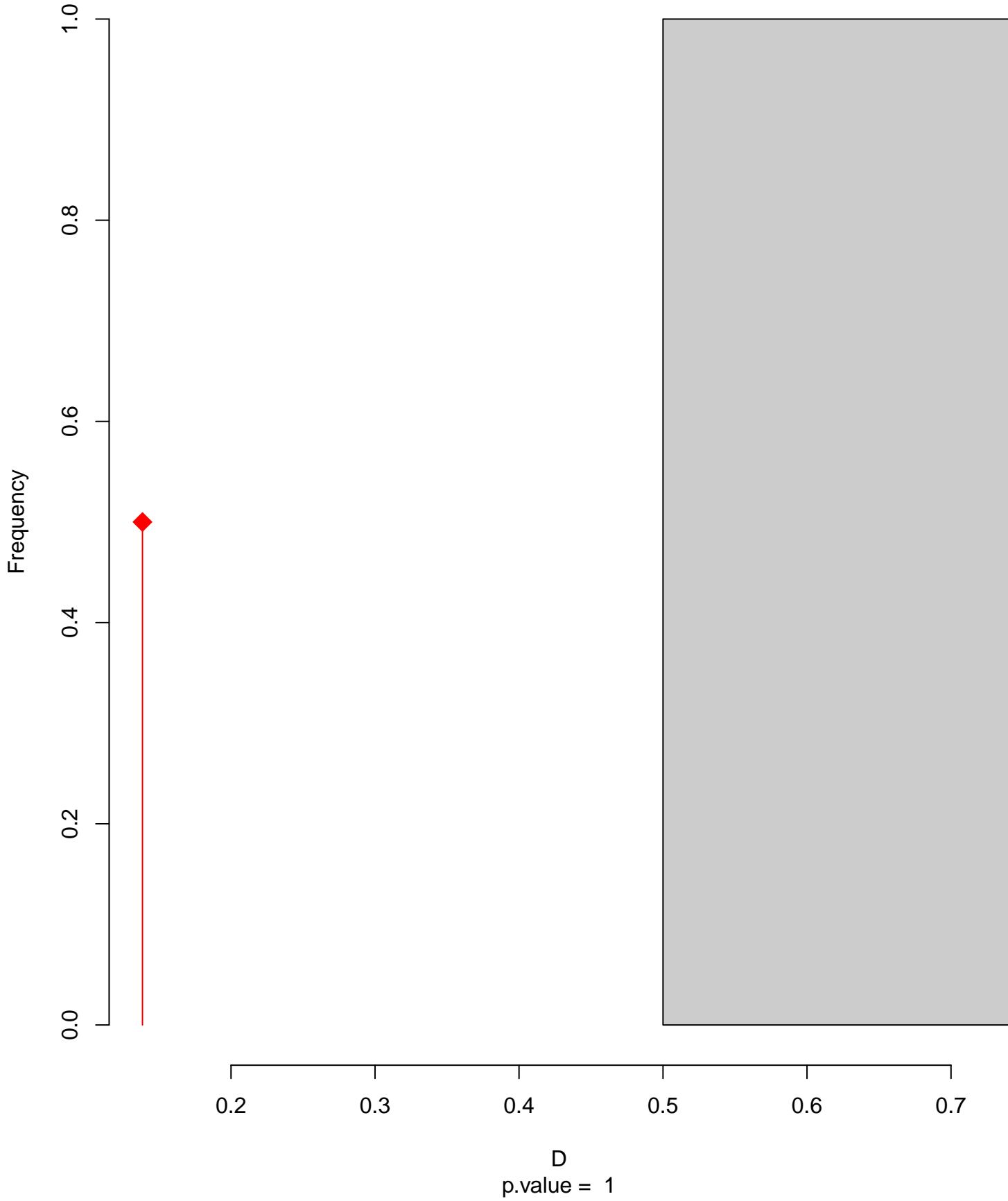


Hirundo_atrocaerulea seasonal overlap

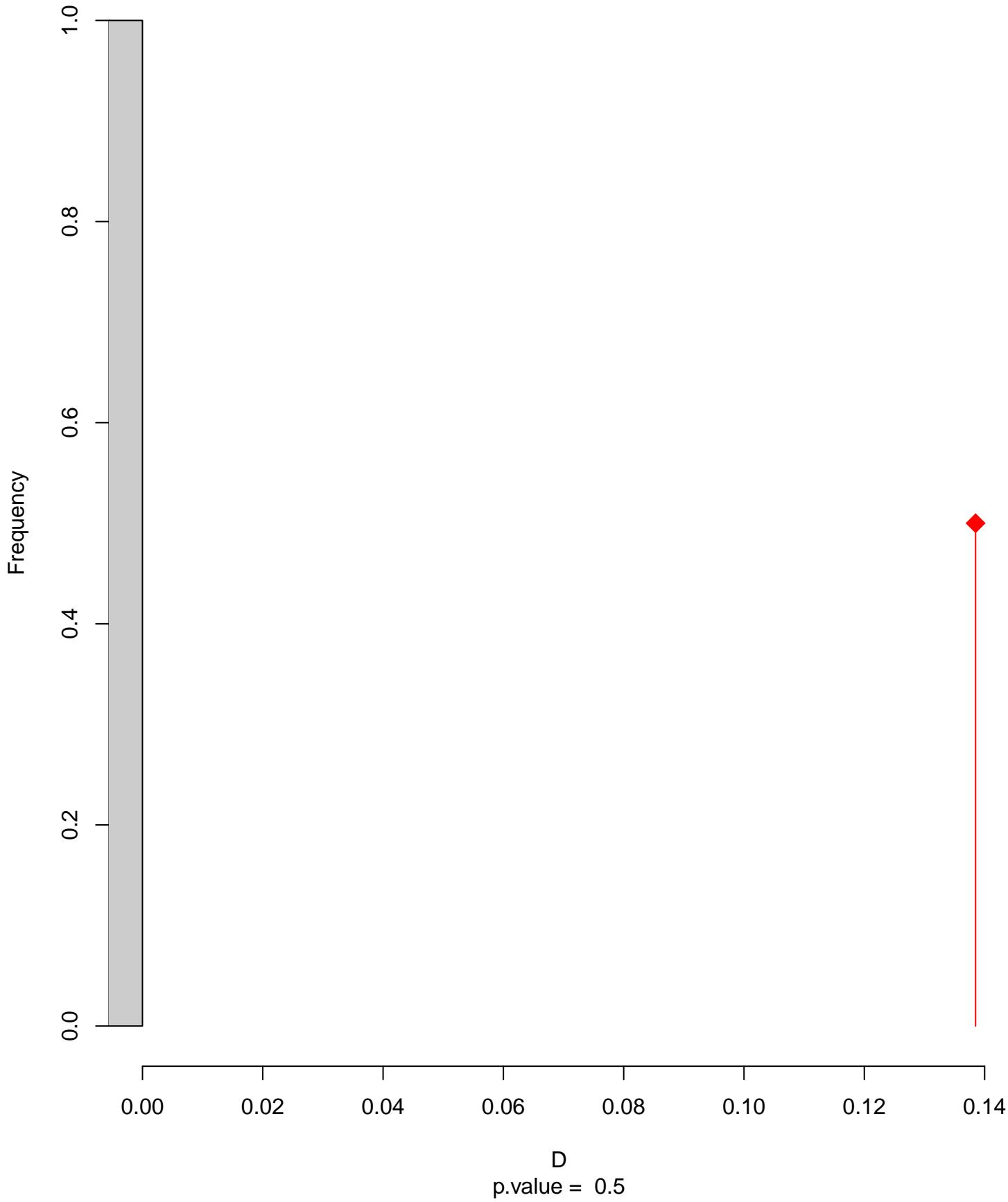


niche overlap:
 $D = 0.139$

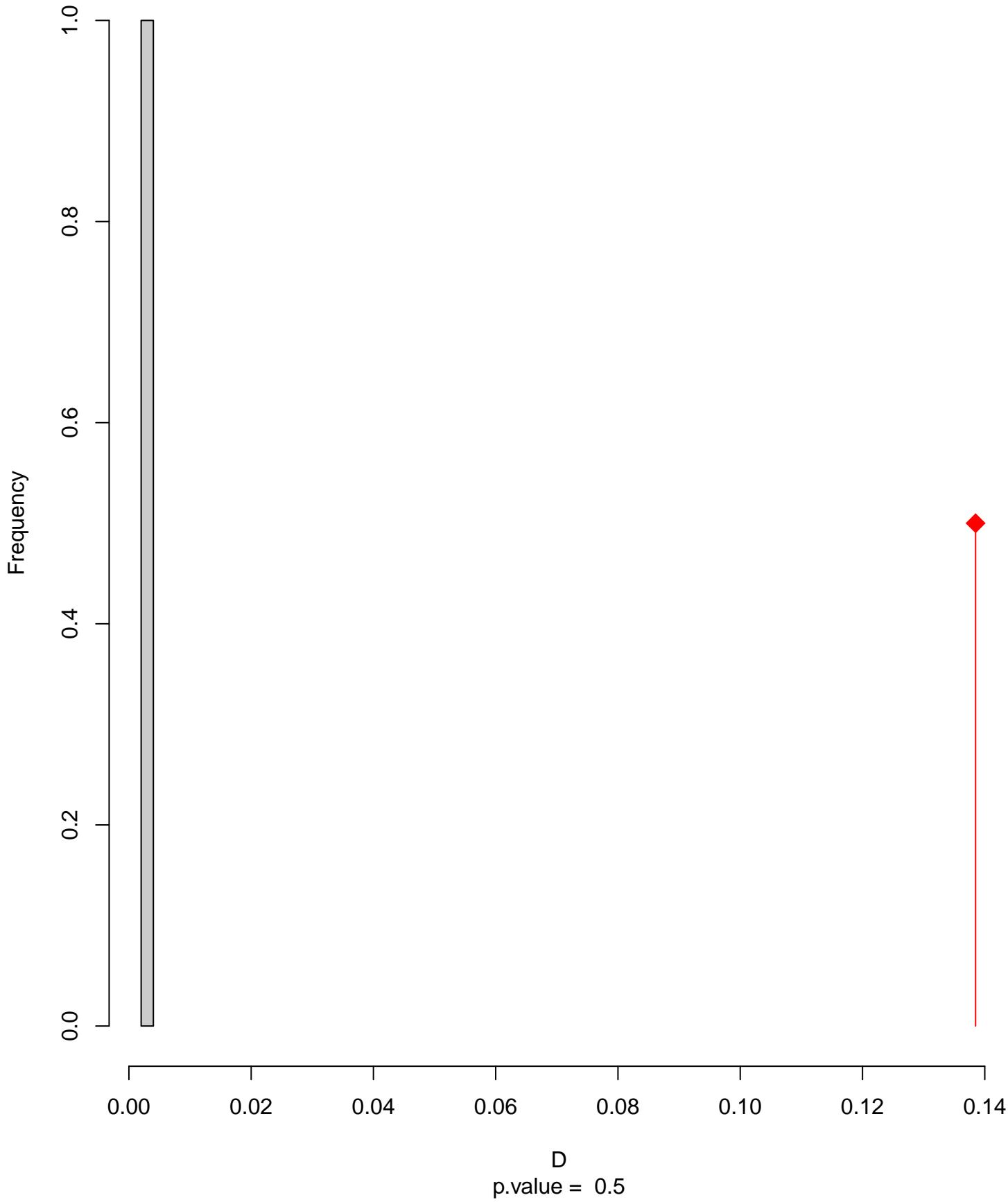
Equivalency



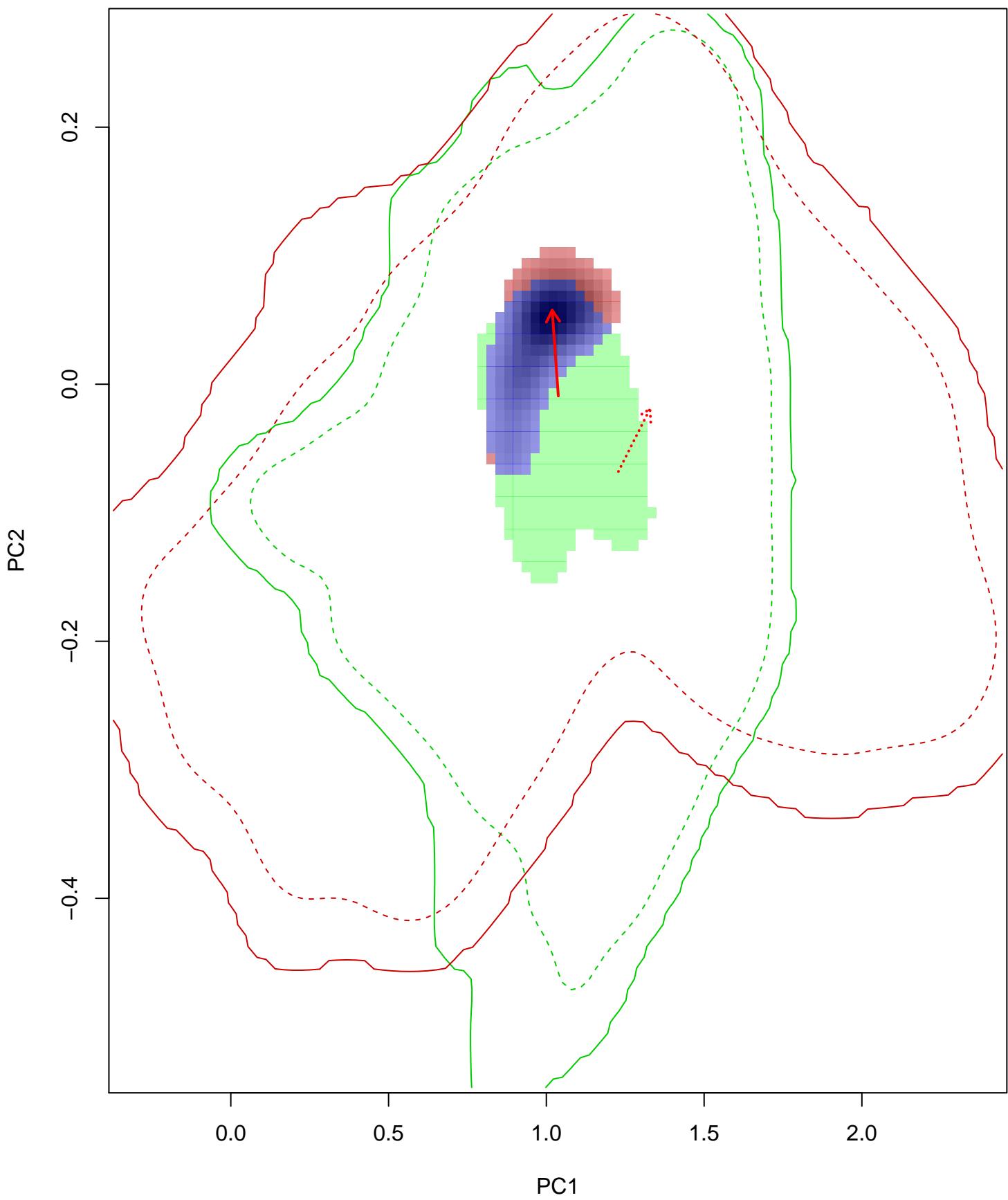
Similarity 2->1



Similarity 1→2

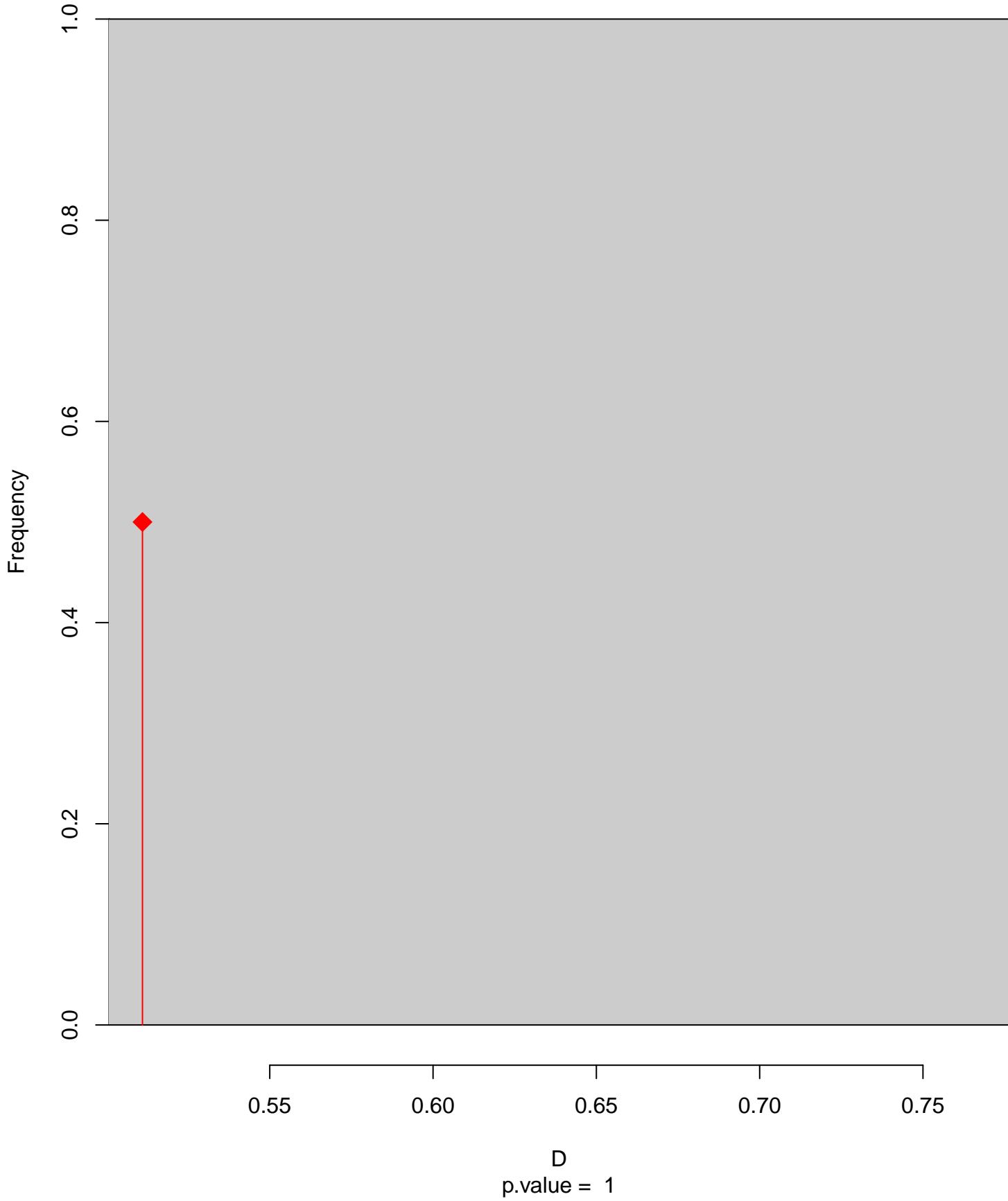


Hirundo_atrocaerulea seasonal overlap-hypo.br

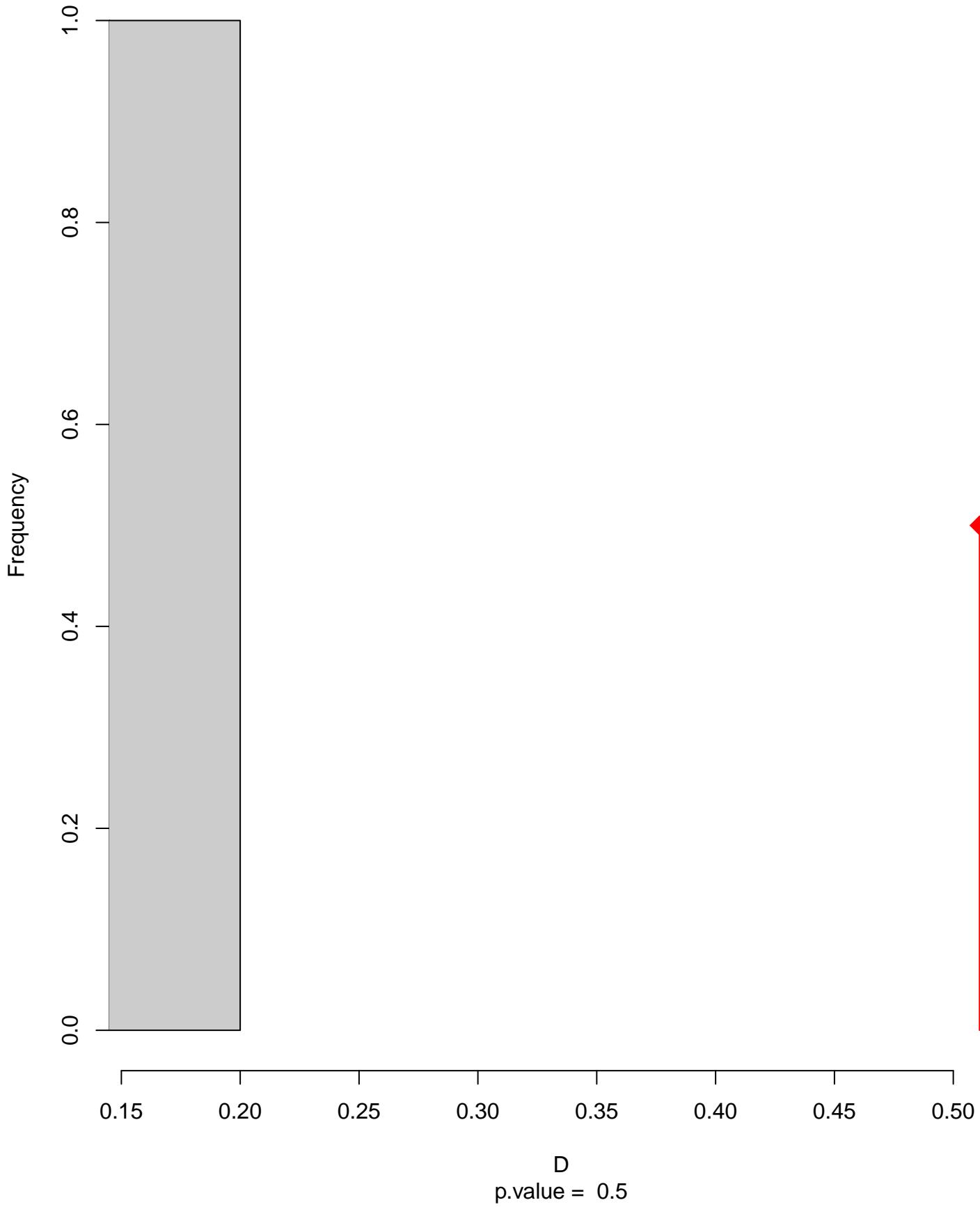


niche overlap:
 $D= 0.511$

Equivalency

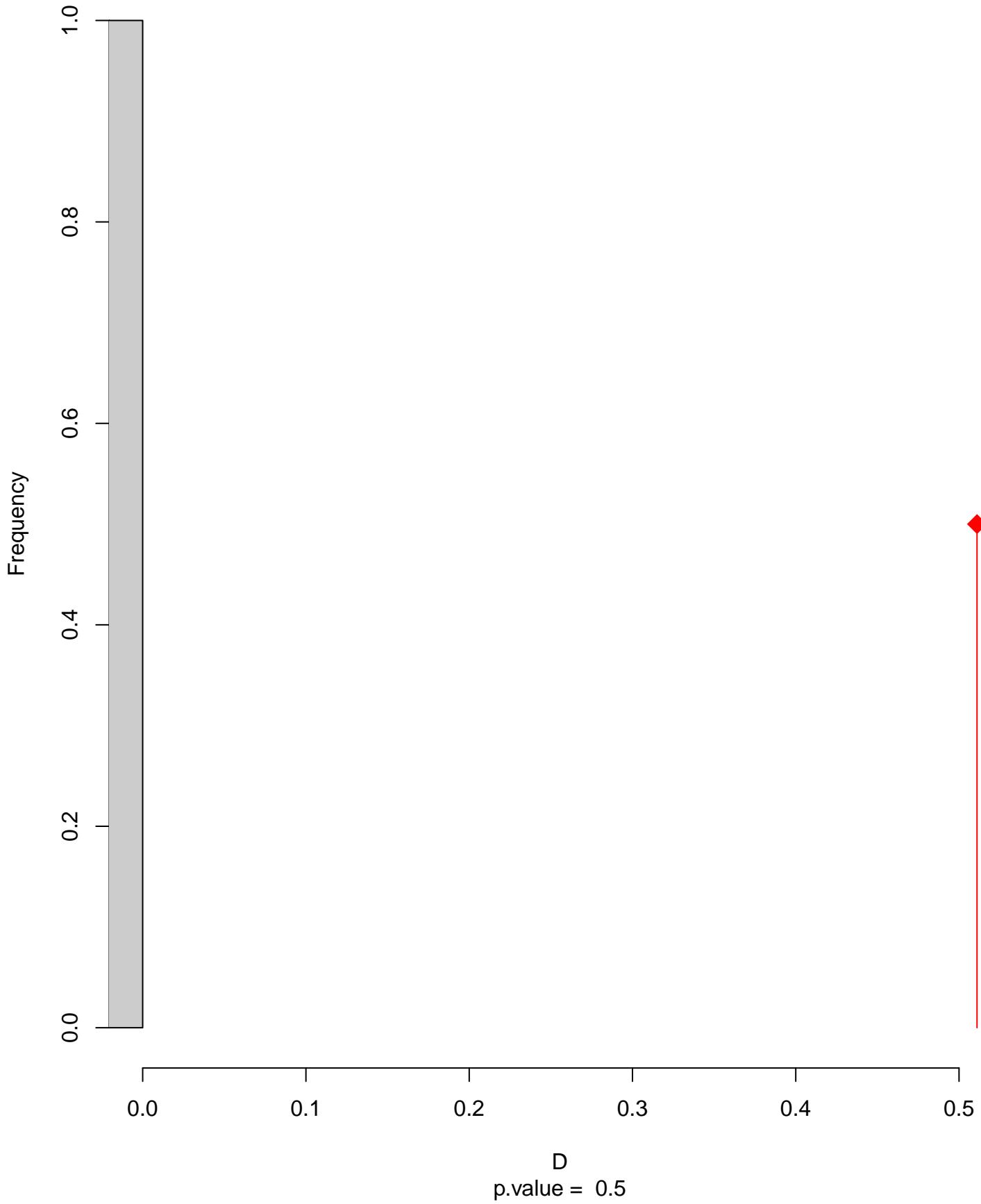


Similarity 2->1

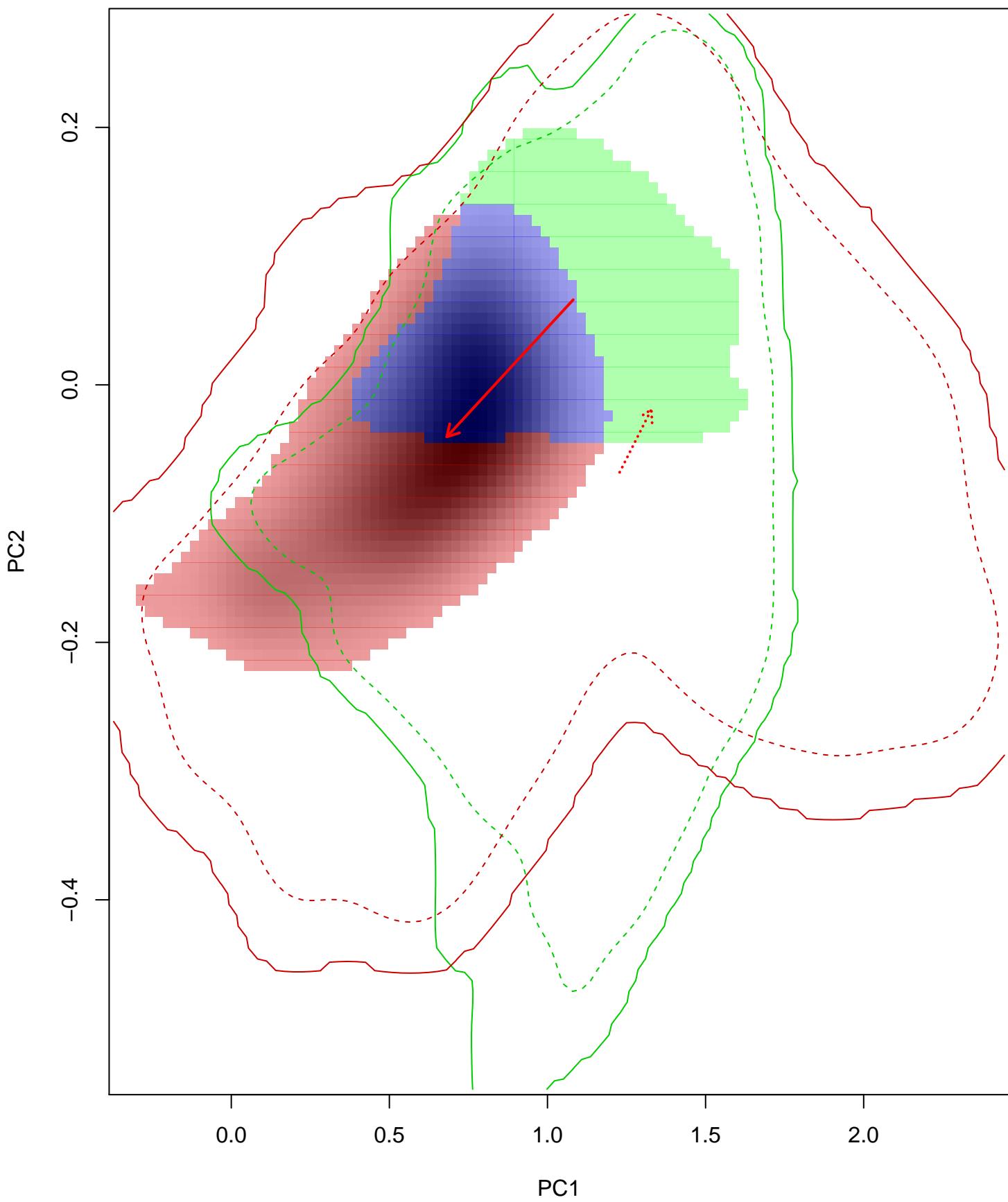


D
p.value = 0.5

Similarity 1→2

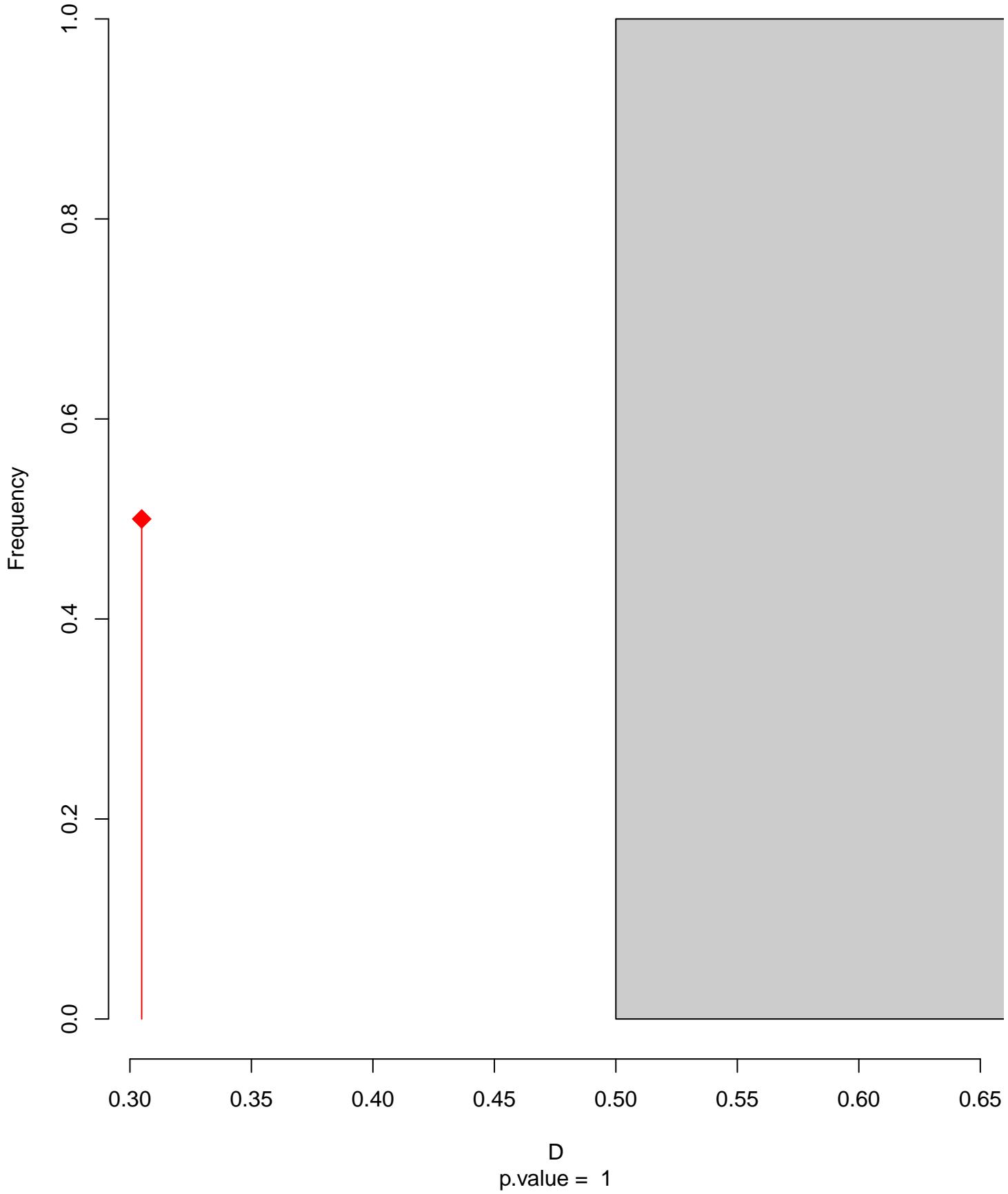


Hirundo_atrocaerulea seasonal overlap-hypo wi

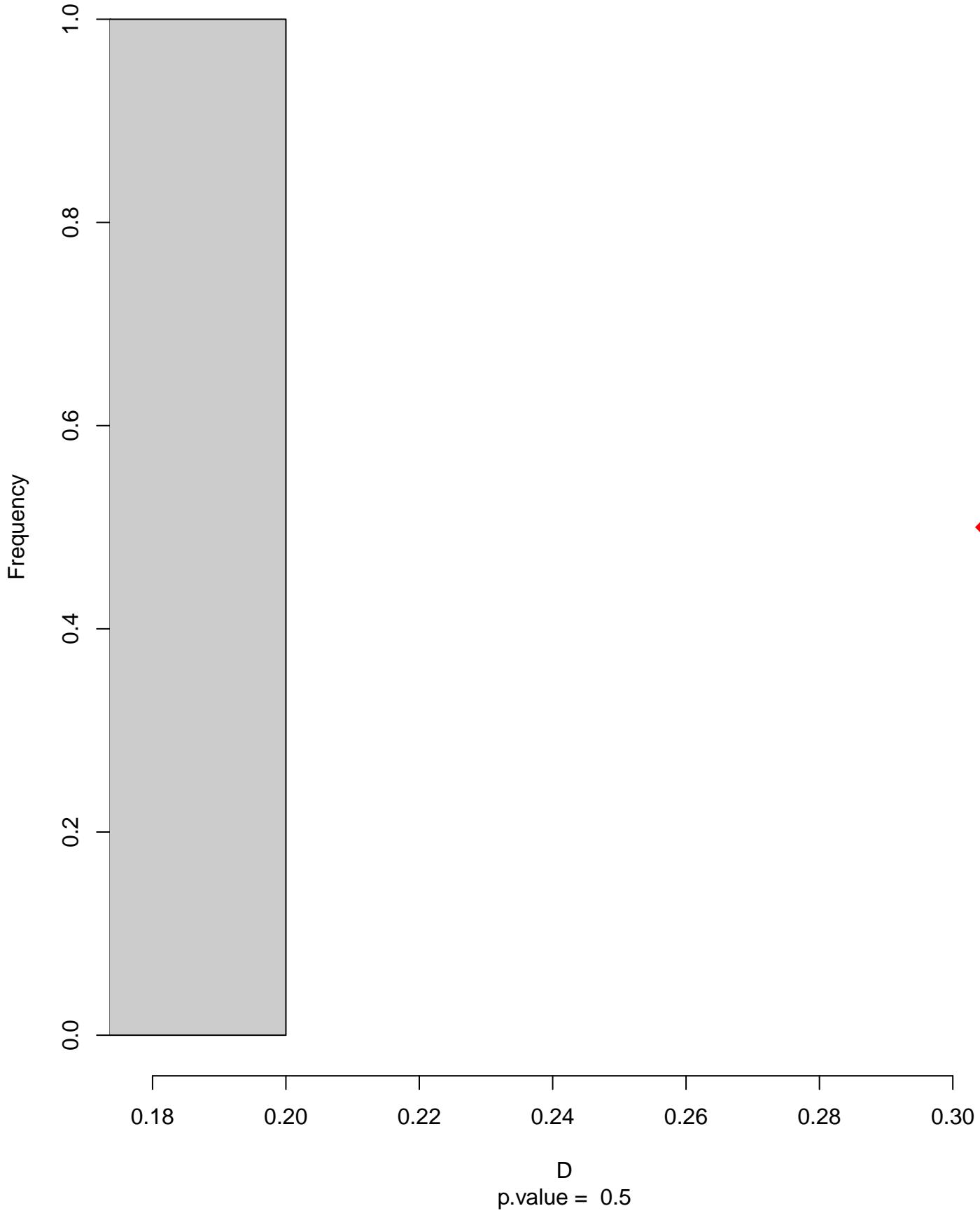


niche overlap:
 $D = 0.305$

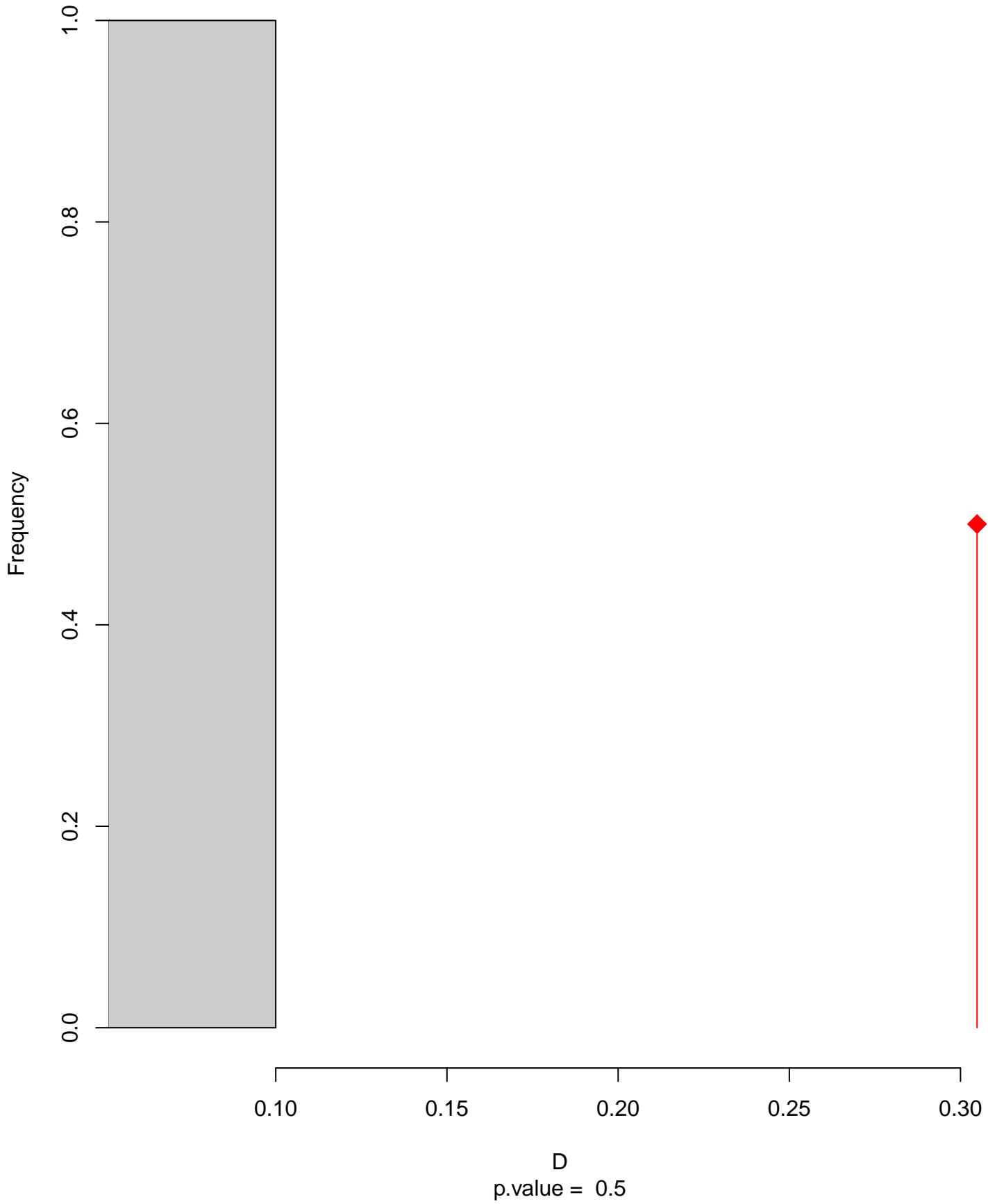
Equivalency



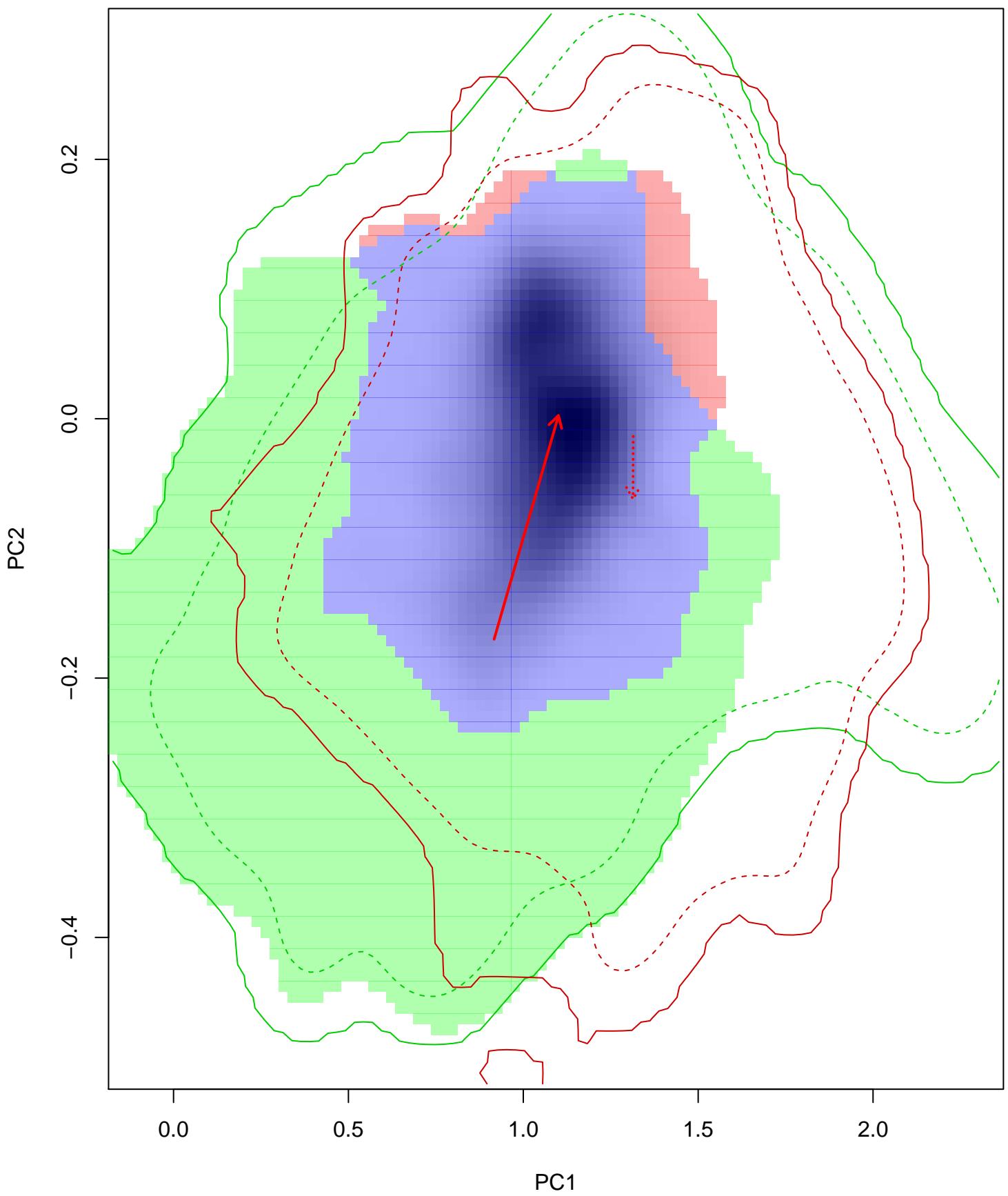
Similarity 2->1



Similarity 1→2

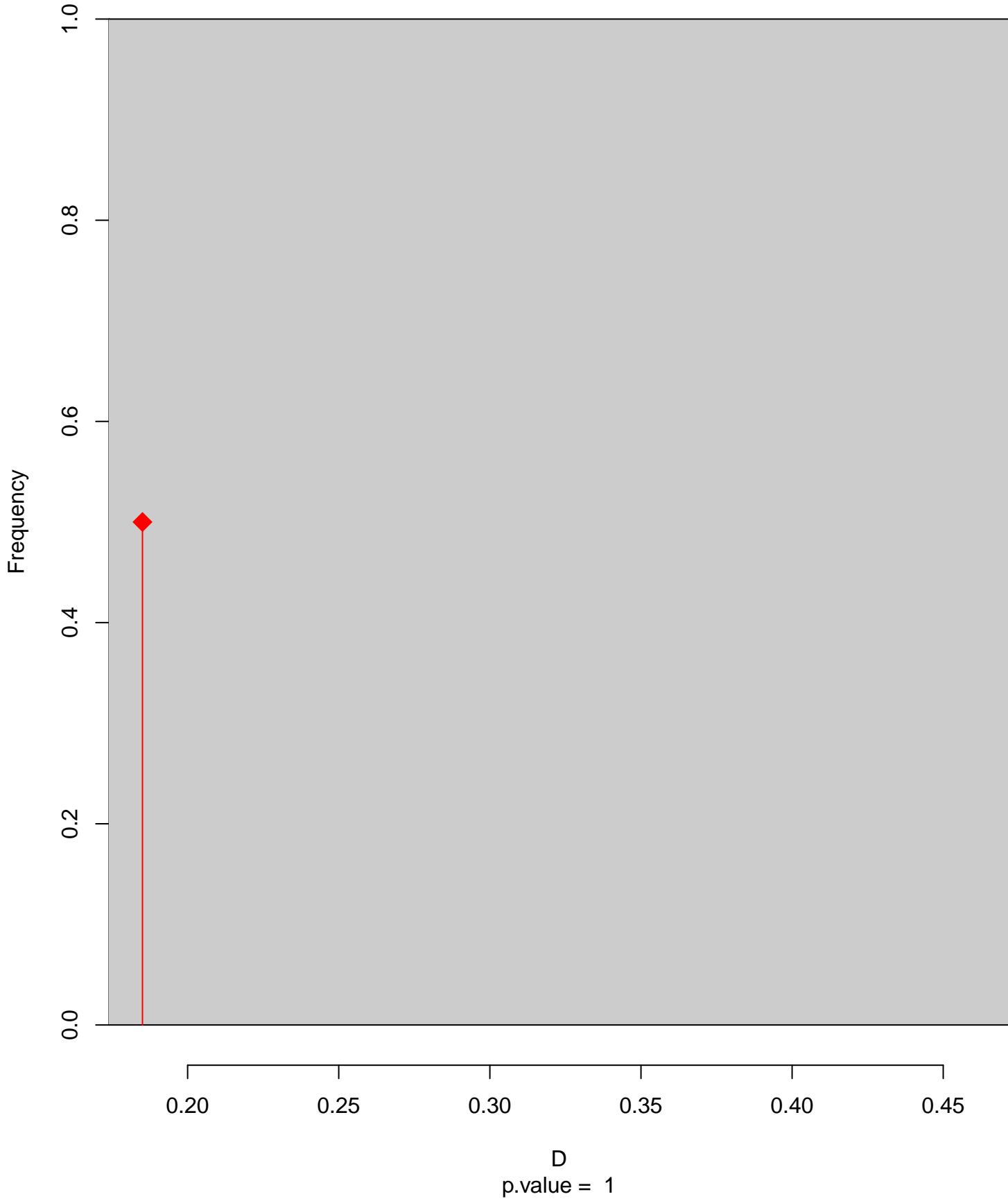


Hirundo_dimidiata seasonal overlap

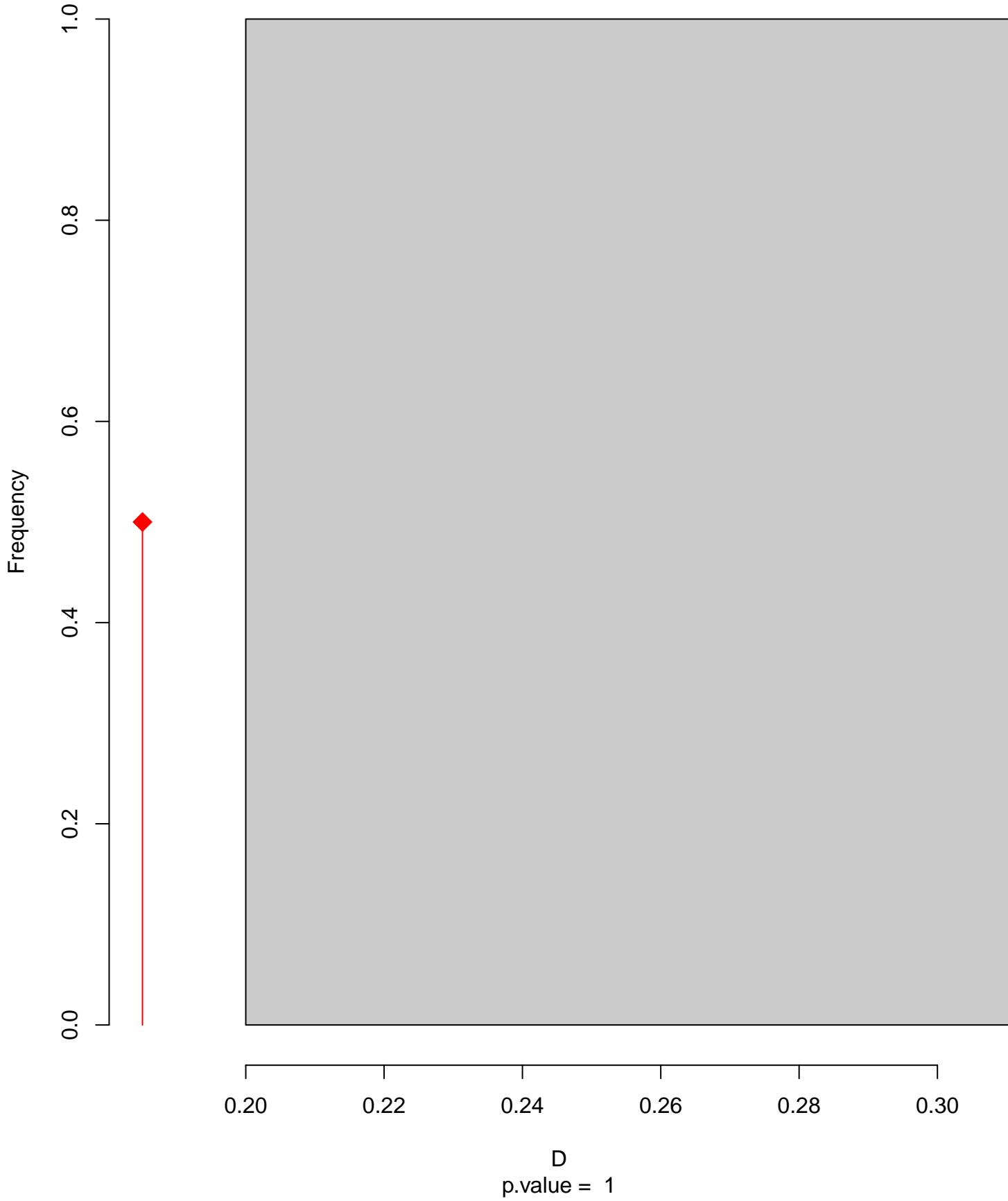


niche overlap:
 $D = 0.185$

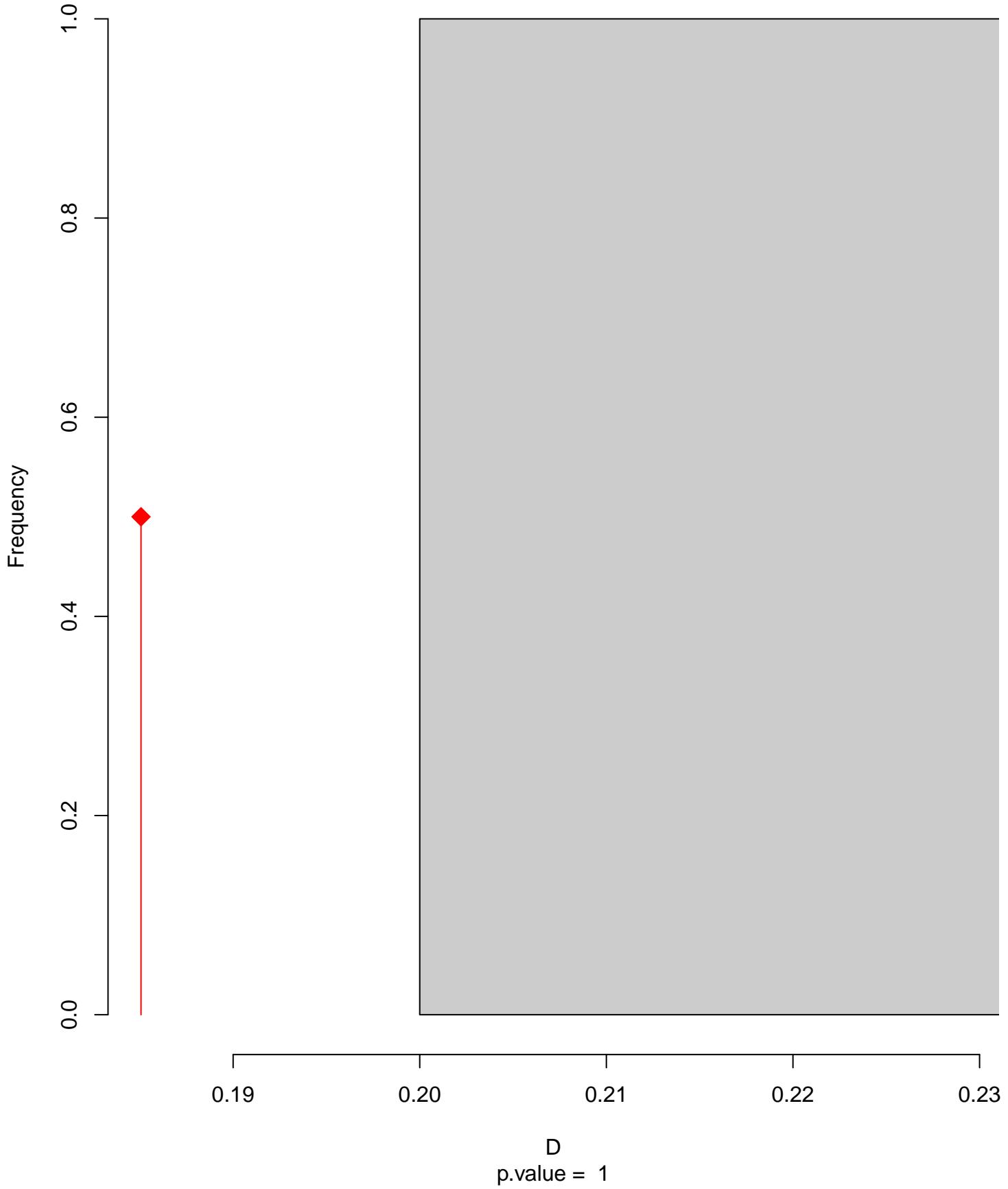
Equivalency



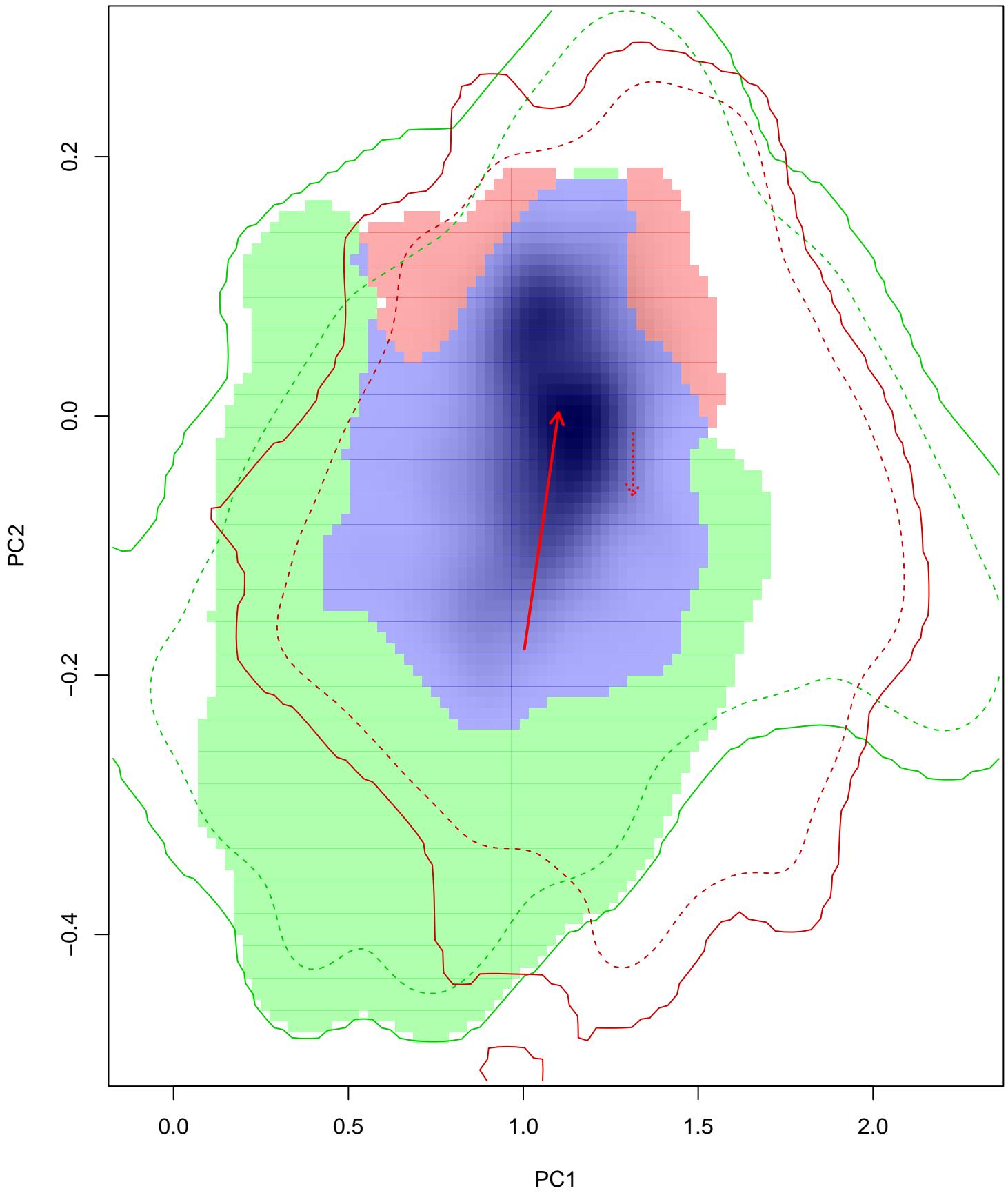
Similarity 2->1



Similarity 1→2

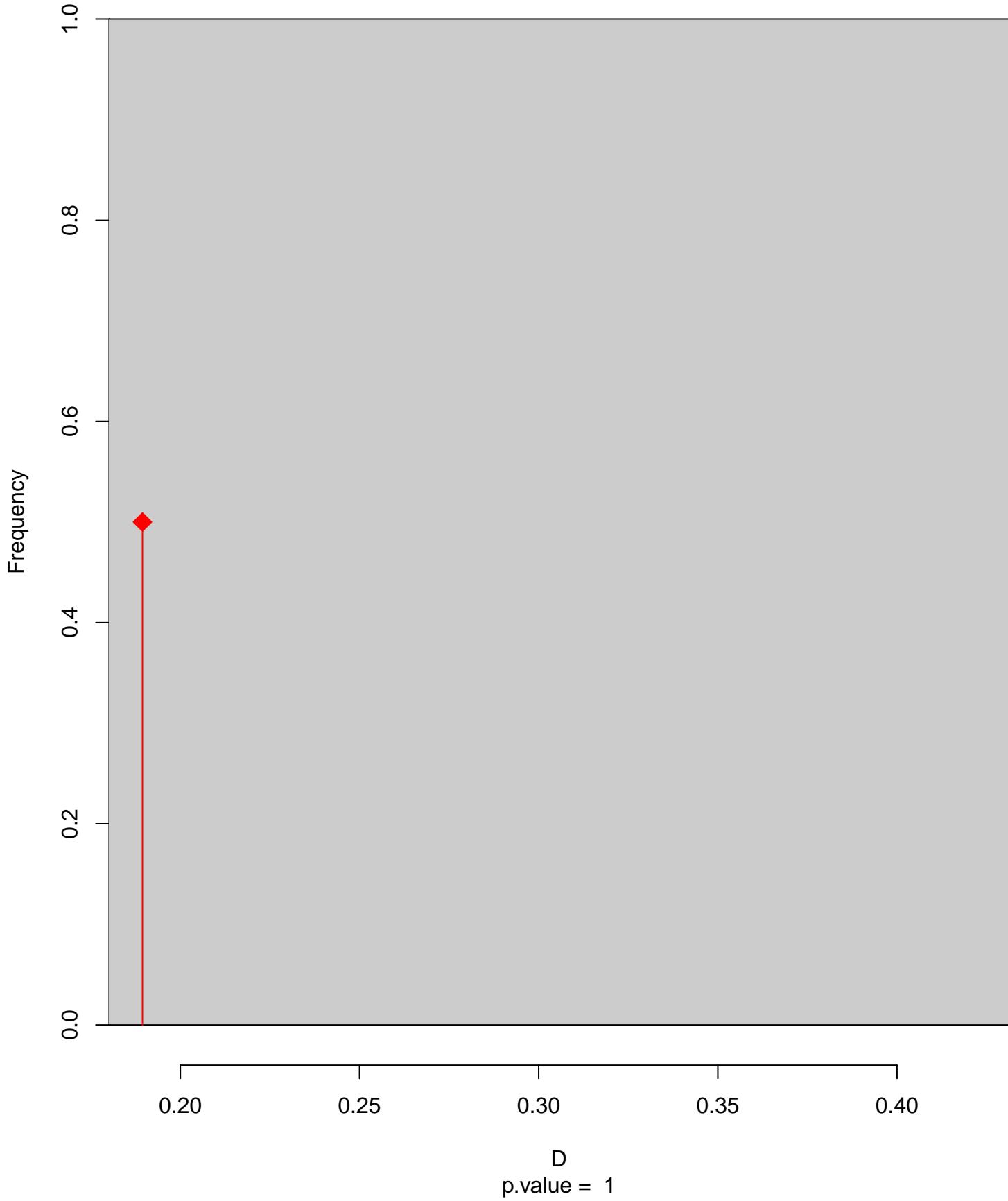


Hirundo_dimidiata seasonal overlap-hypo.br

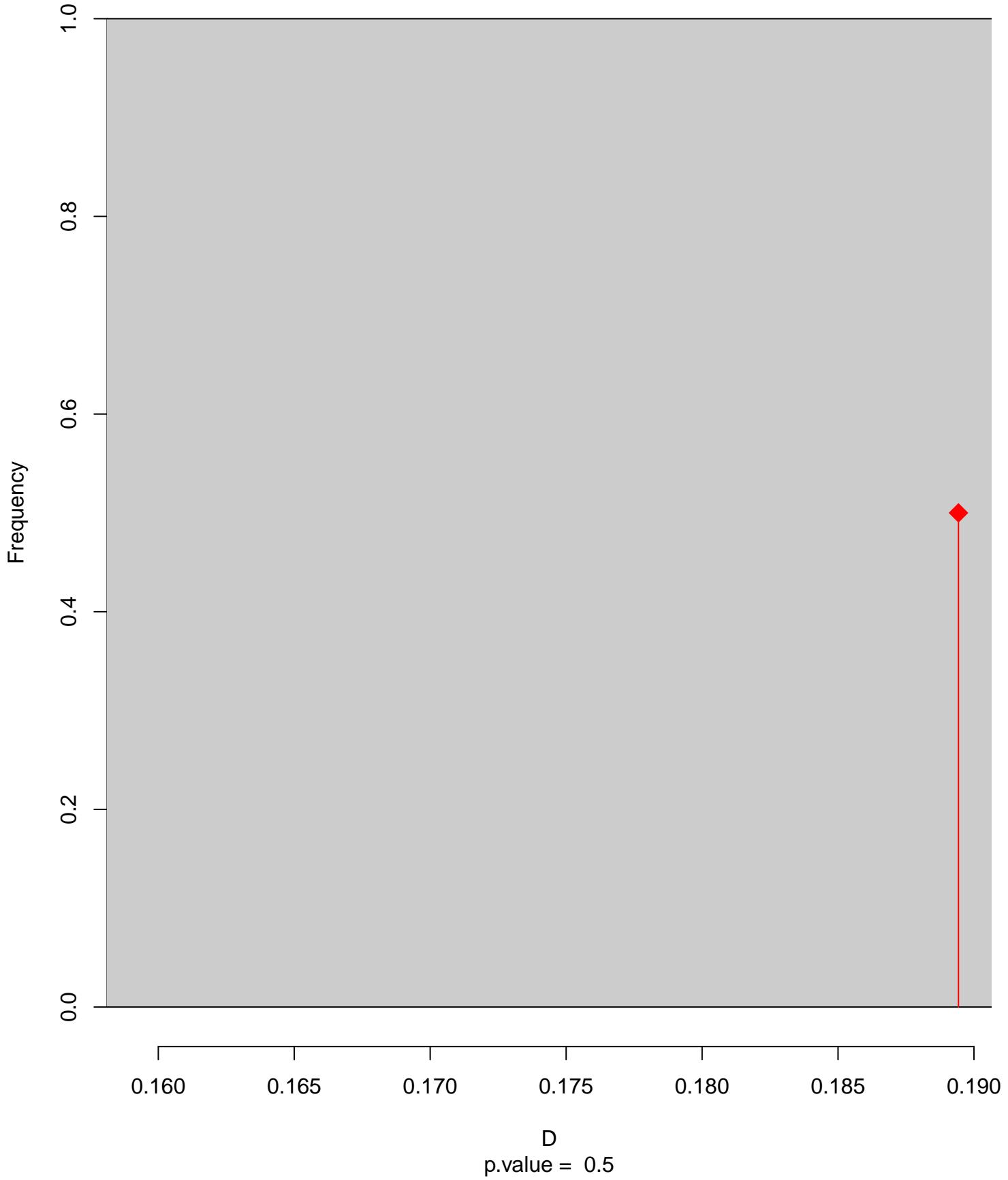


niche overlap:
 $D = 0.189$

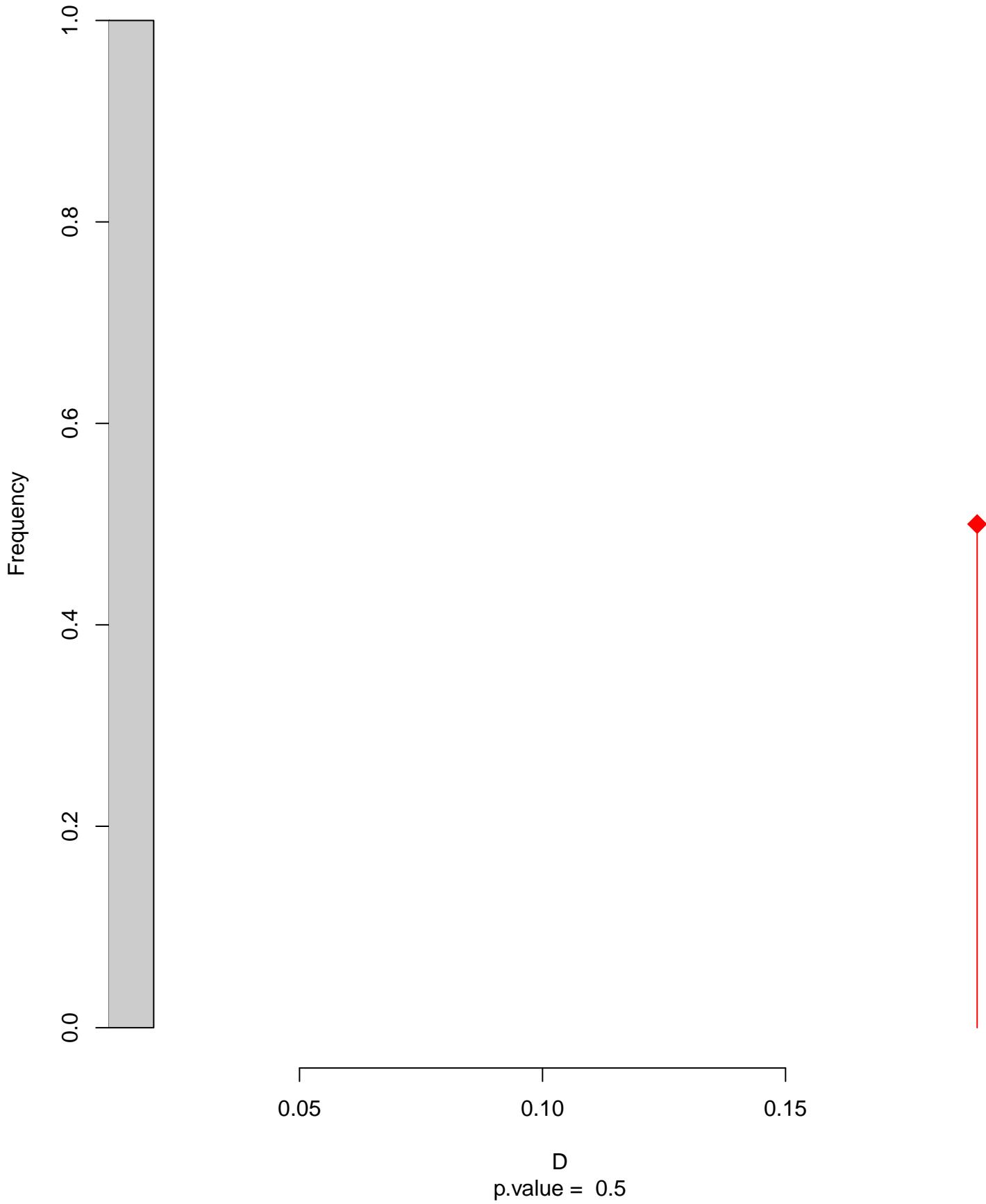
Equivalency



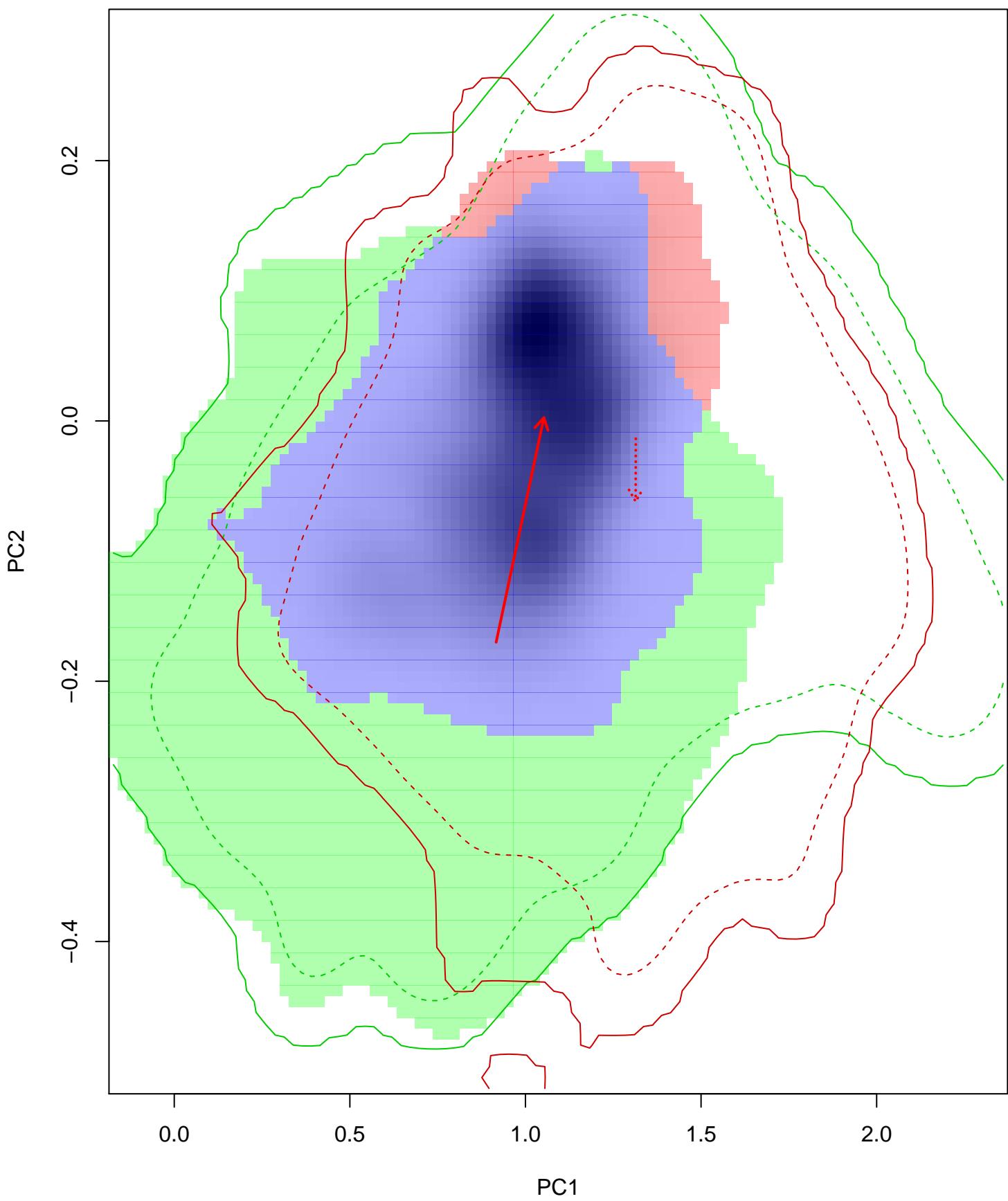
Similarity 2->1



Similarity 1→2

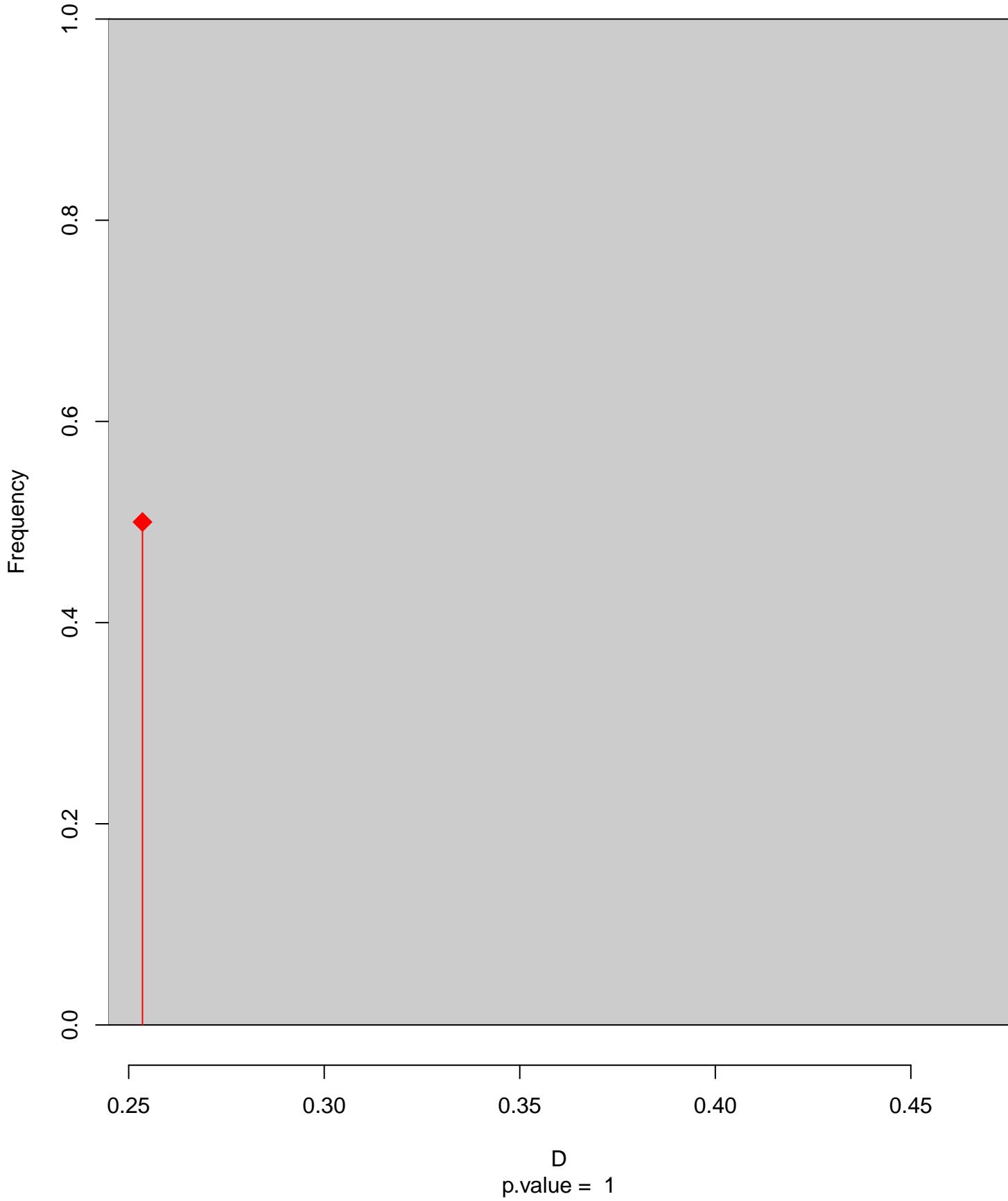


Hirundo_dimidiata seasonal overlap-hypo wi



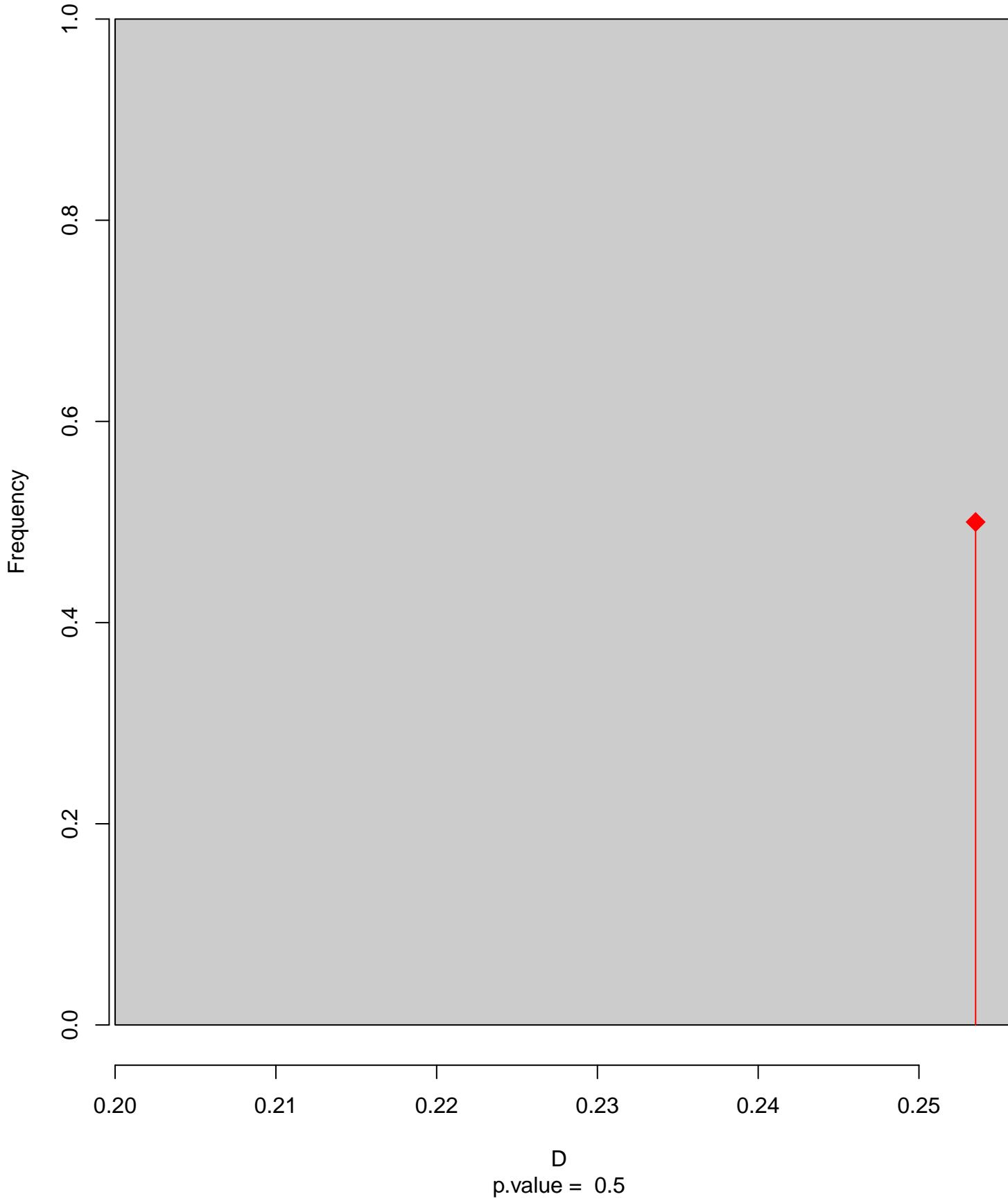
niche overlap:
 $D = 0.254$

Equivalency

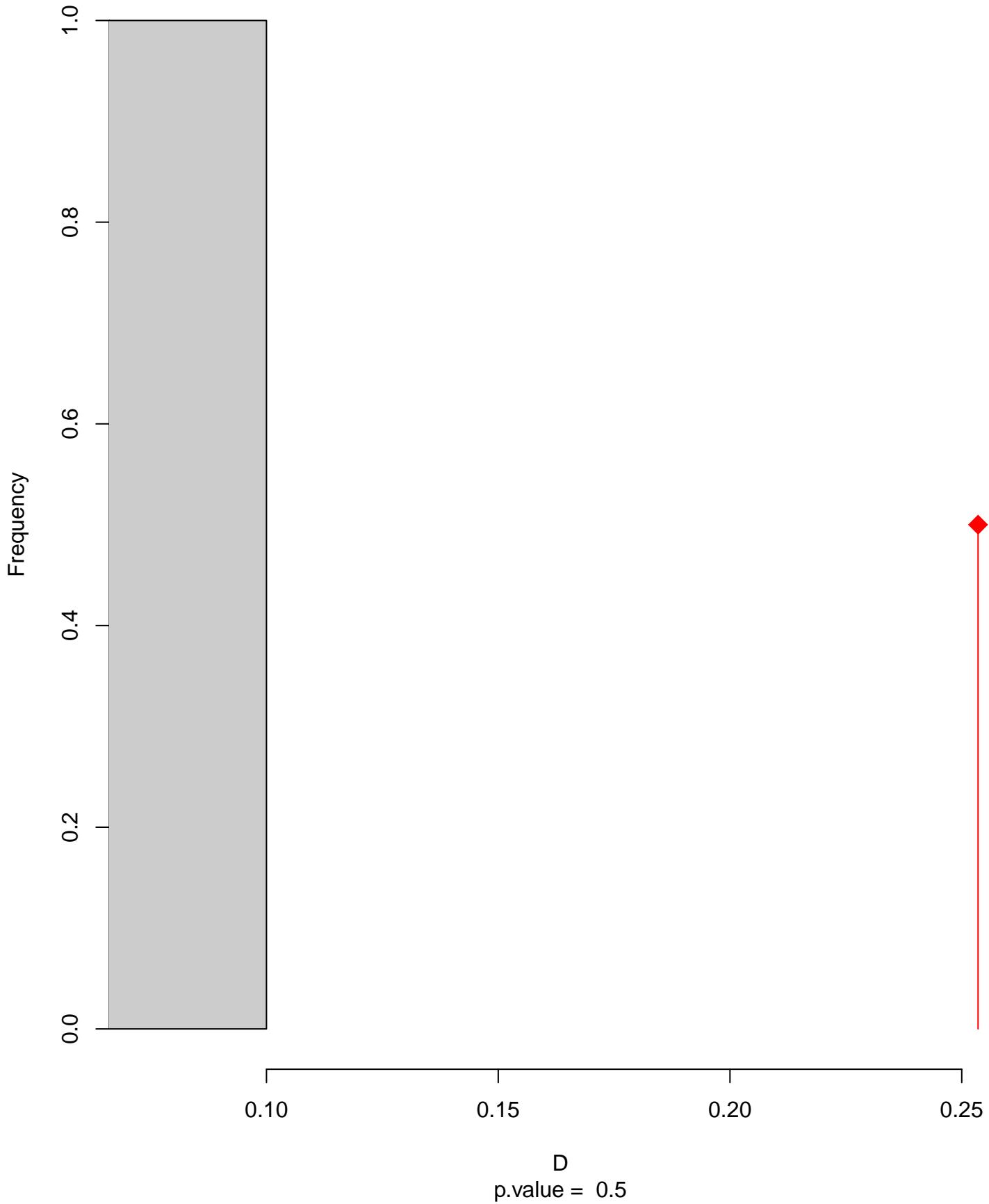


D
p.value = 1

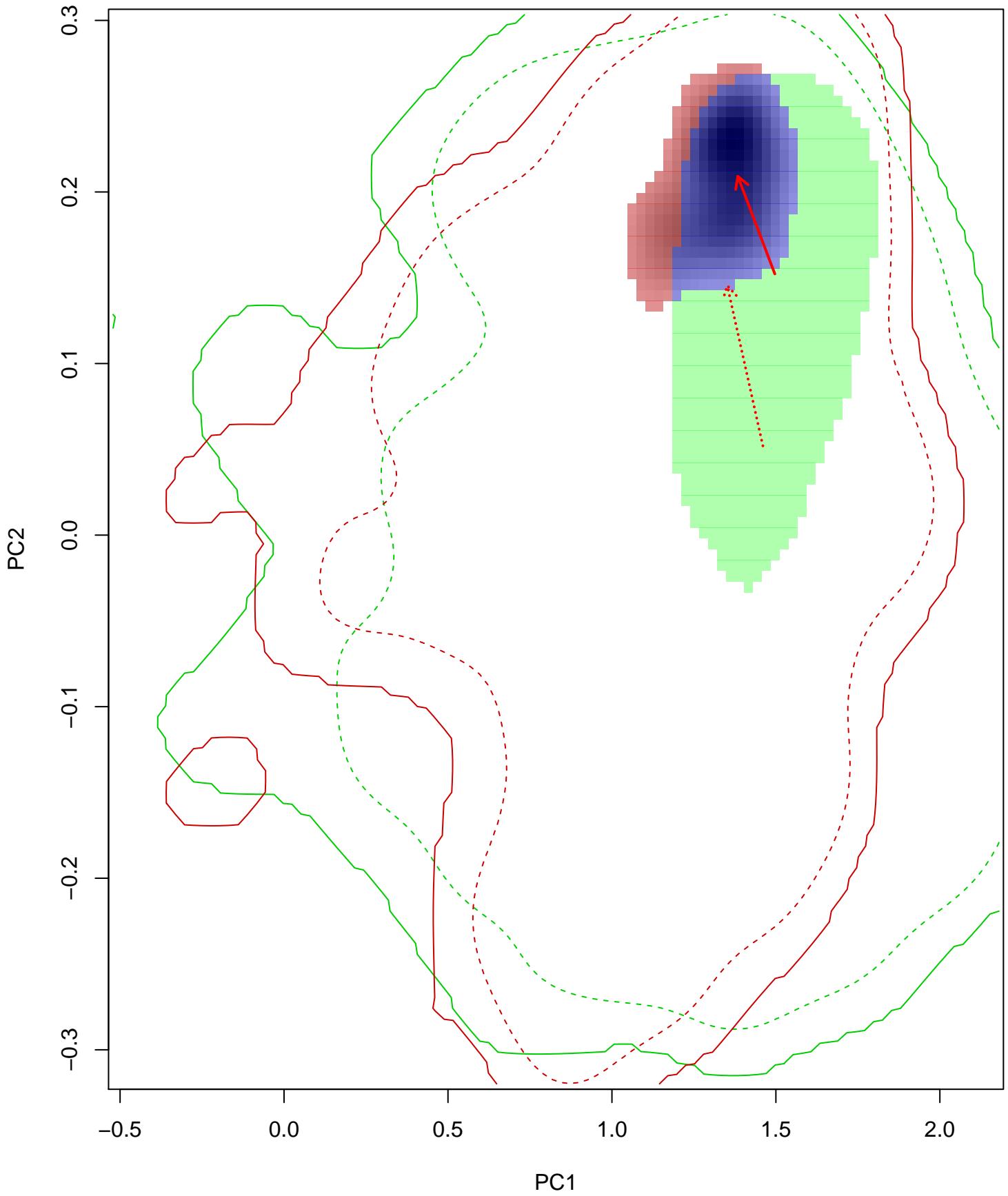
Similarity 2->1



Similarity 1→2

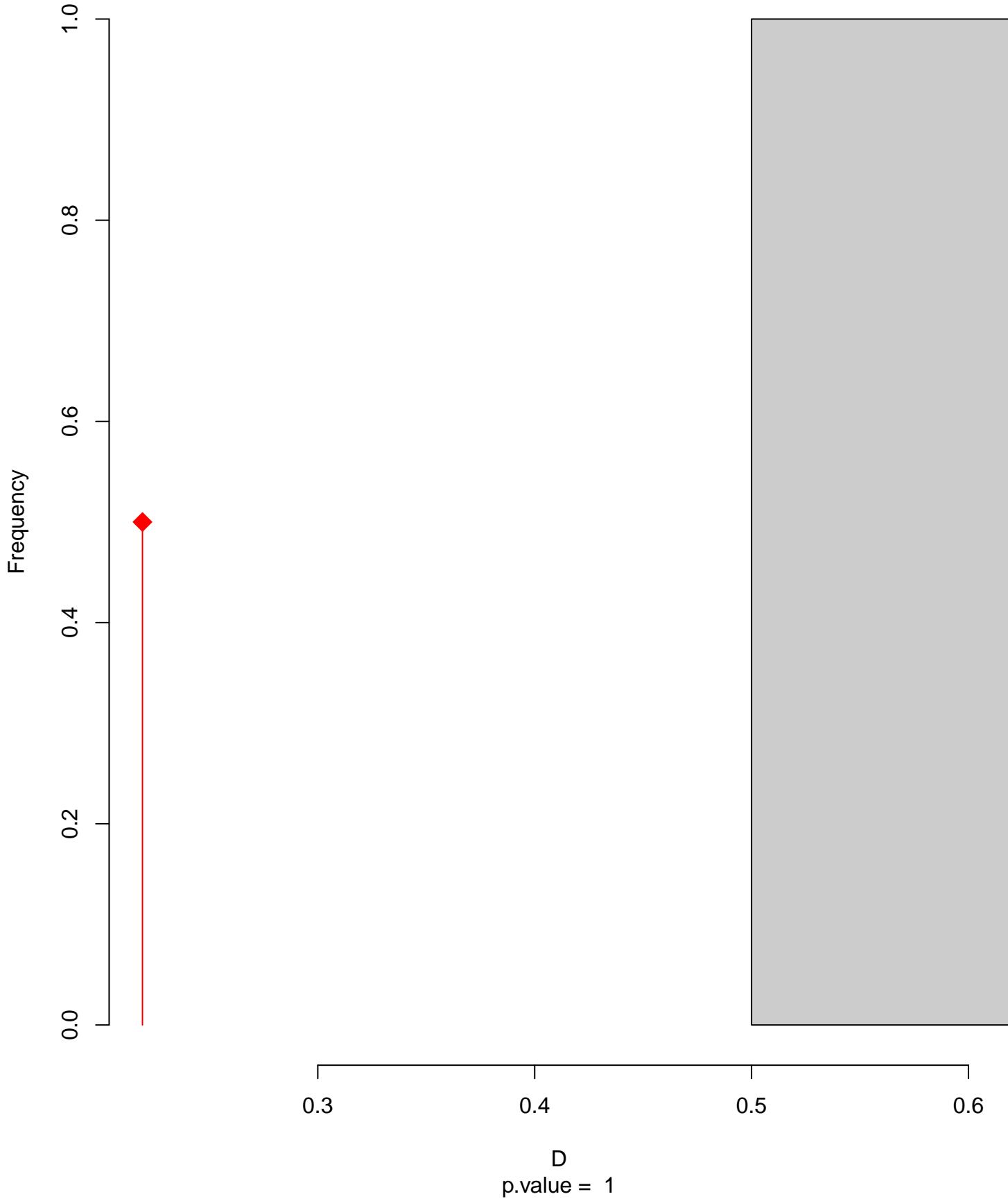


Hirundo_domicola seasonal overlap

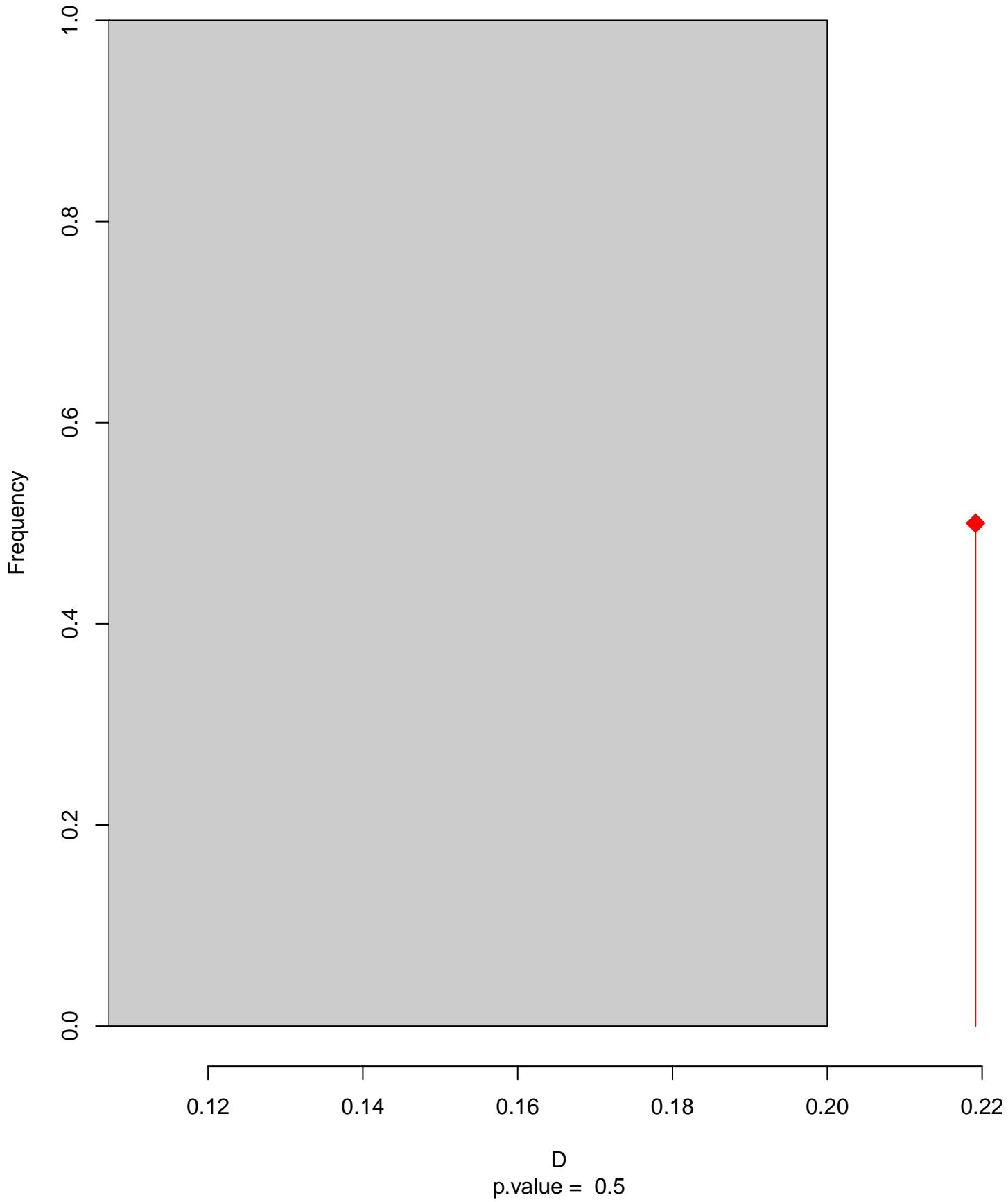


niche overlap:
 $D = 0.219$

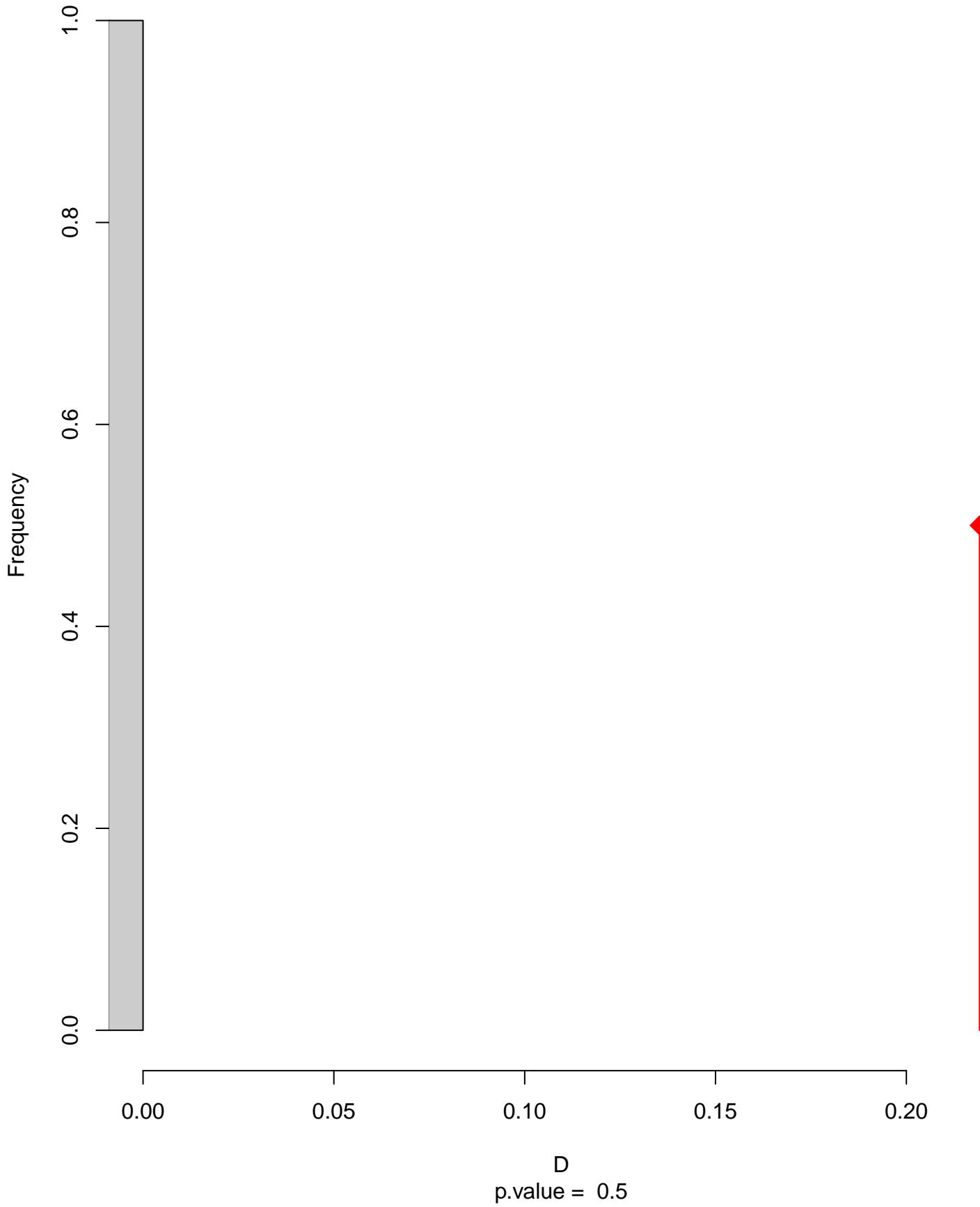
Equivalency



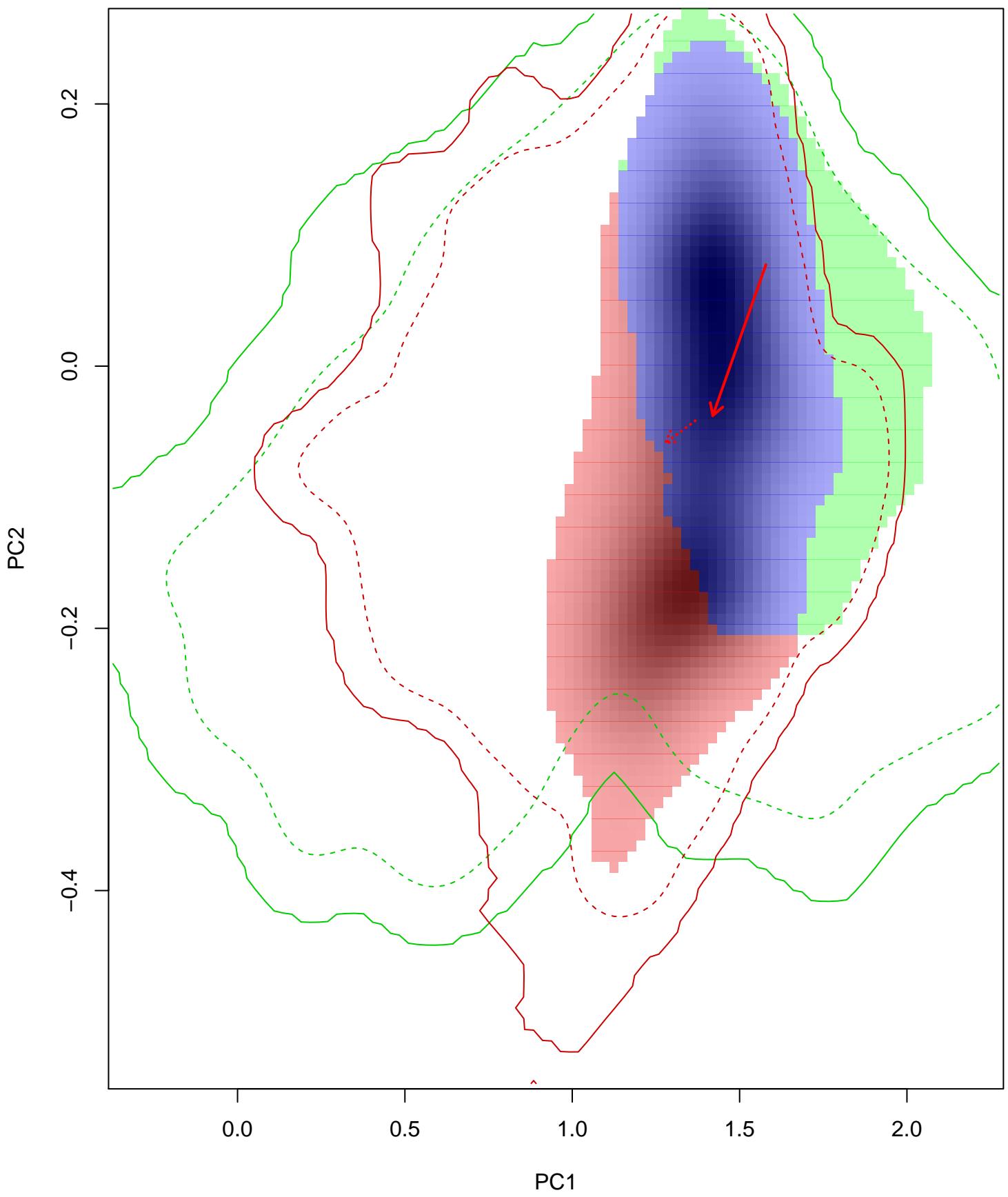
Similarity 2->1



Similarity 1→2

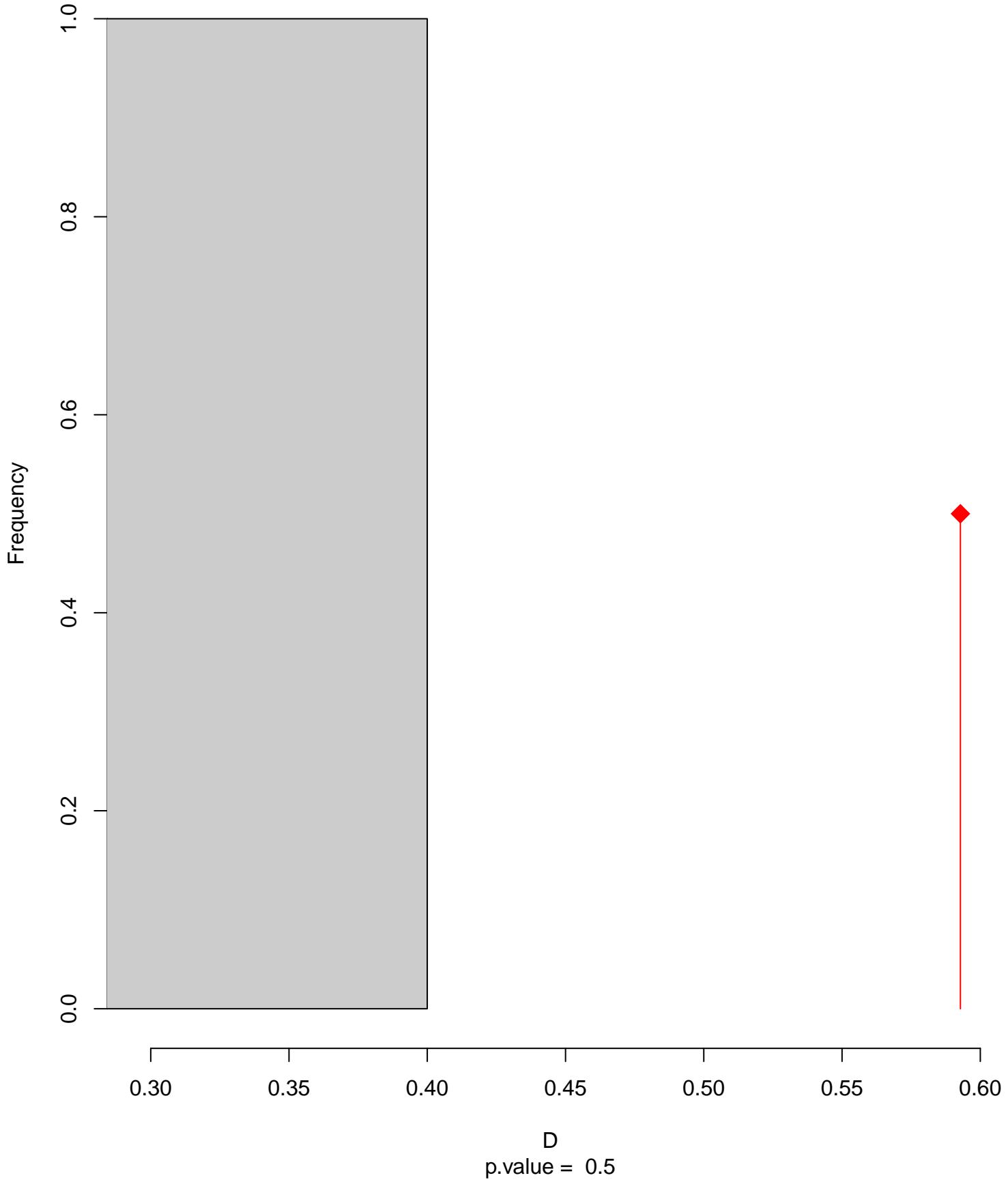


Hirundo_leucosoma seasonal overlap

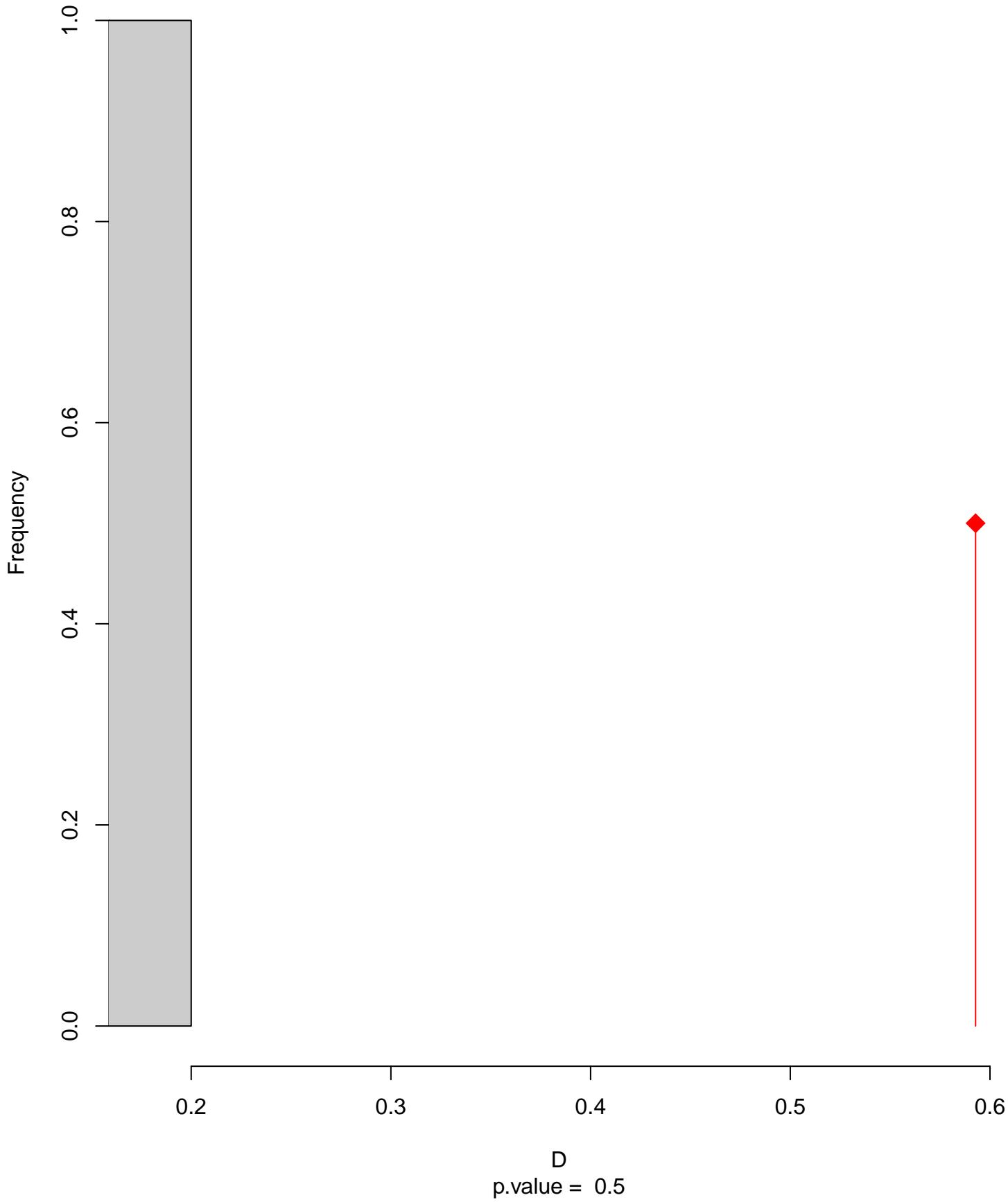


niche overlap:
 $D = 0.593$

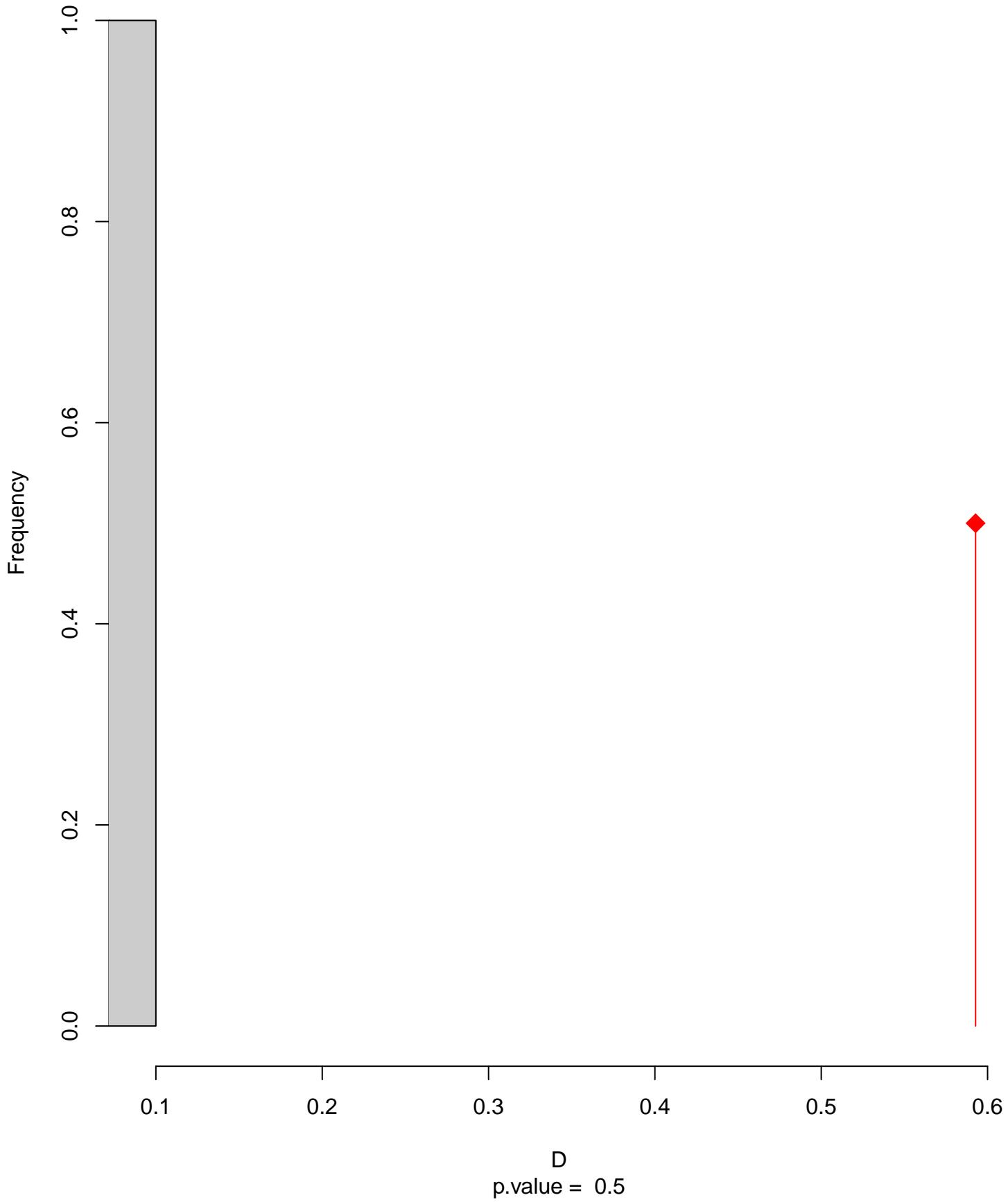
Equivalency



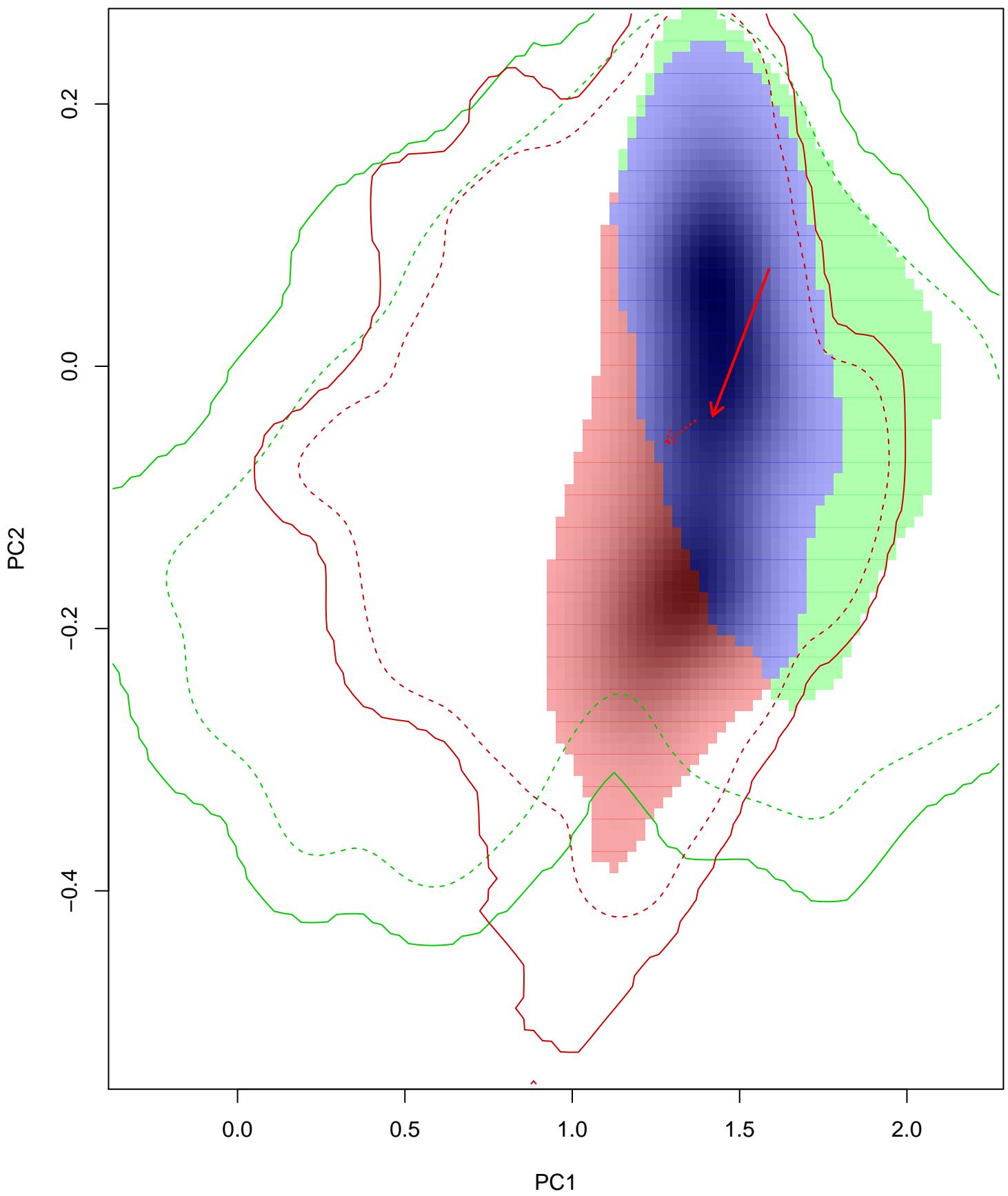
Similarity 2->1



Similarity 1→2

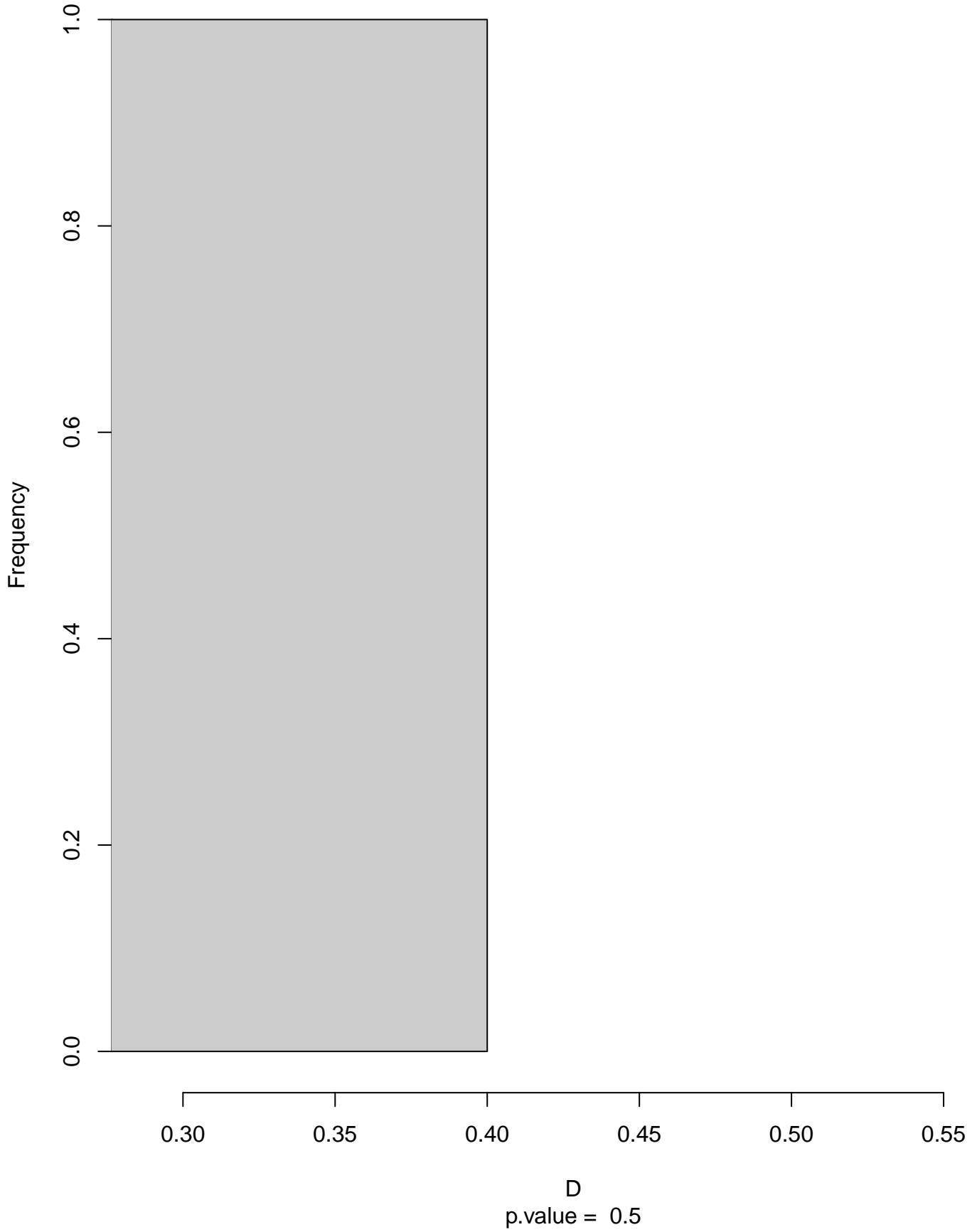


Hirundo_leucosoma seasonal overlap-hypo.br

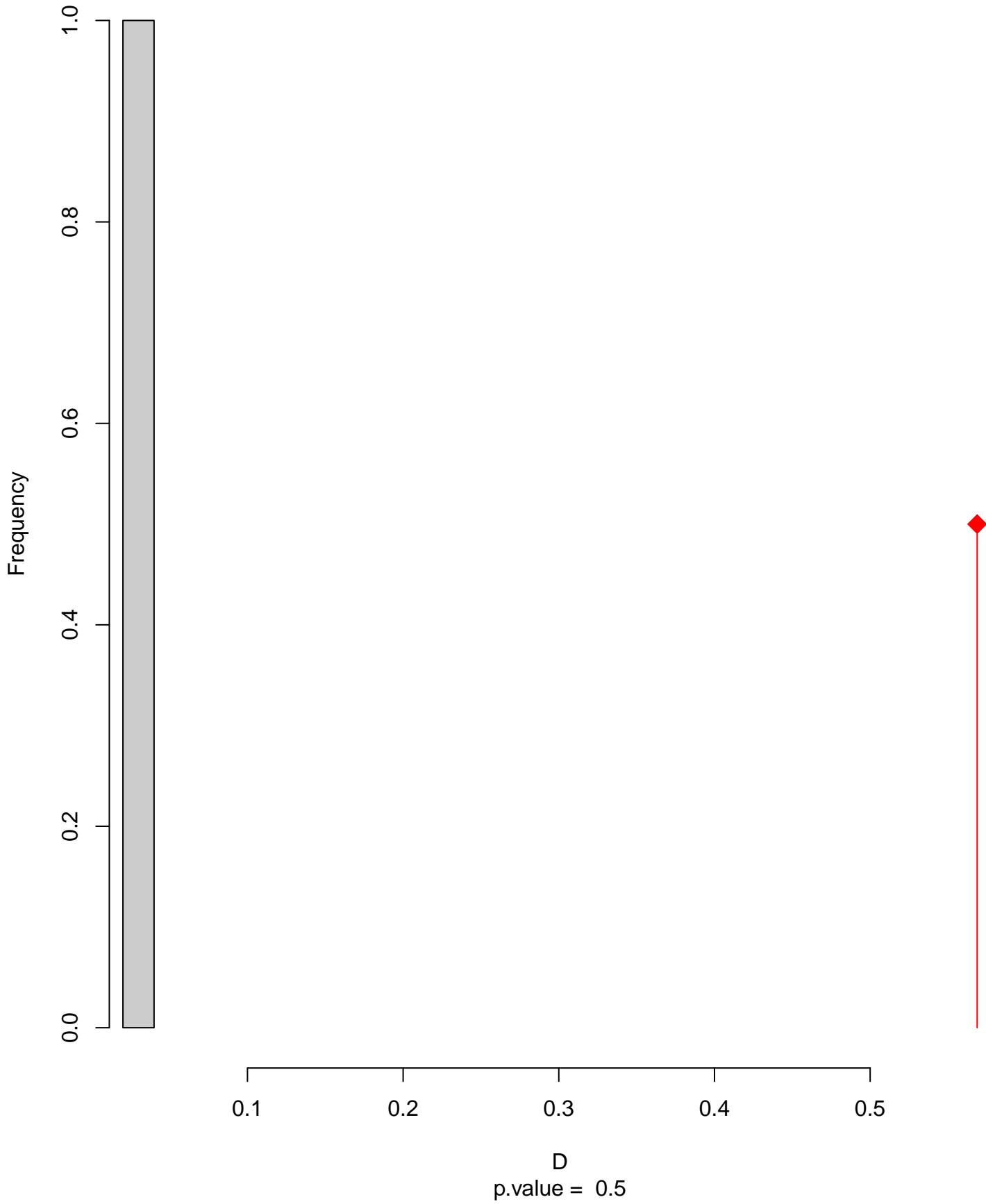


niche overlap:
 $D = 0.569$

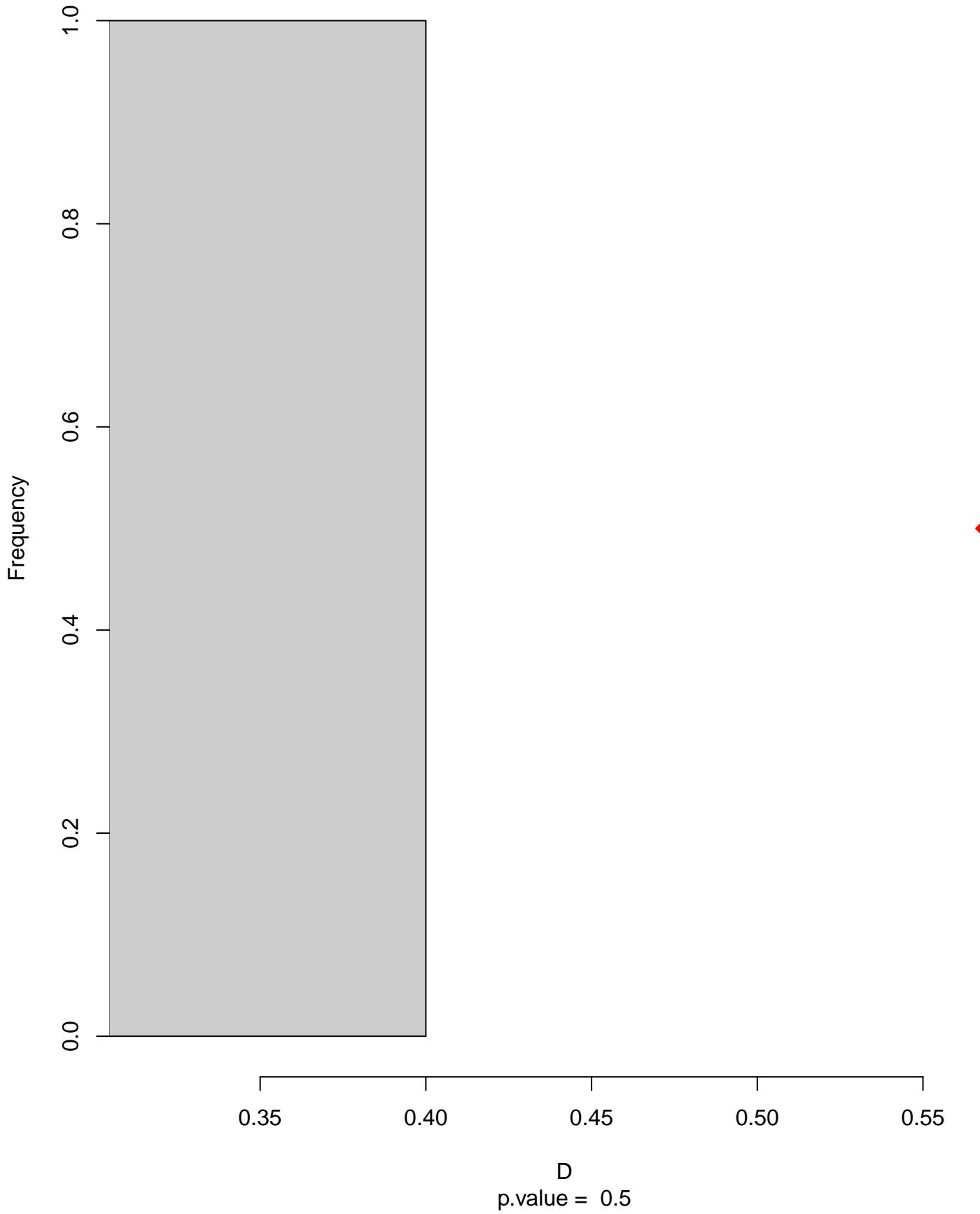
Equivalency



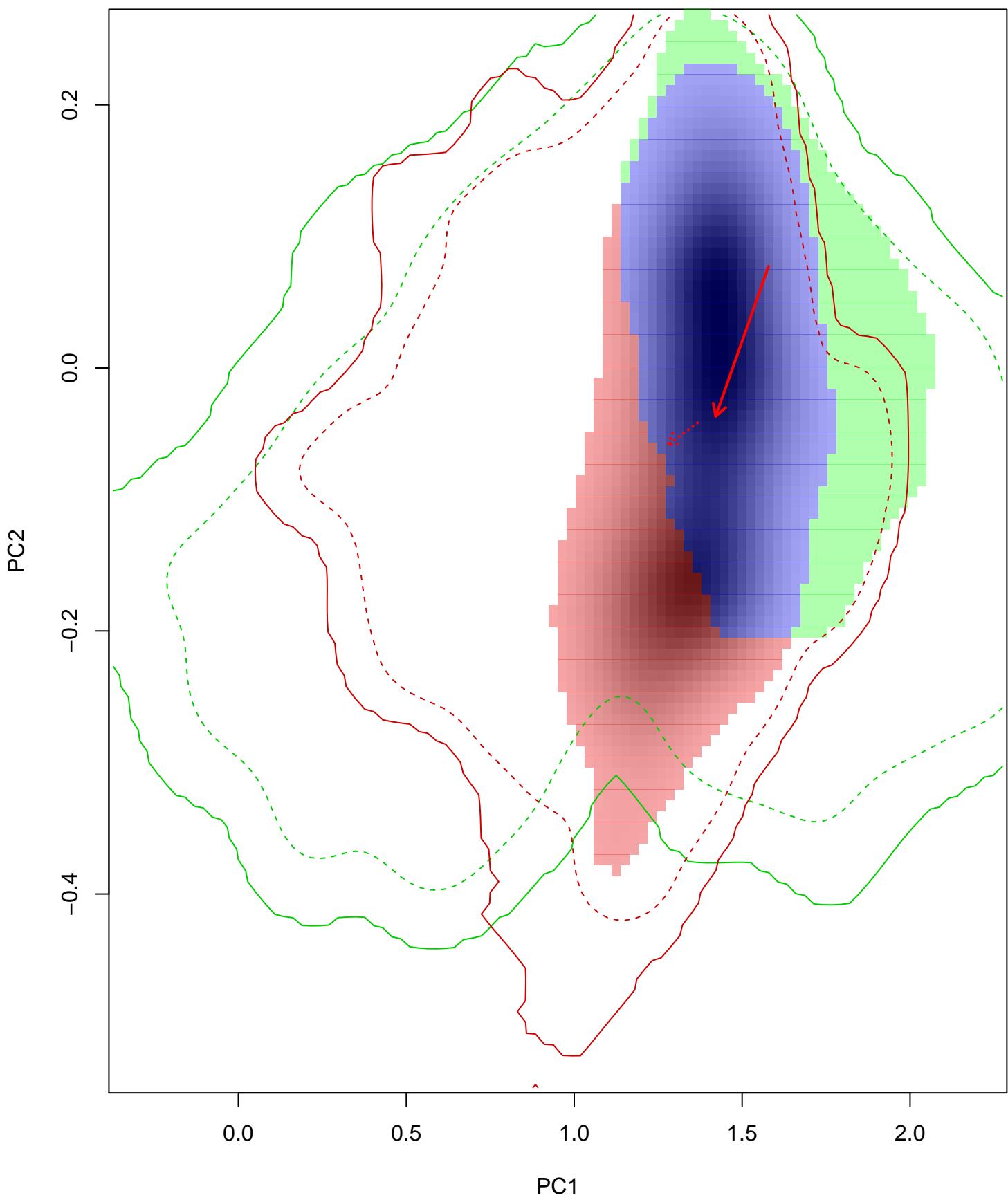
Similarity 2->1



Similarity 1→2

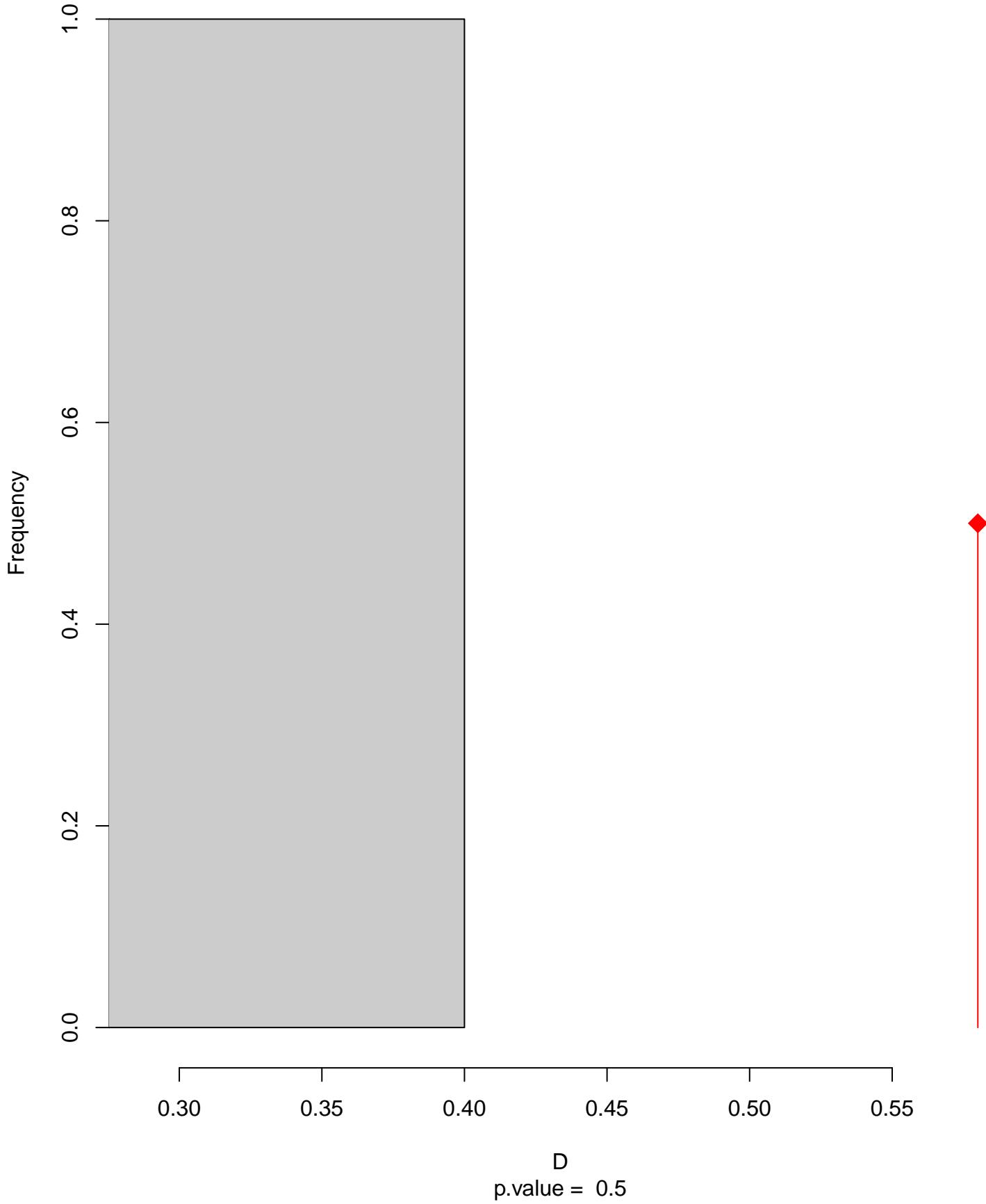


Hirundo_leucosoma seasonal overlap-hypo wi

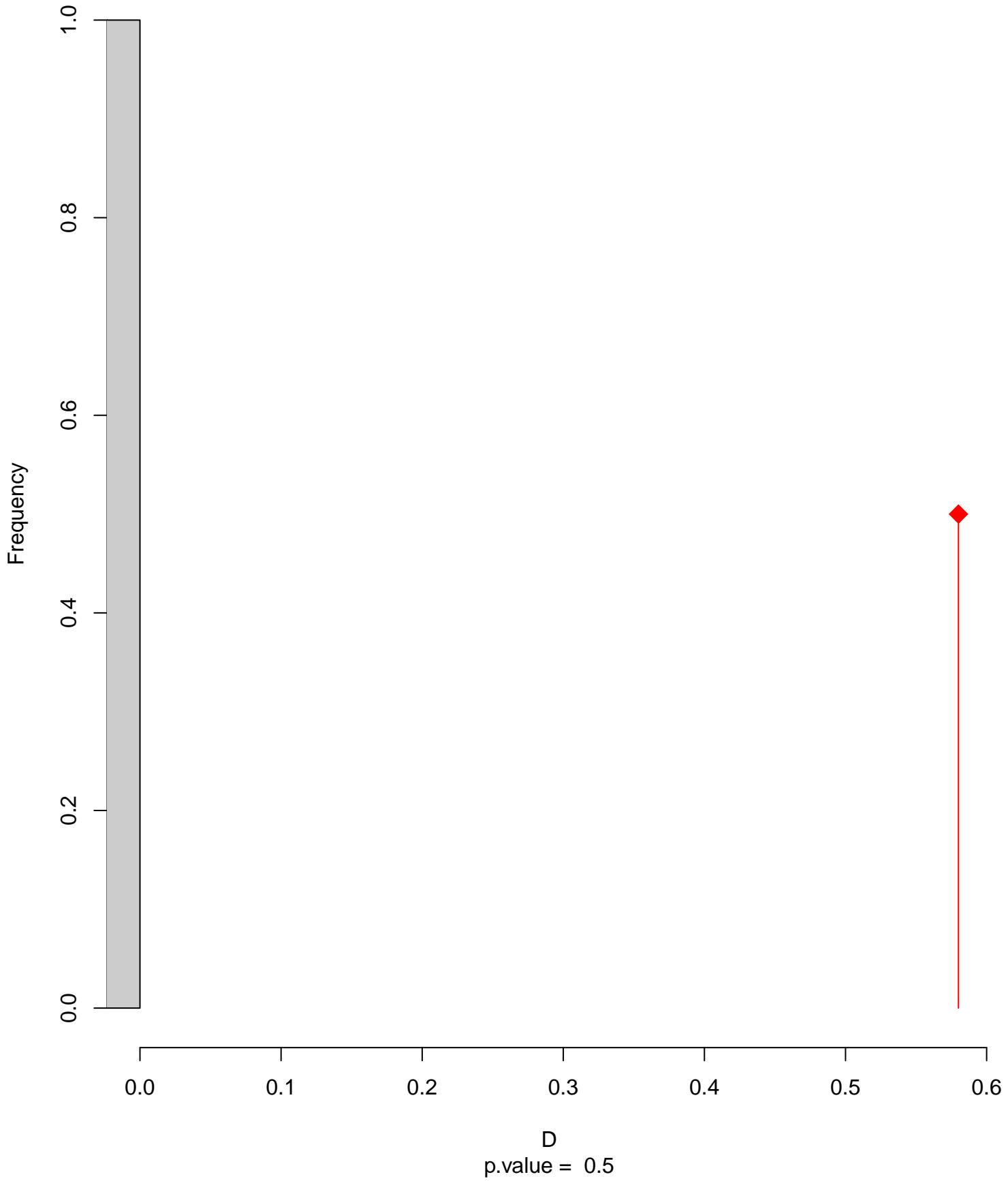


niche overlap:
 $D = 0.58$

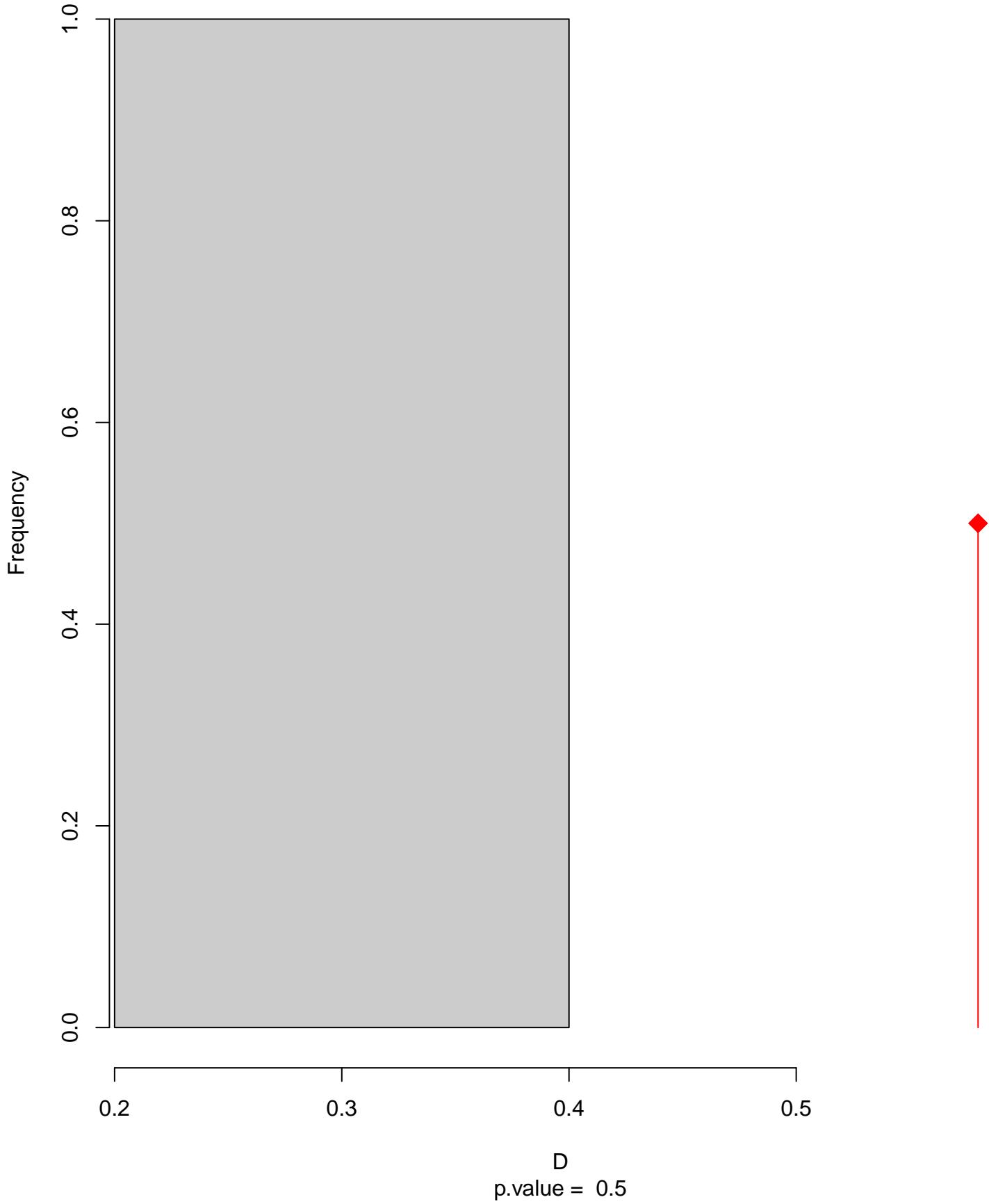
Equivalency



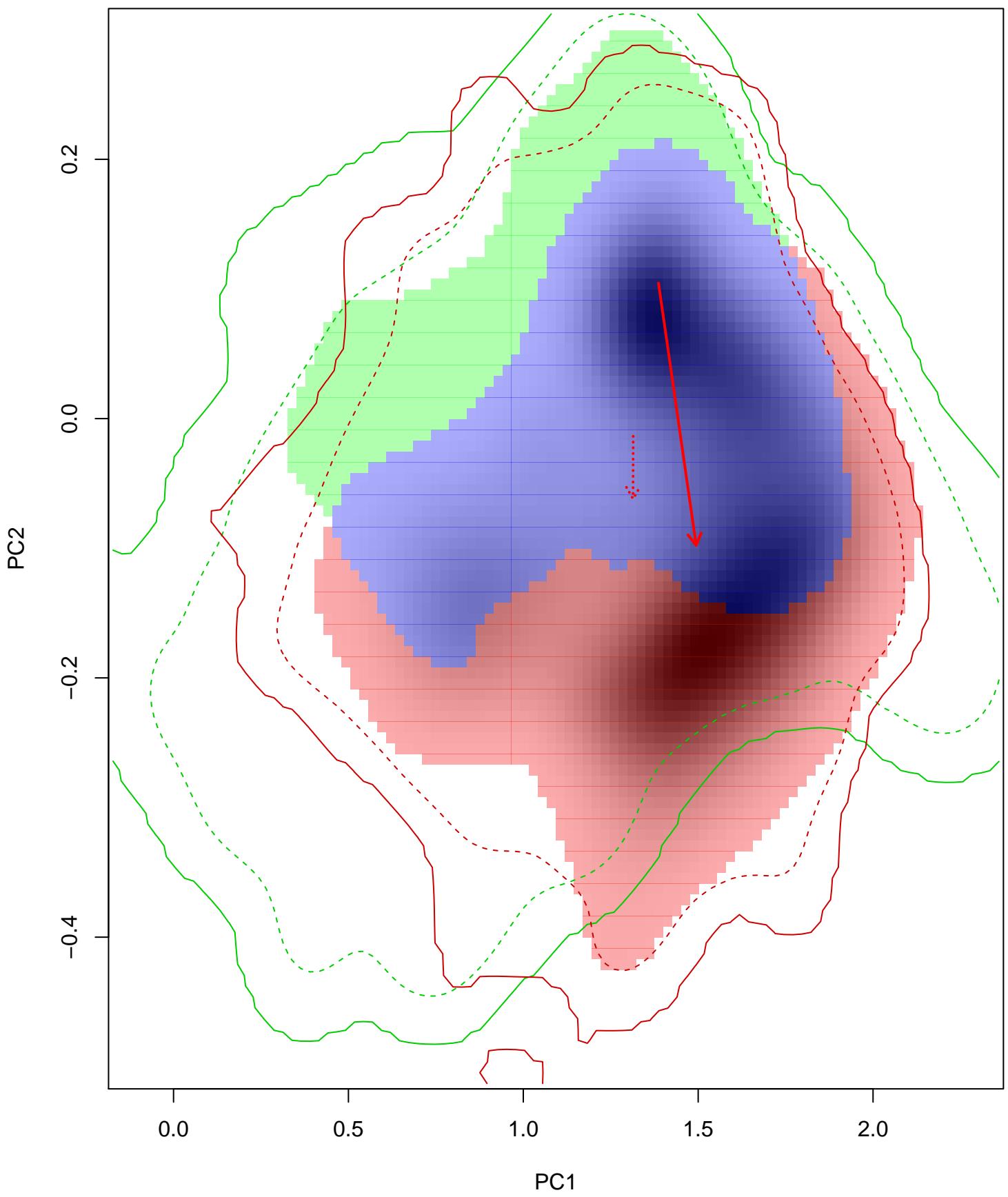
Similarity 2->1



Similarity 1→2

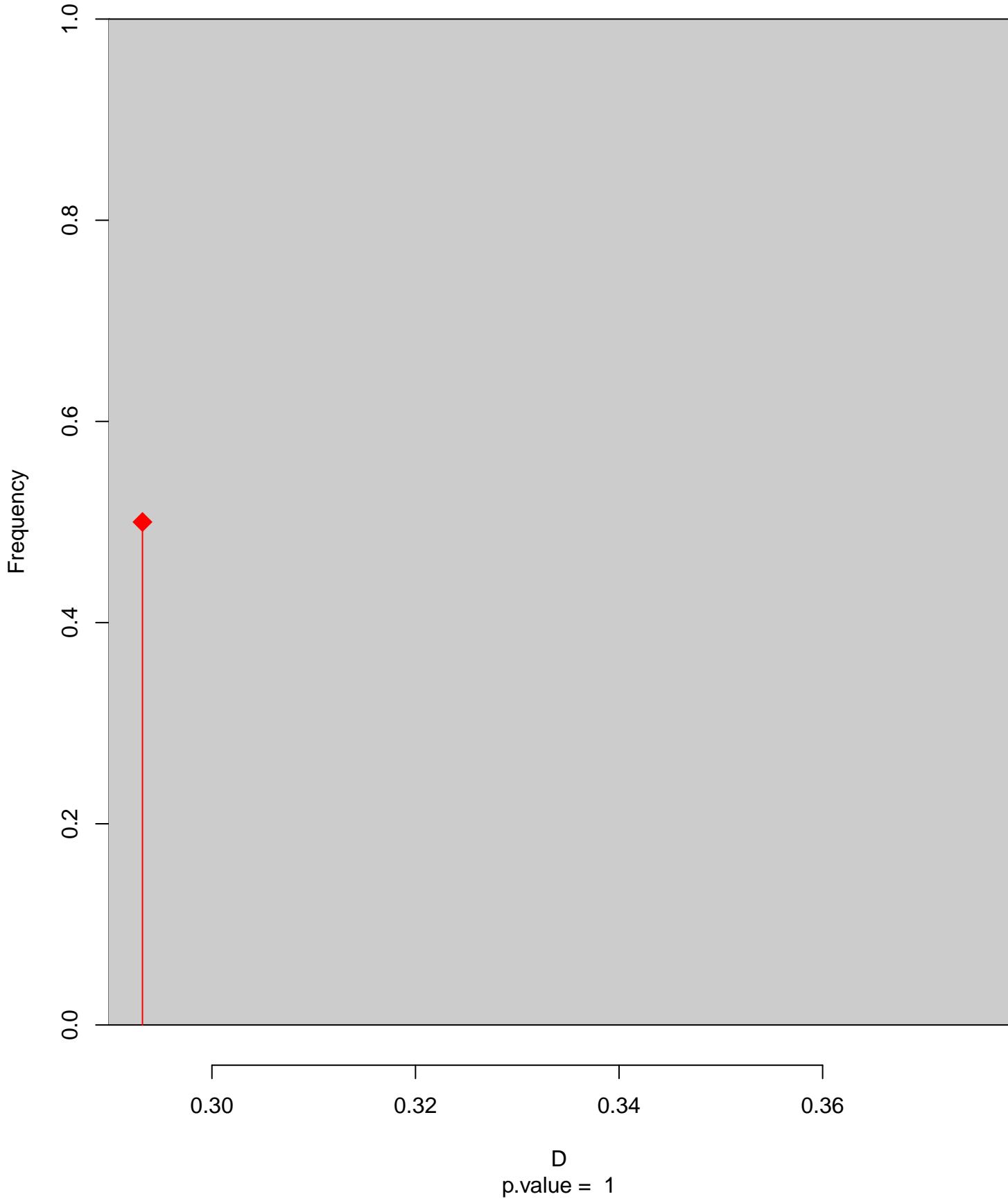


Hirundo_lucida seasonal overlap

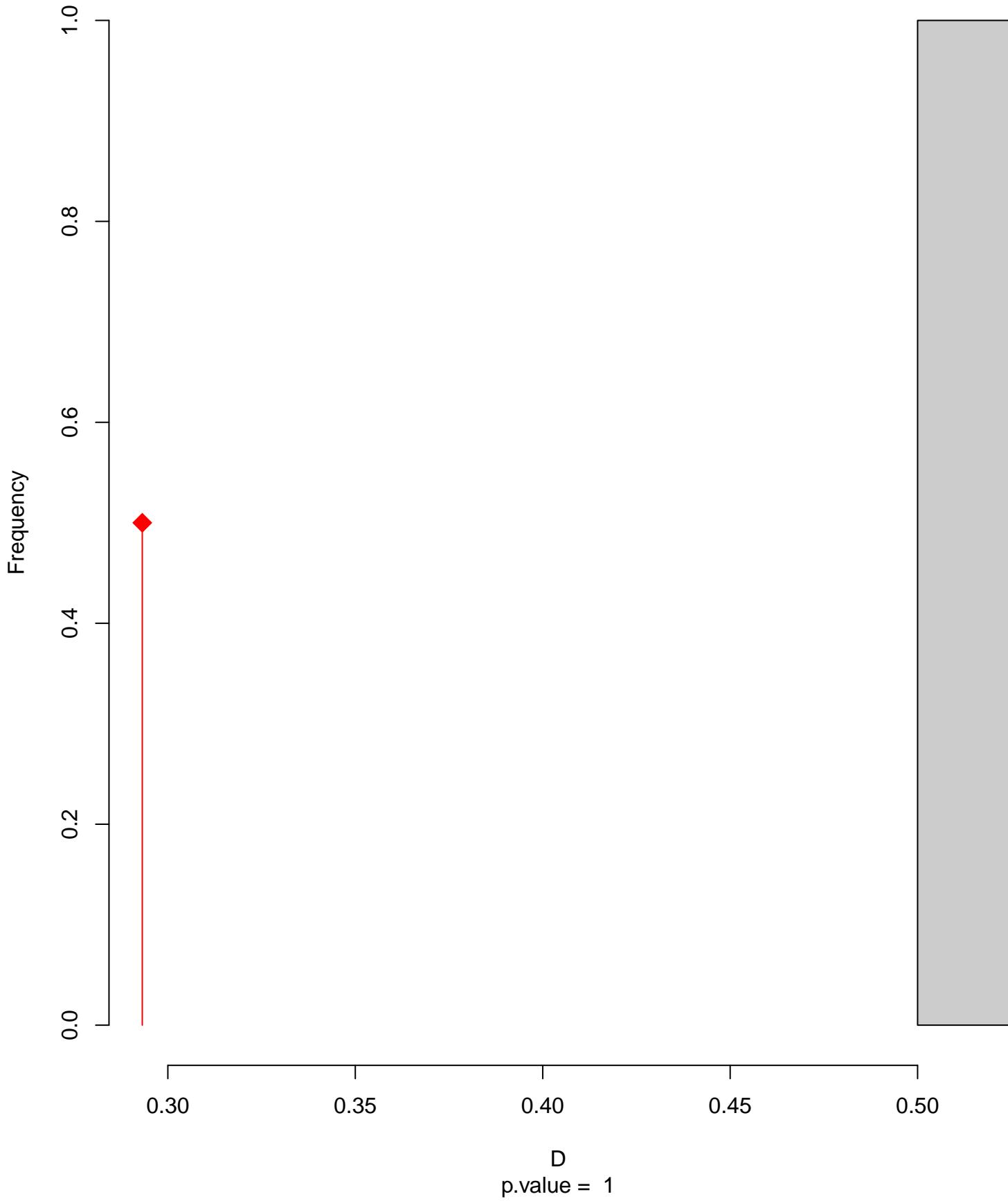


niche overlap:
 $D = 0.293$

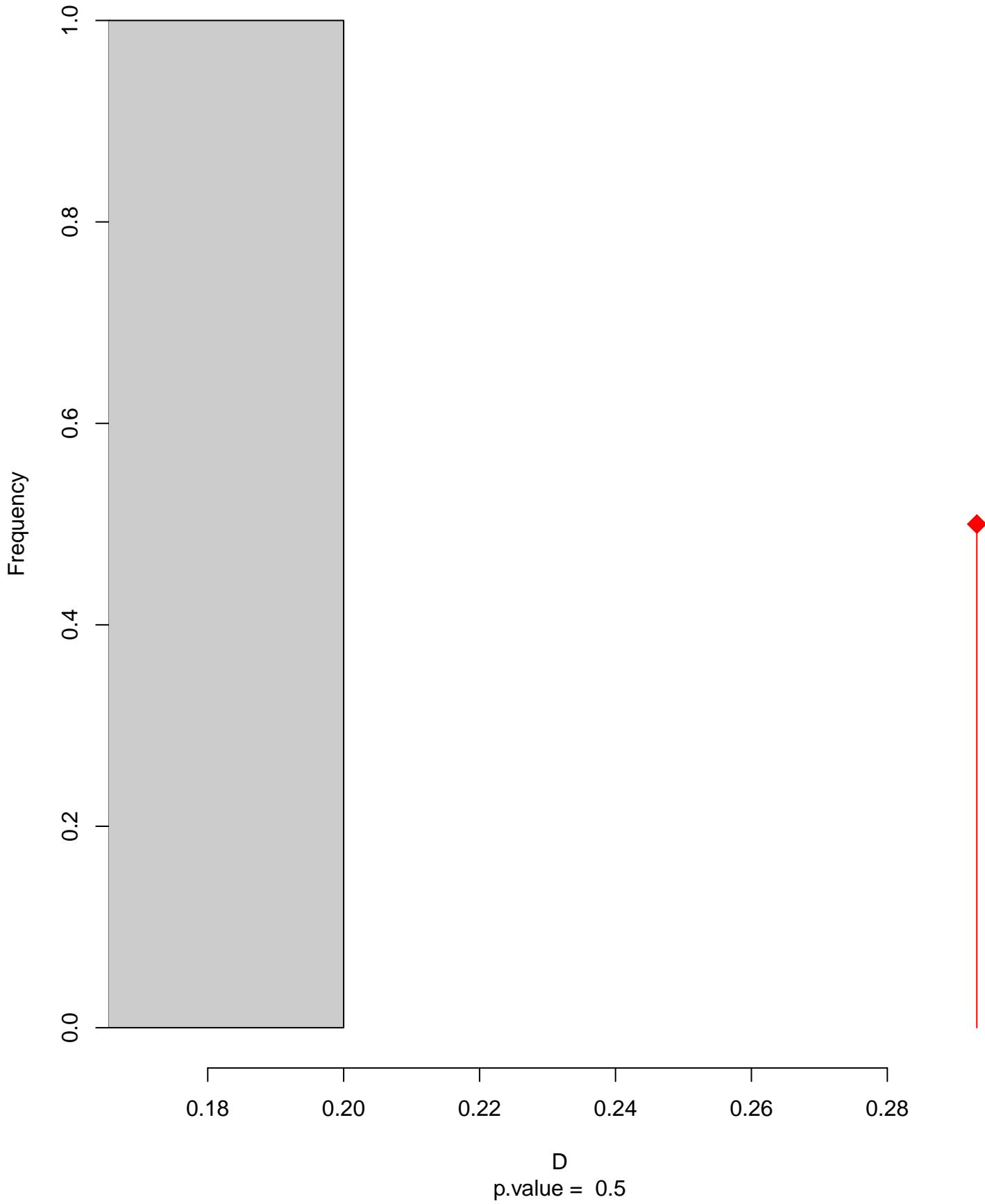
Equivalency



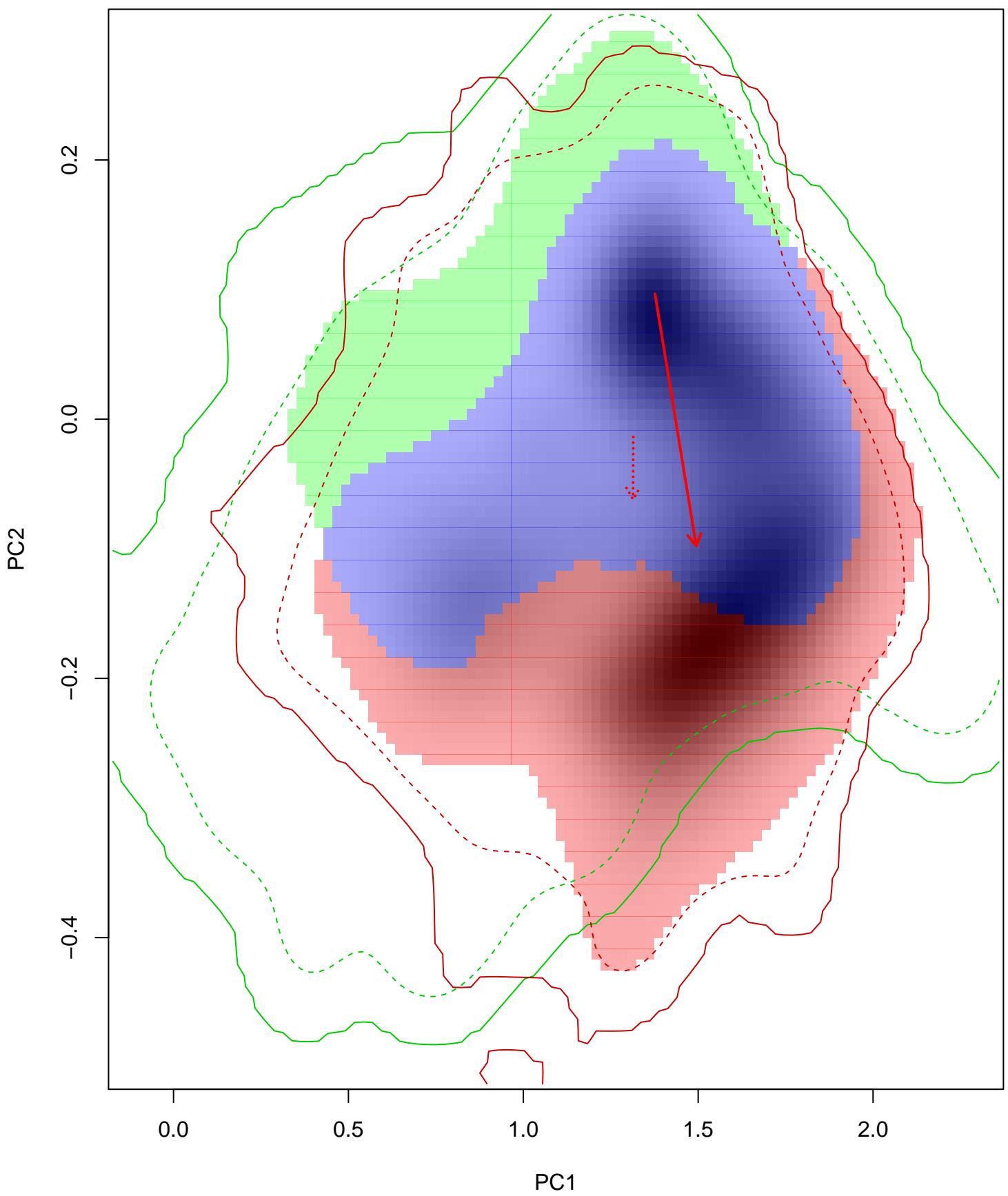
Similarity 2->1



Similarity 1→2

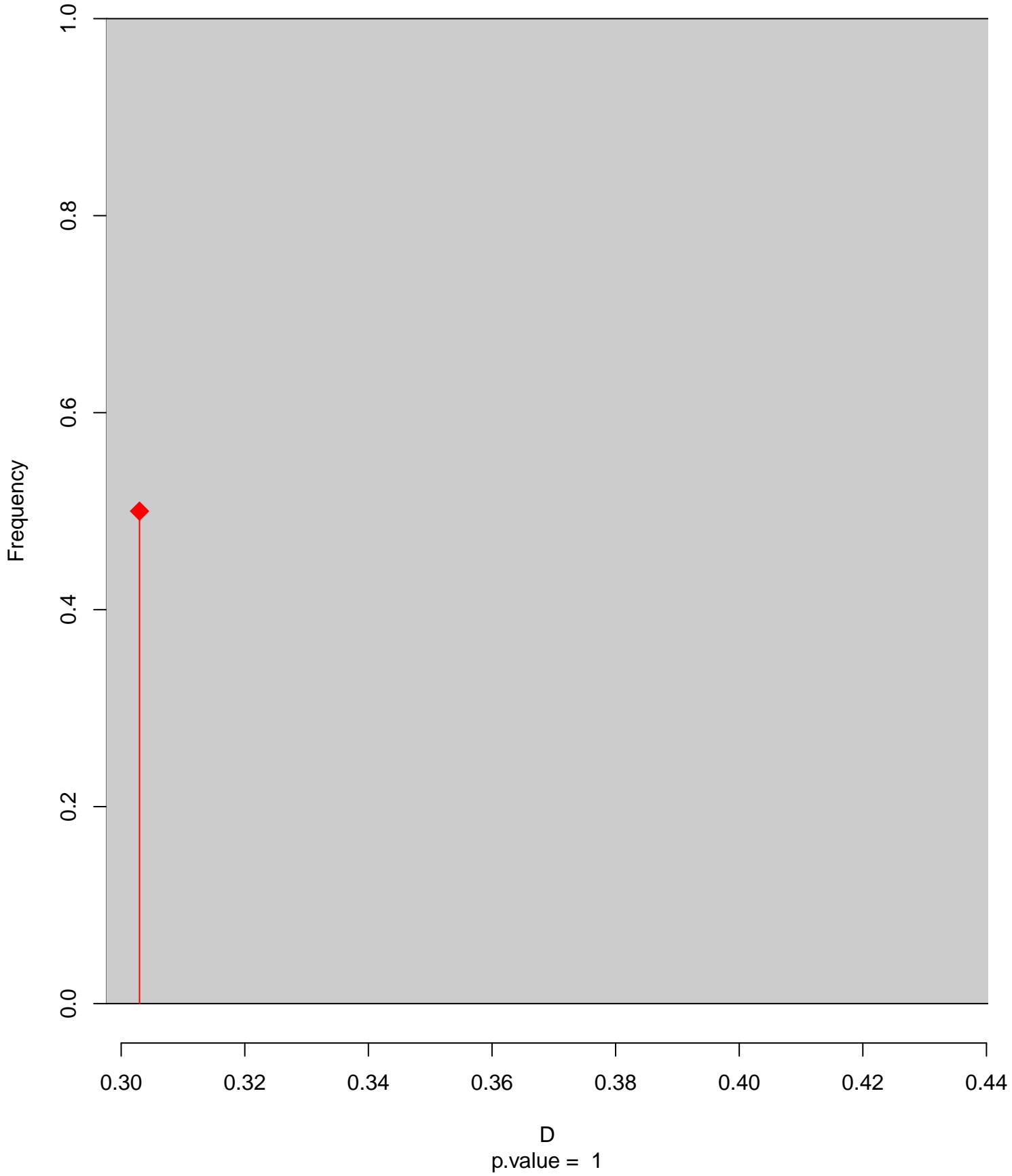


Hirundo_lucida seasonal overlap-hypo.br

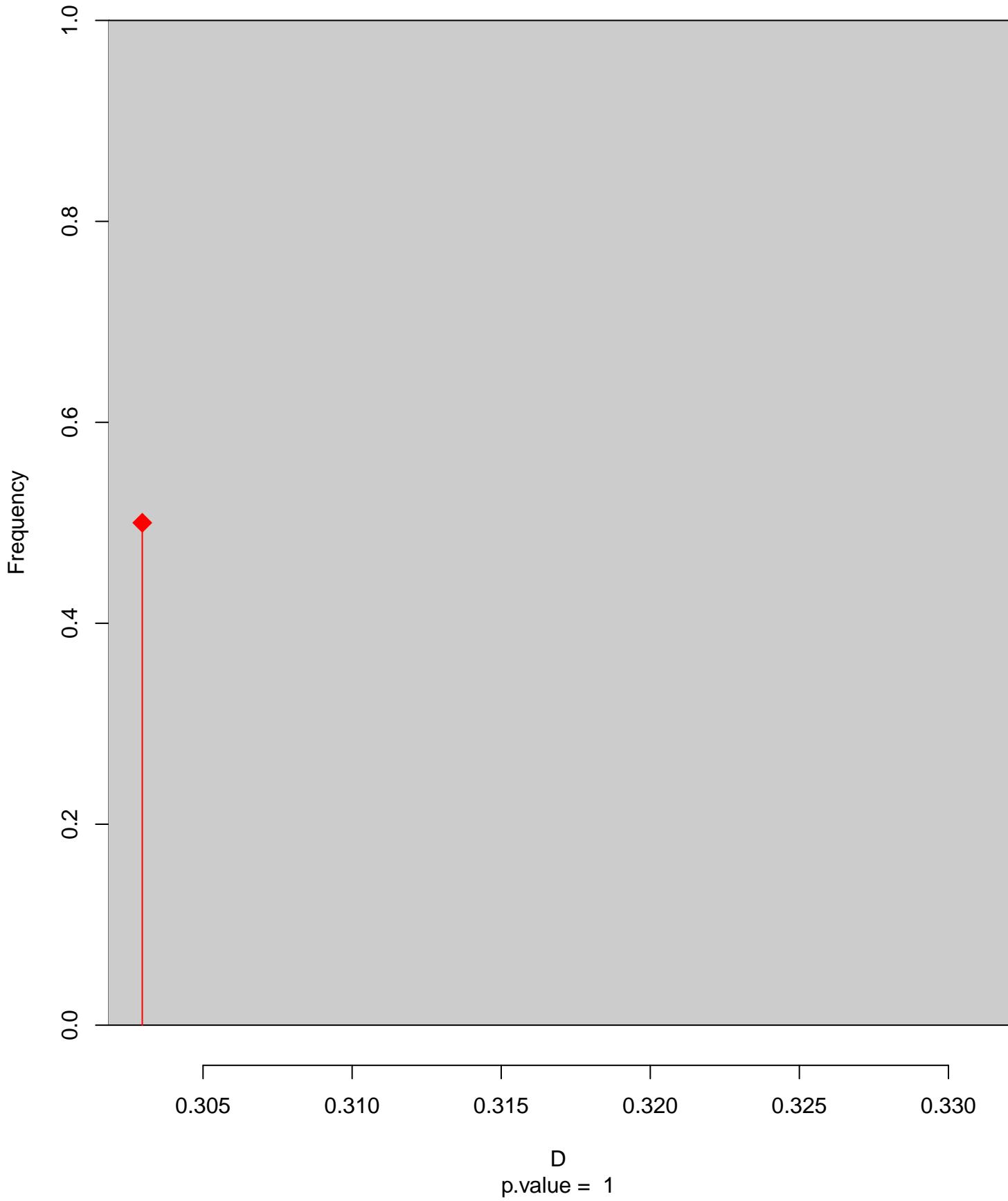


niche overlap:
 $D = 0.303$

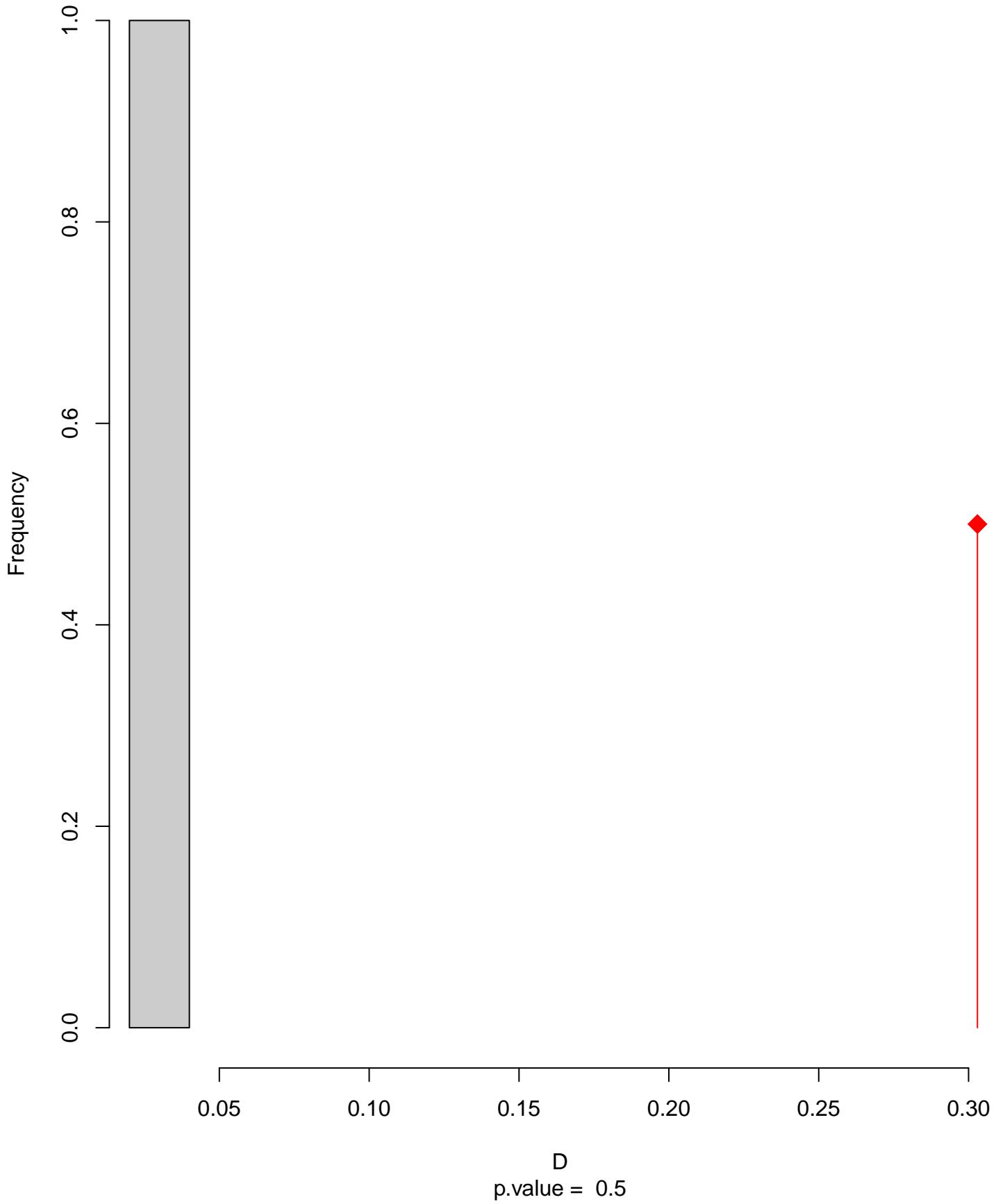
Equivalency



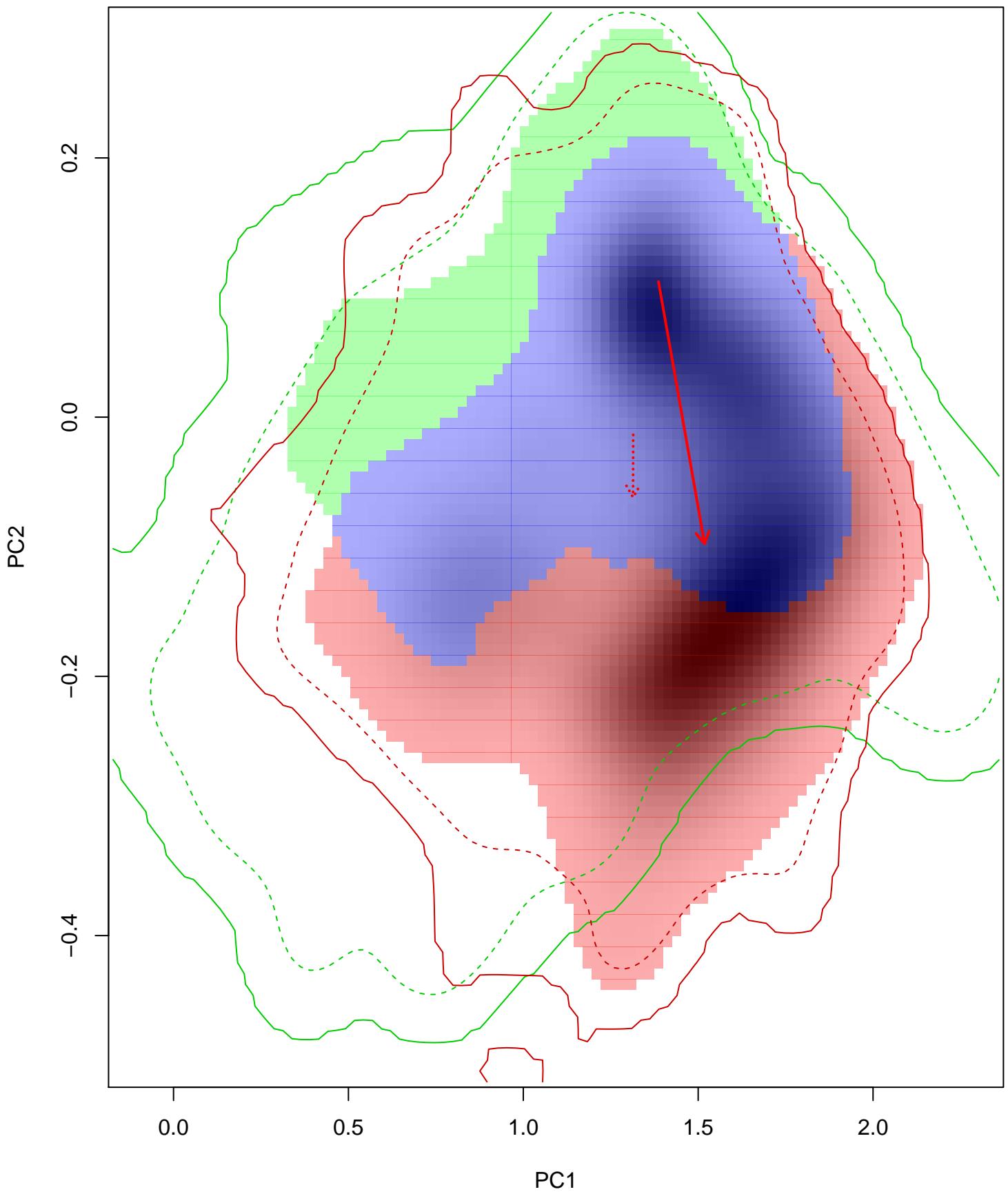
Similarity 2->1



Similarity 1→2

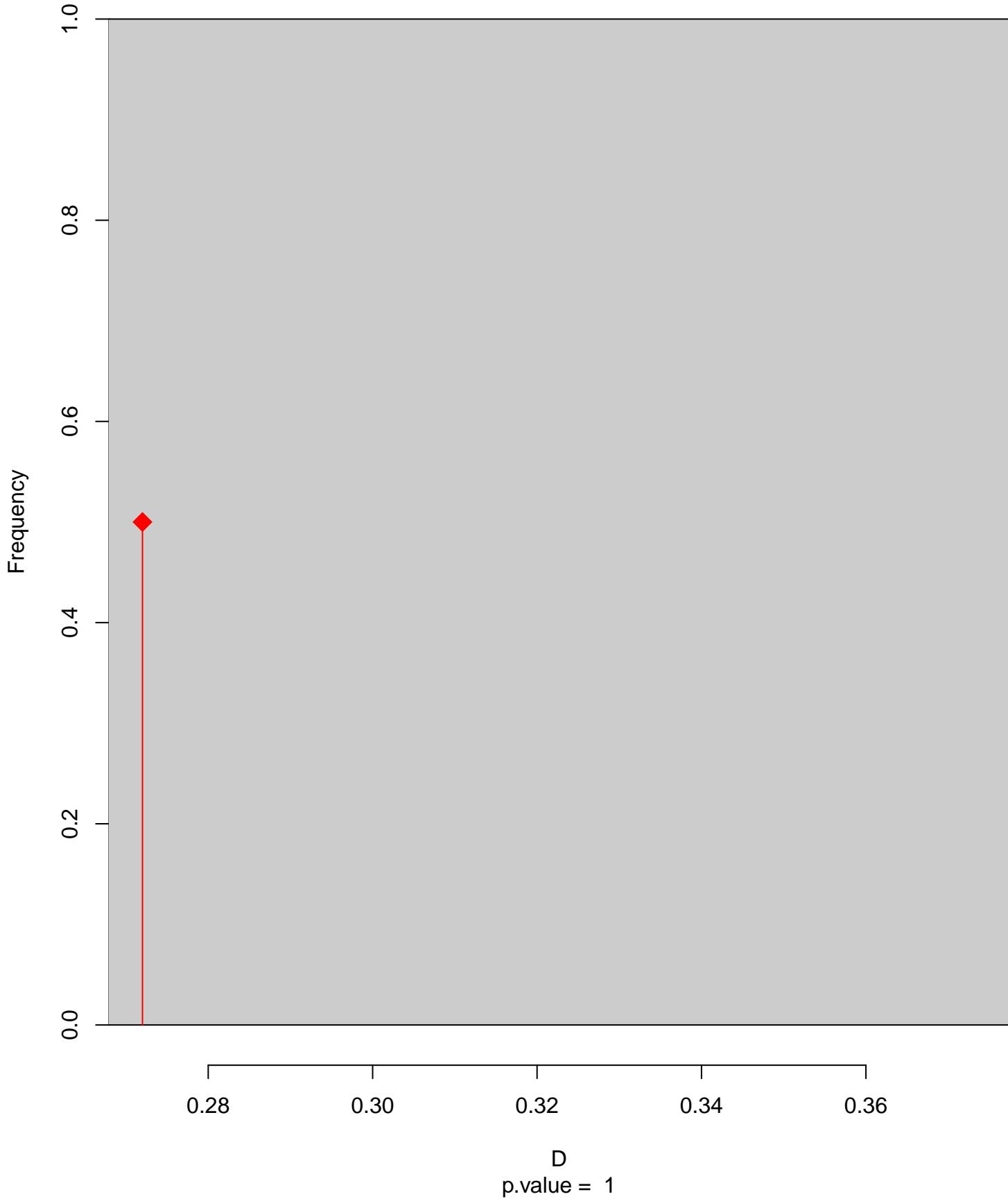


Hirundo_lucida seasonal overlap-hypo wi

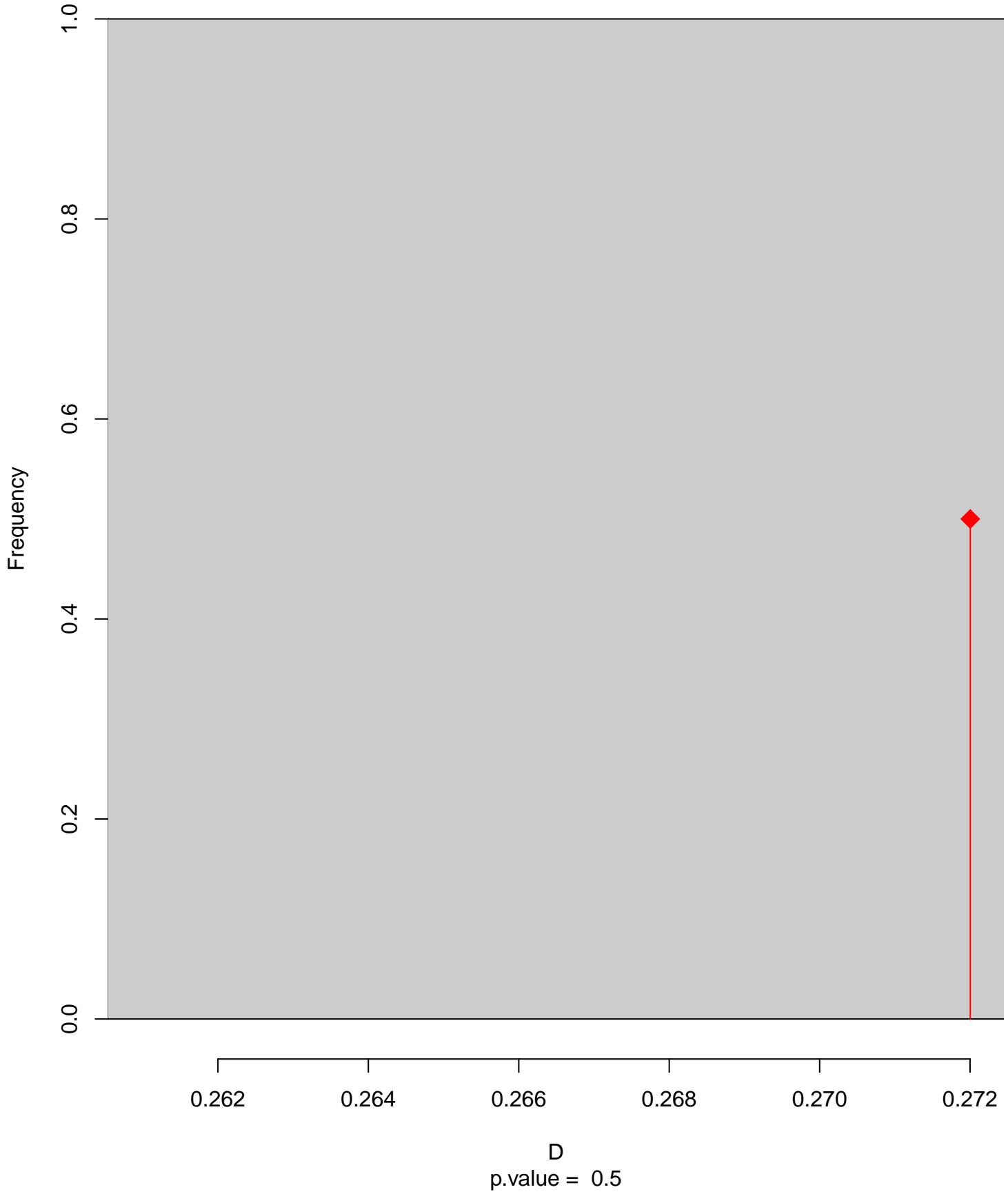


niche overlap:
 $D = 0.272$

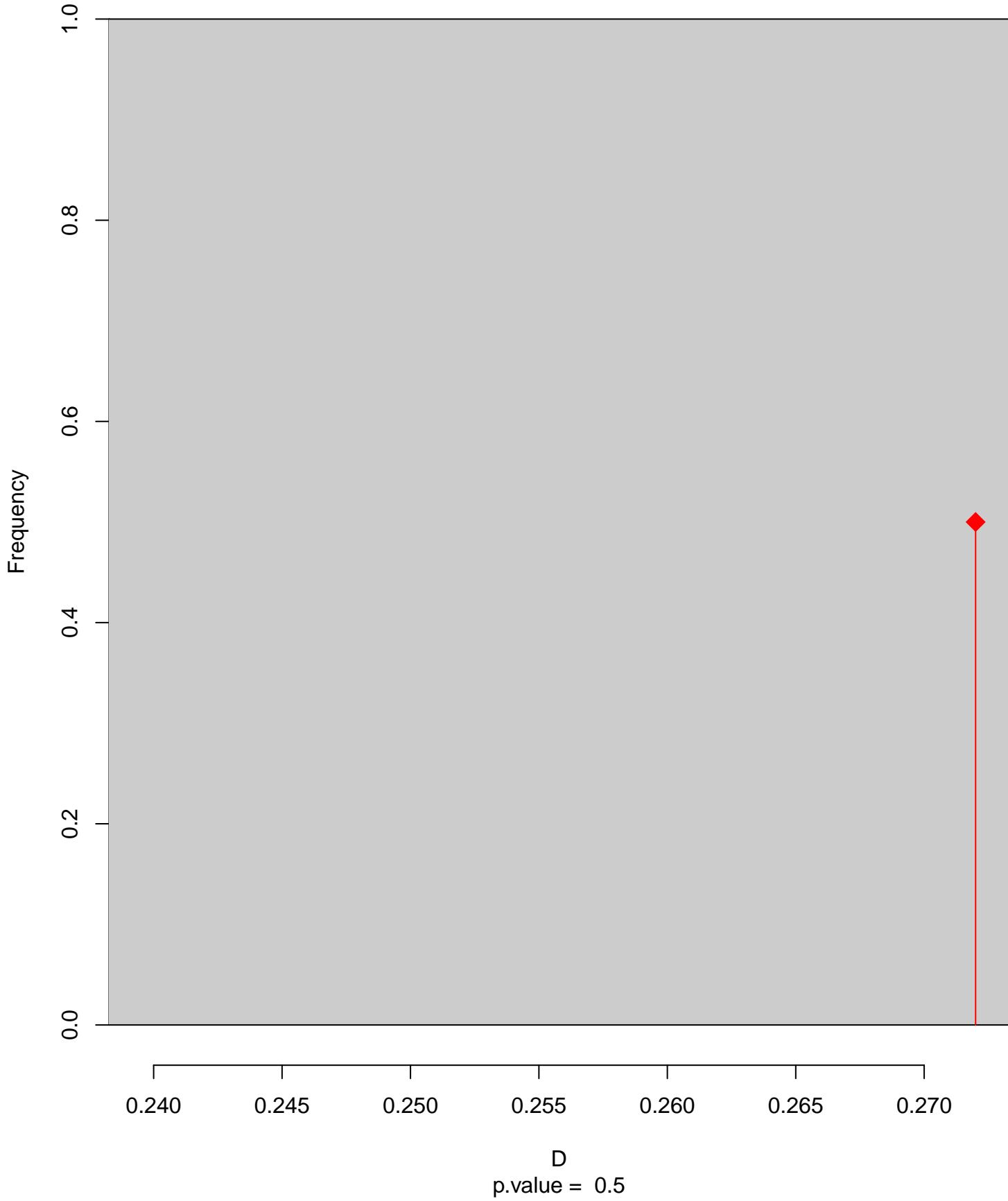
Equivalency



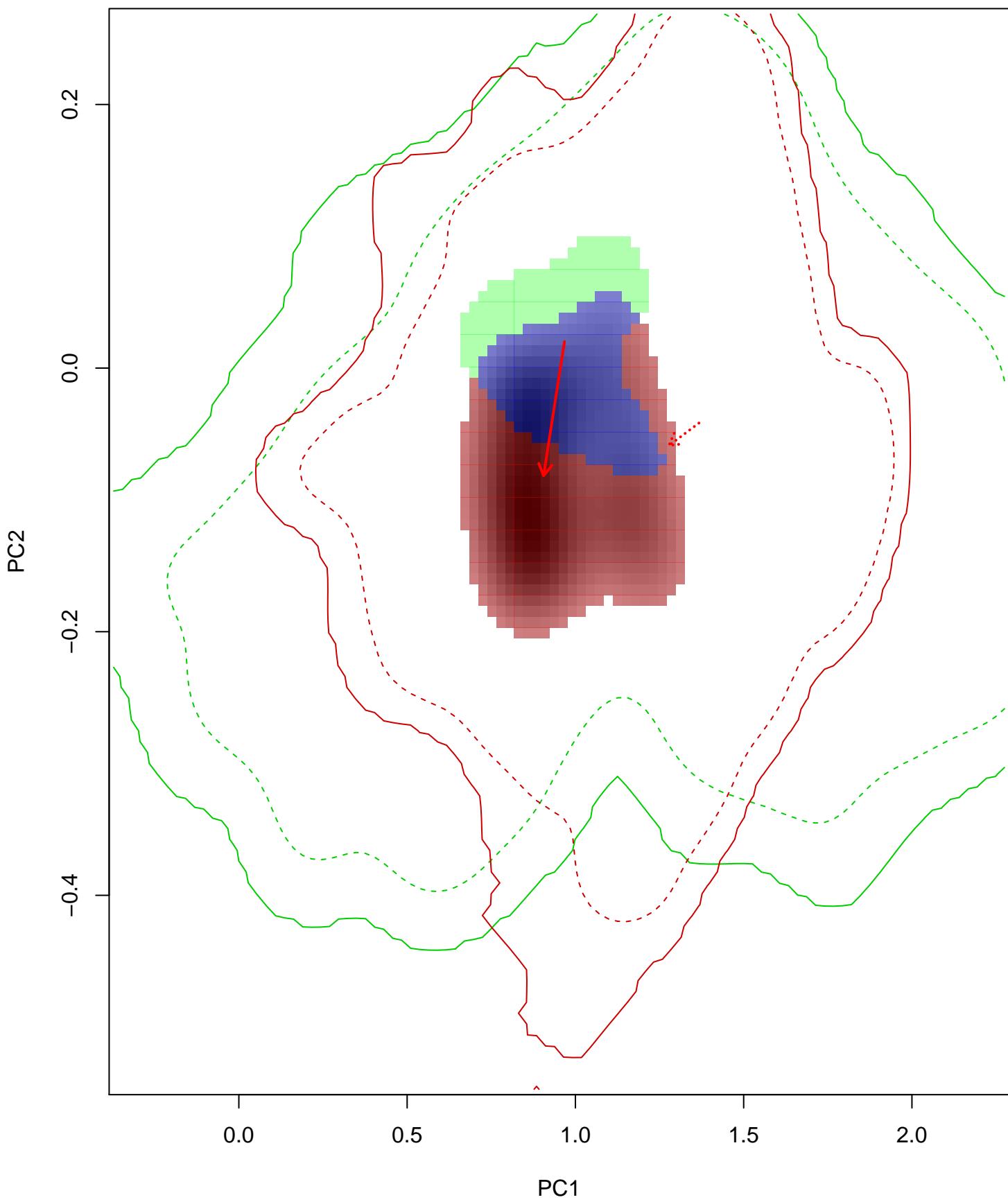
Similarity 2->1



Similarity 1→2

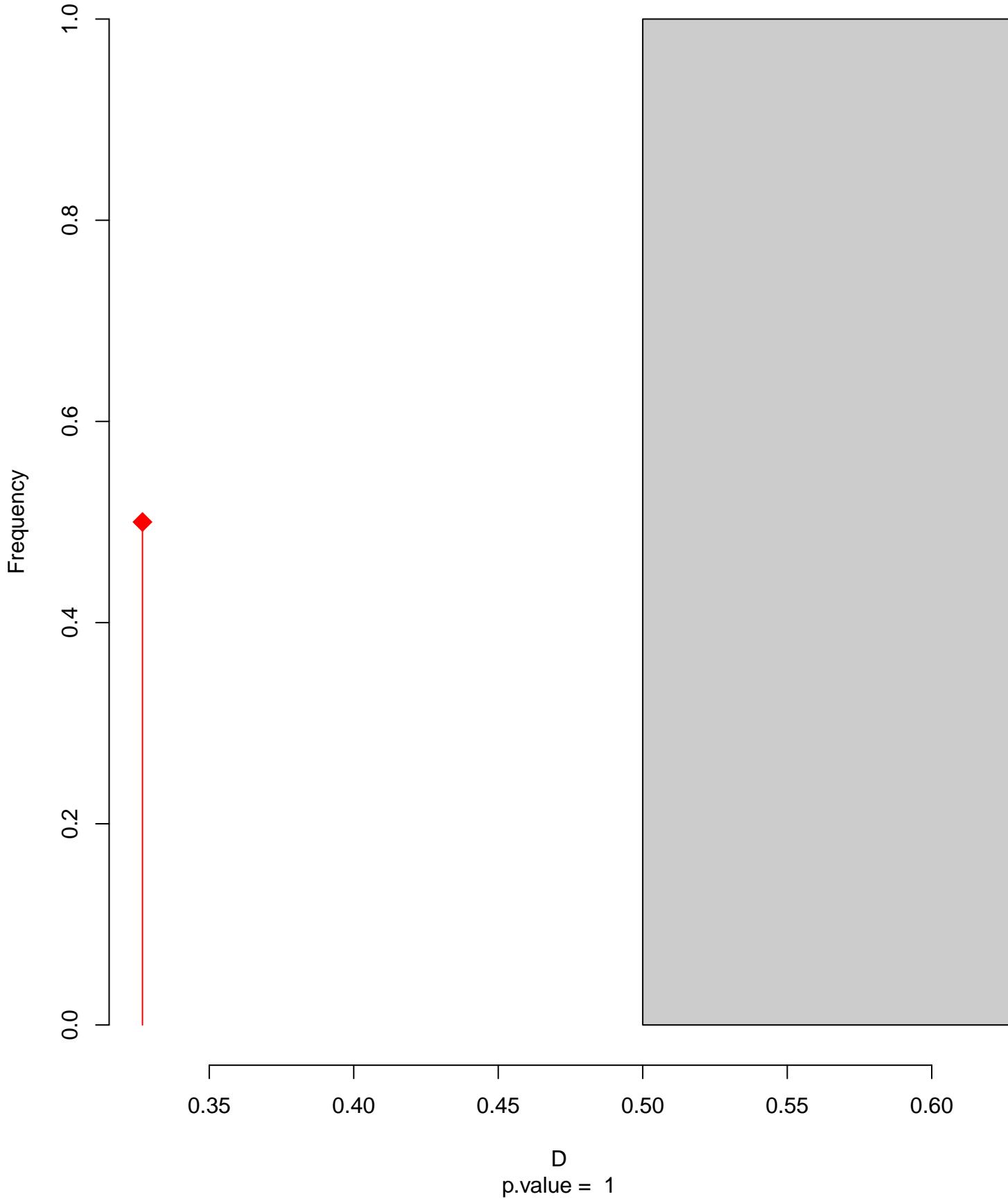


Hirundo_megaensis seasonal overlap

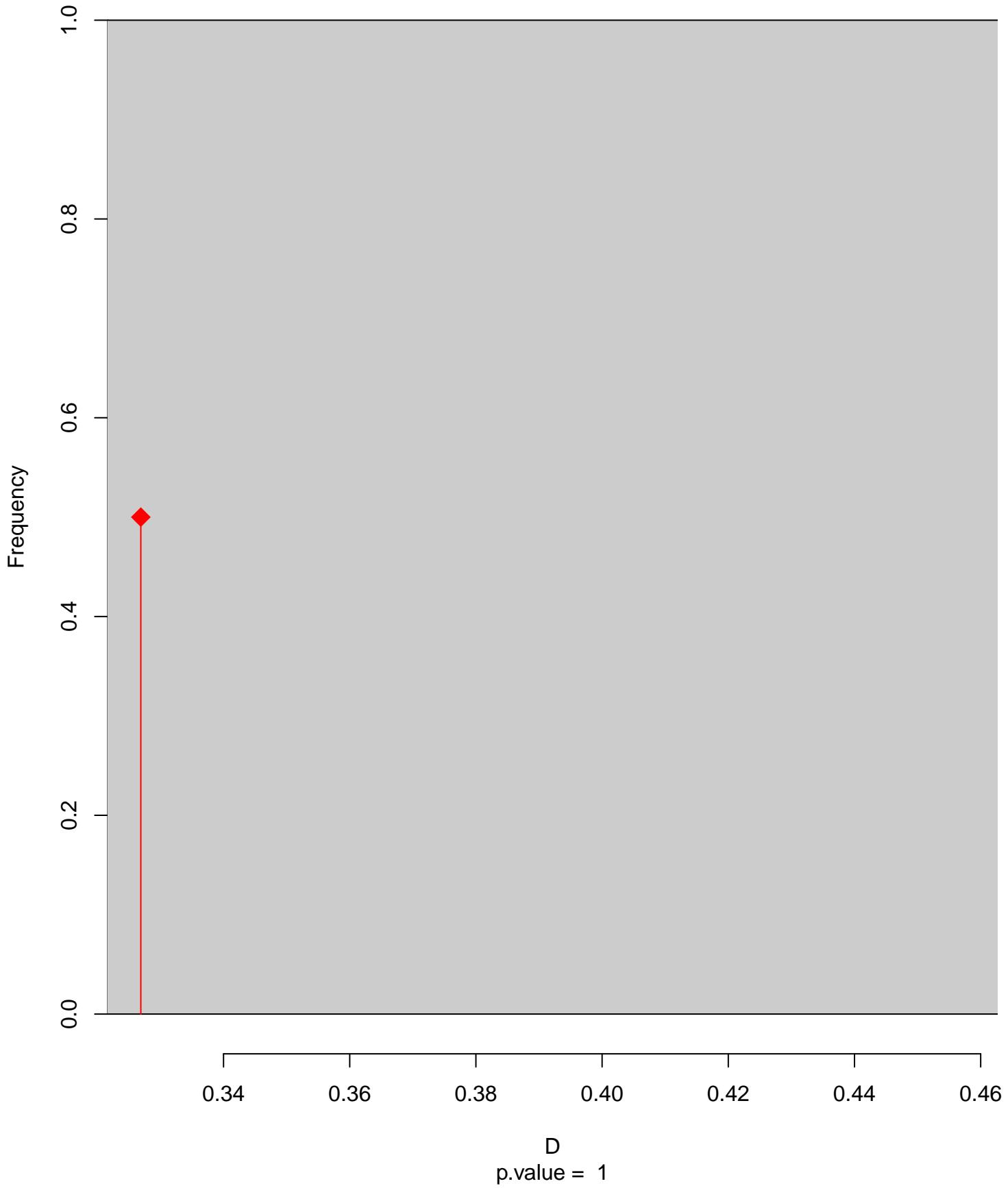


niche overlap:
 $D = 0.327$

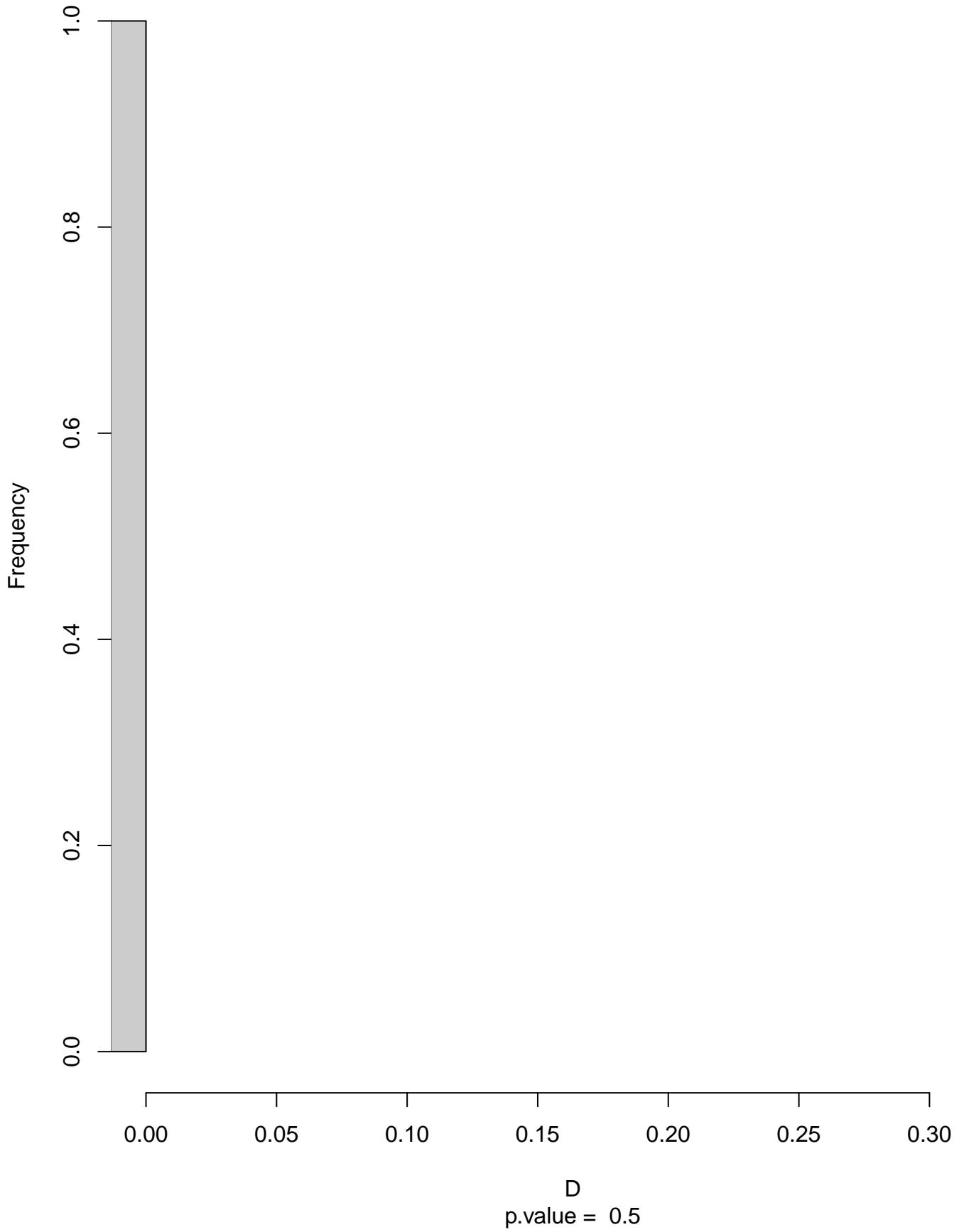
Equivalency



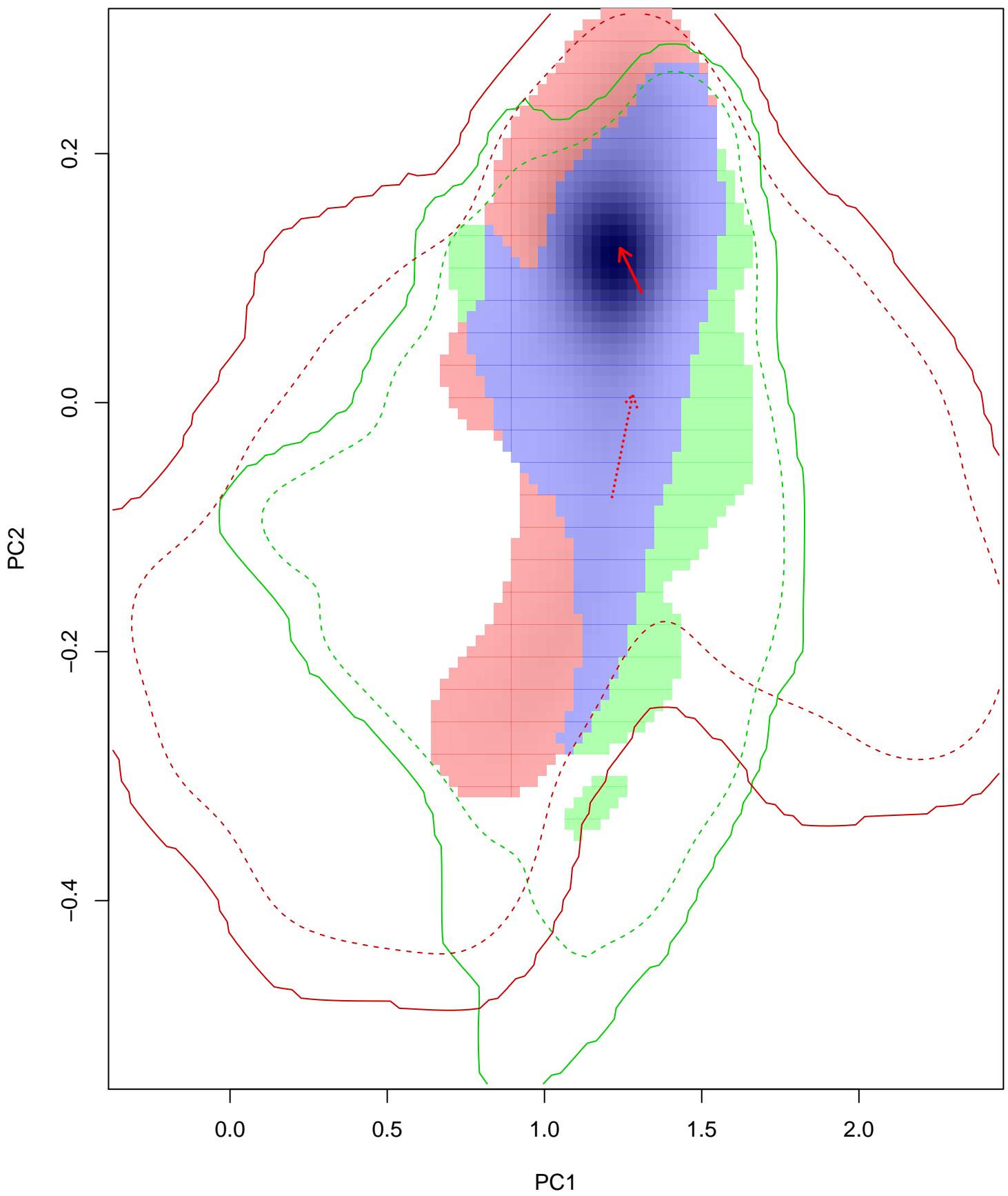
Similarity 2->1



Similarity 1→2

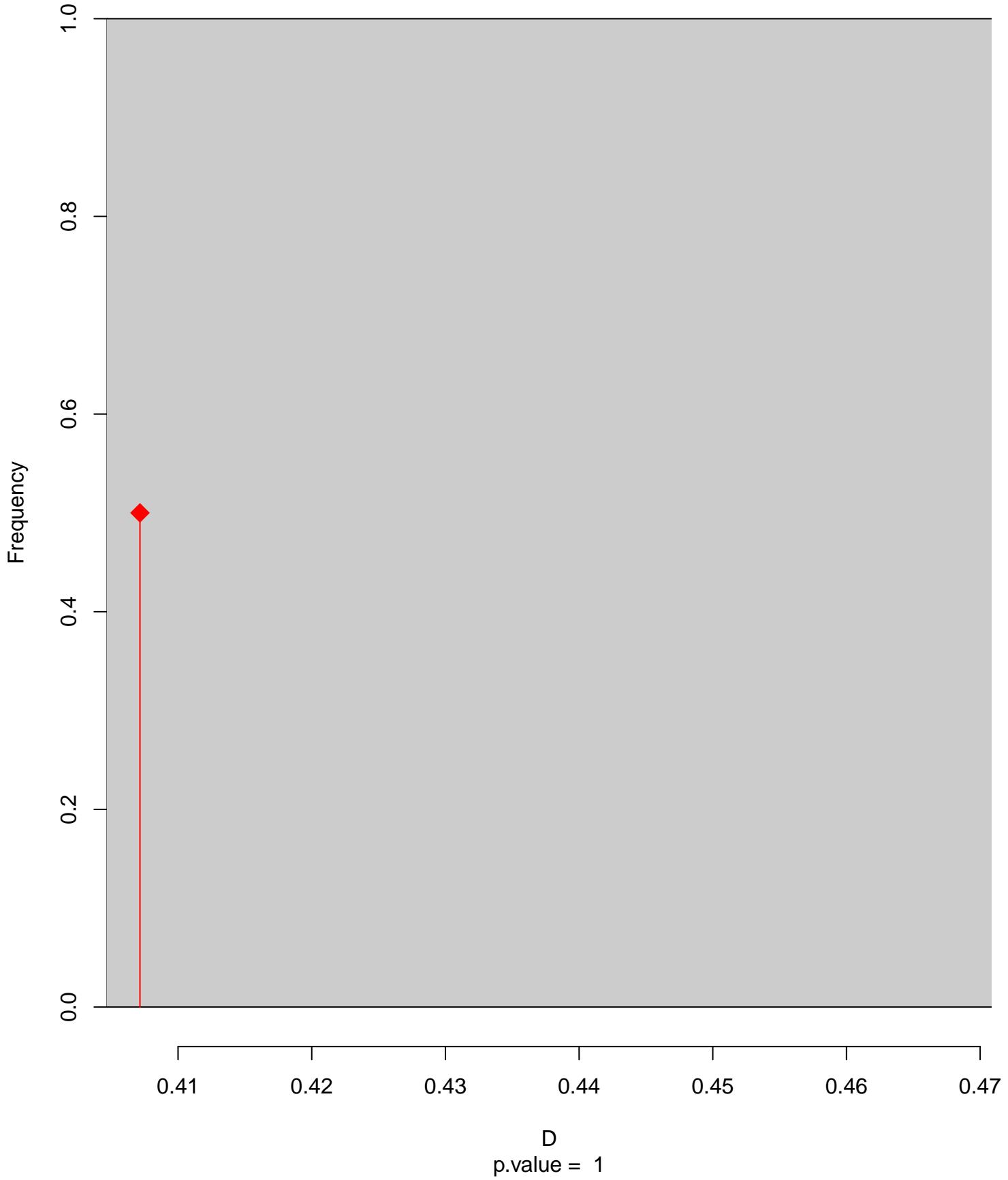


Hirundo_nigrita seasonal overlap

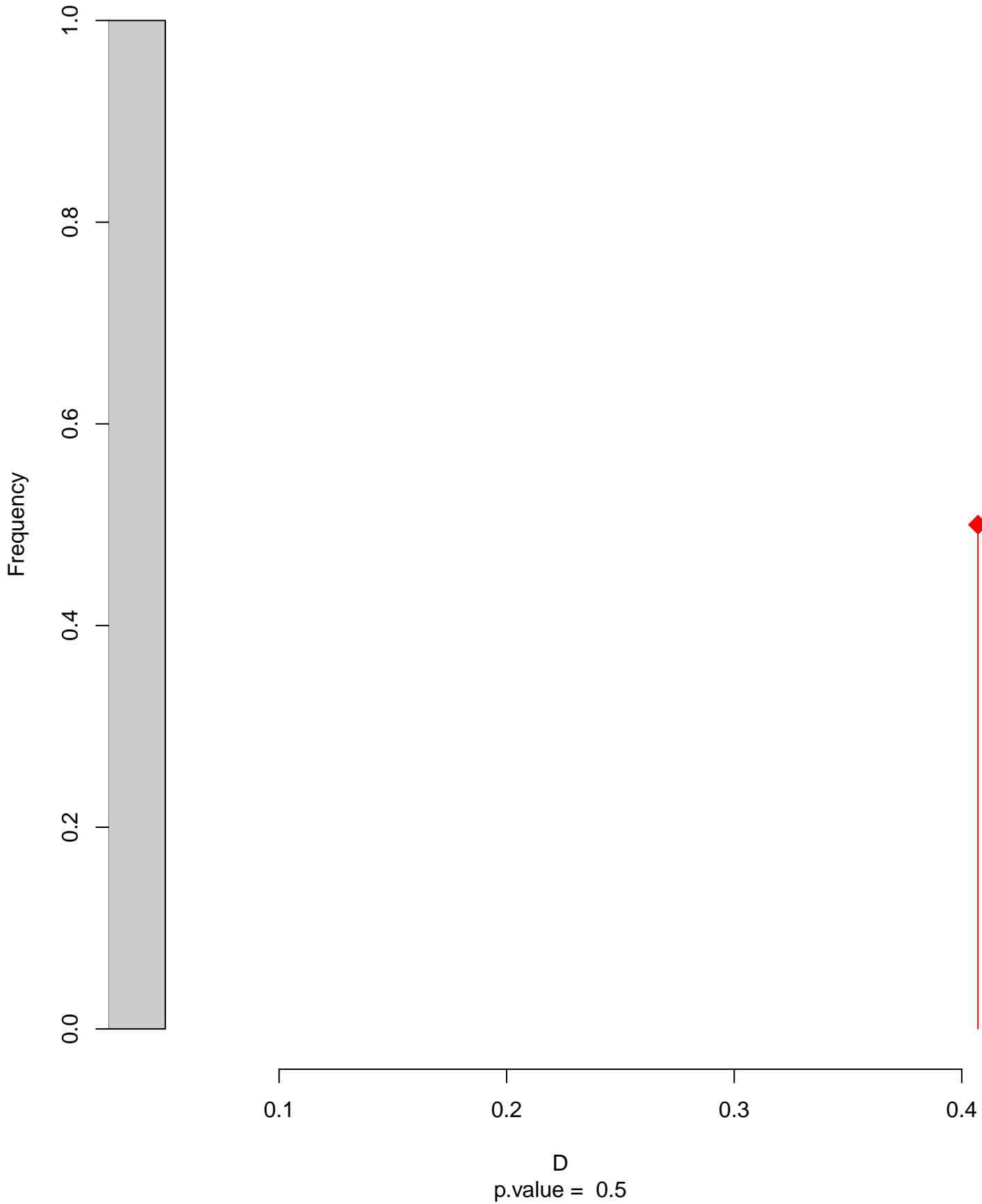


niche overlap:
 $D = 0.407$

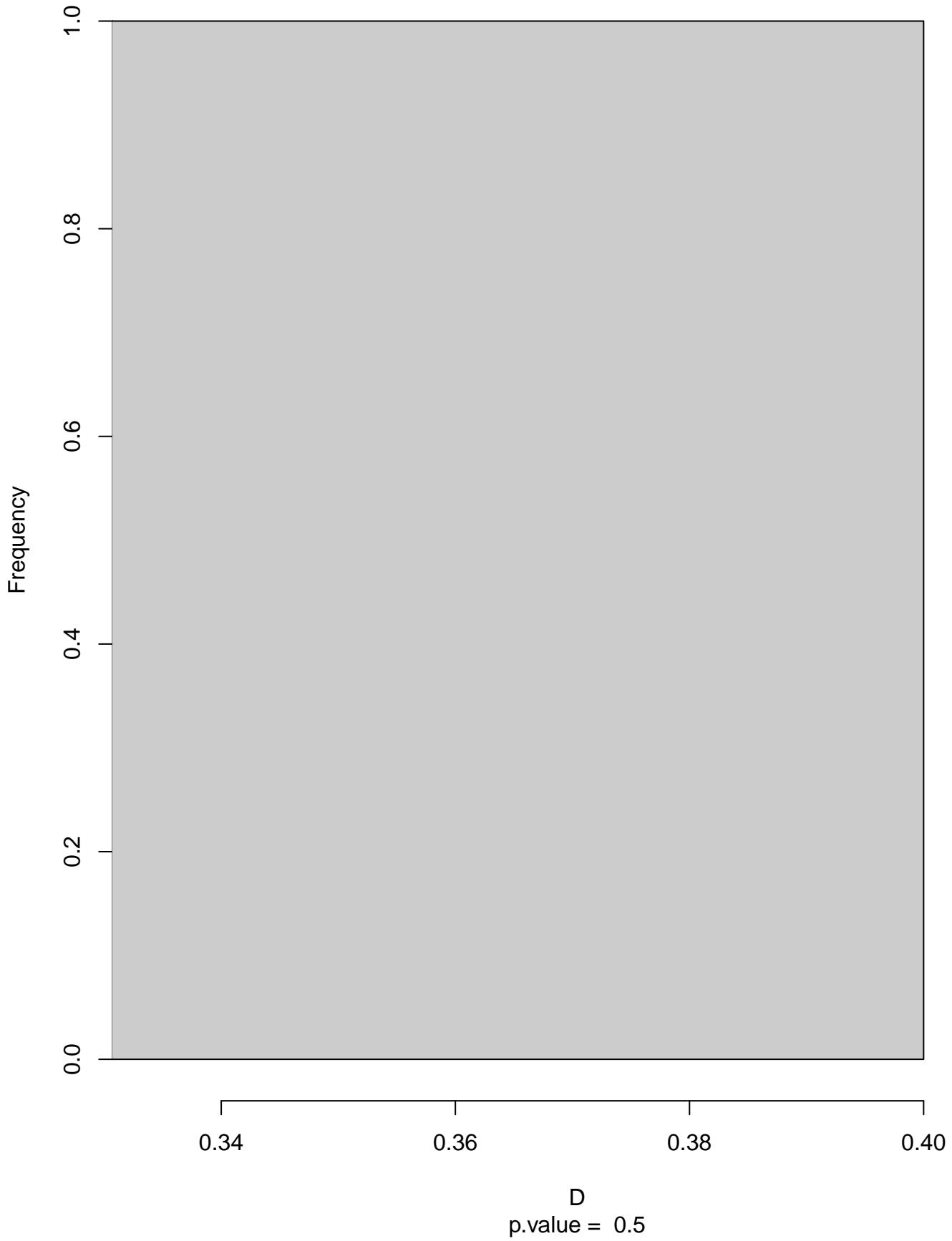
Equivalency



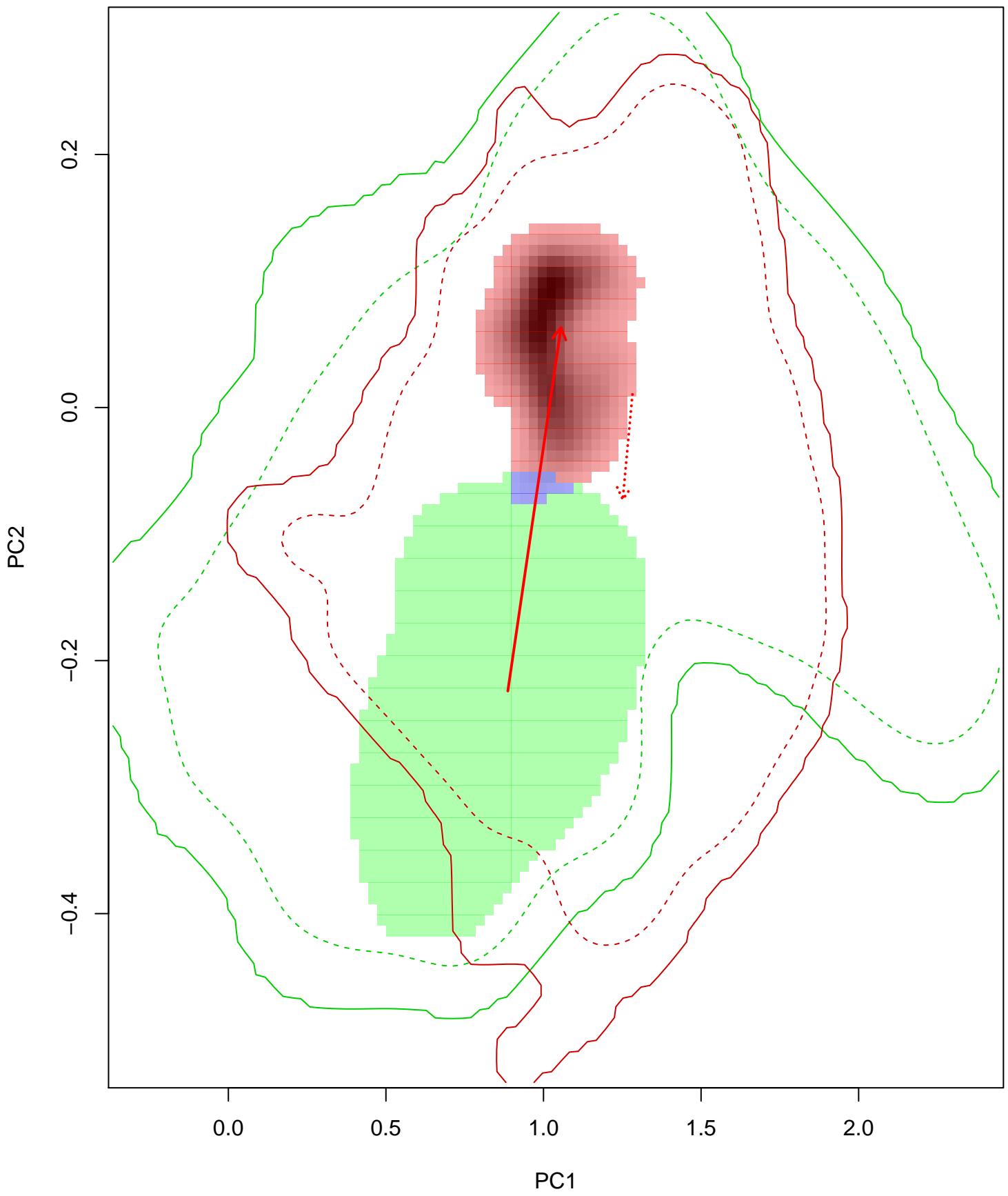
Similarity 2->1



Similarity 1→2

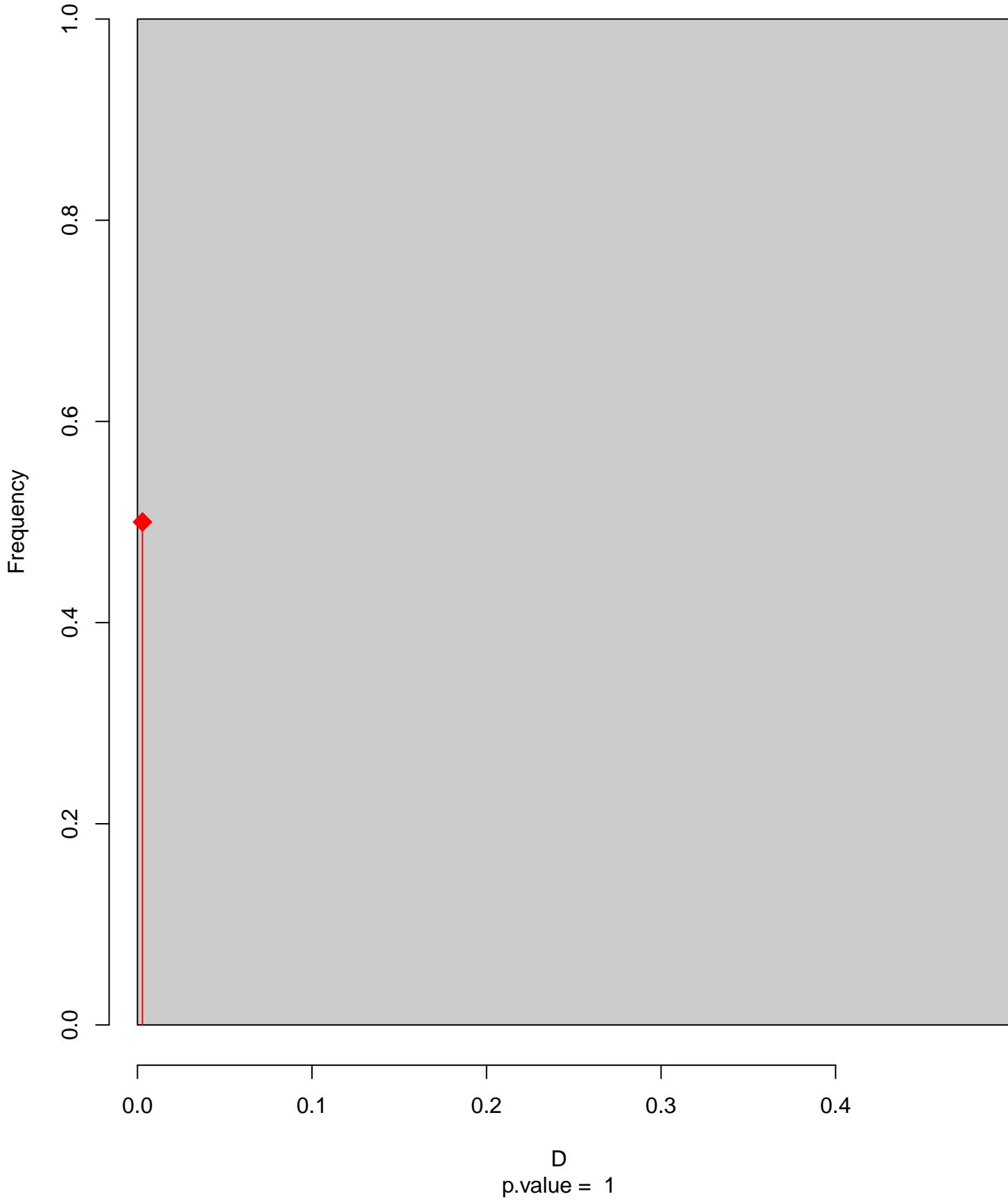


Hirundo_nigrorufa seasonal overlap

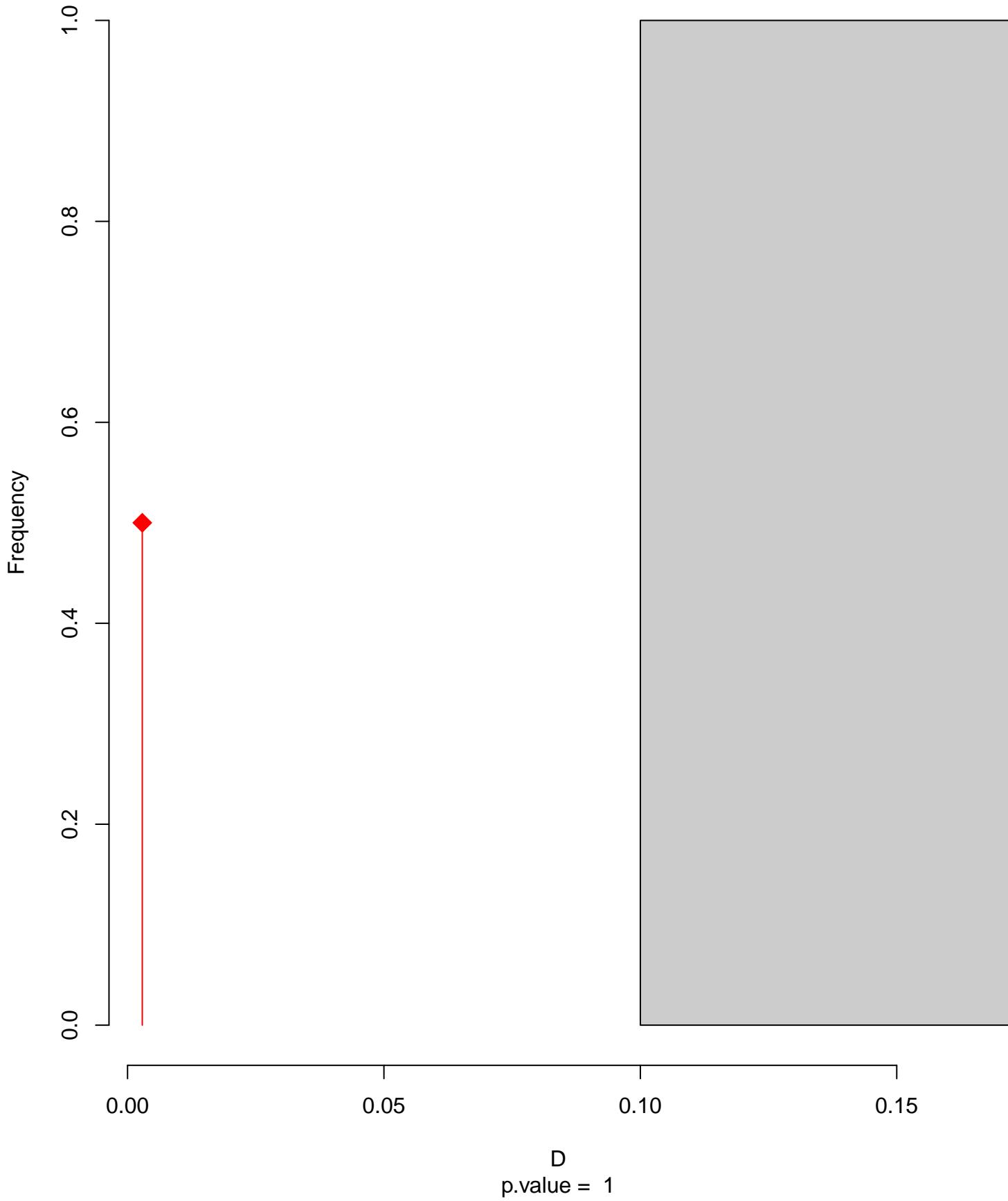


niche overlap:
 $D = 0.003$

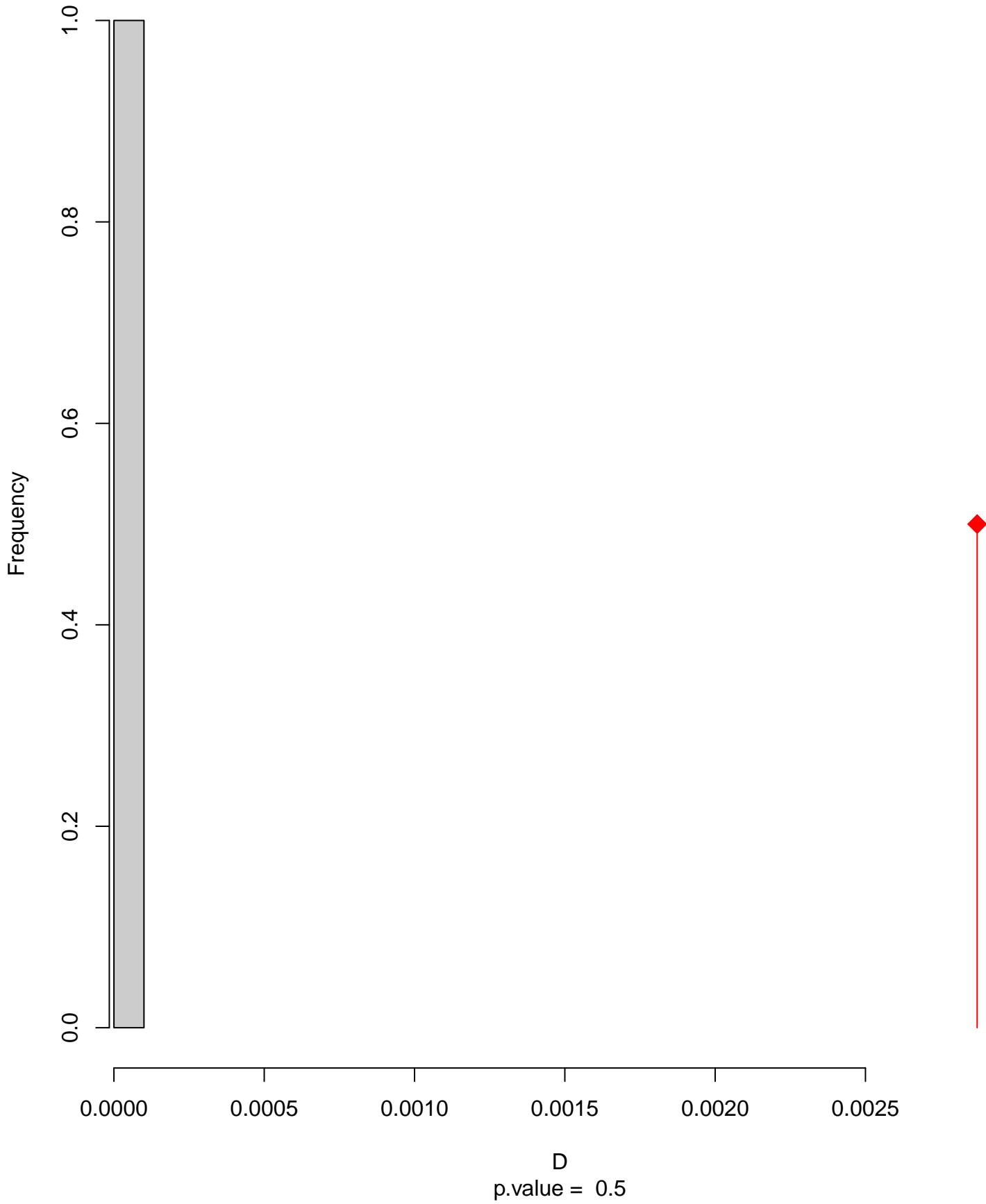
Equivalency



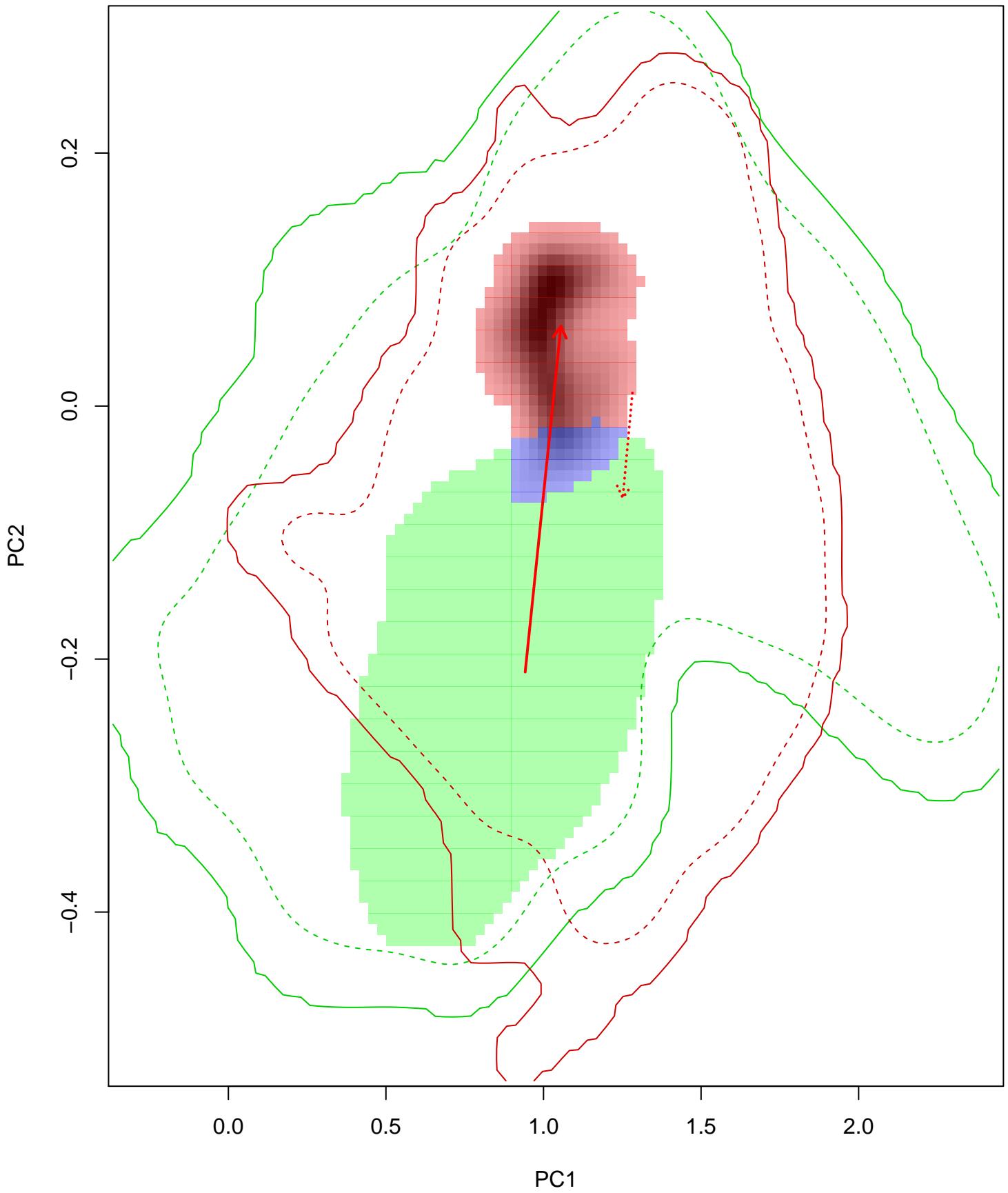
Similarity 2->1



Similarity 1→2

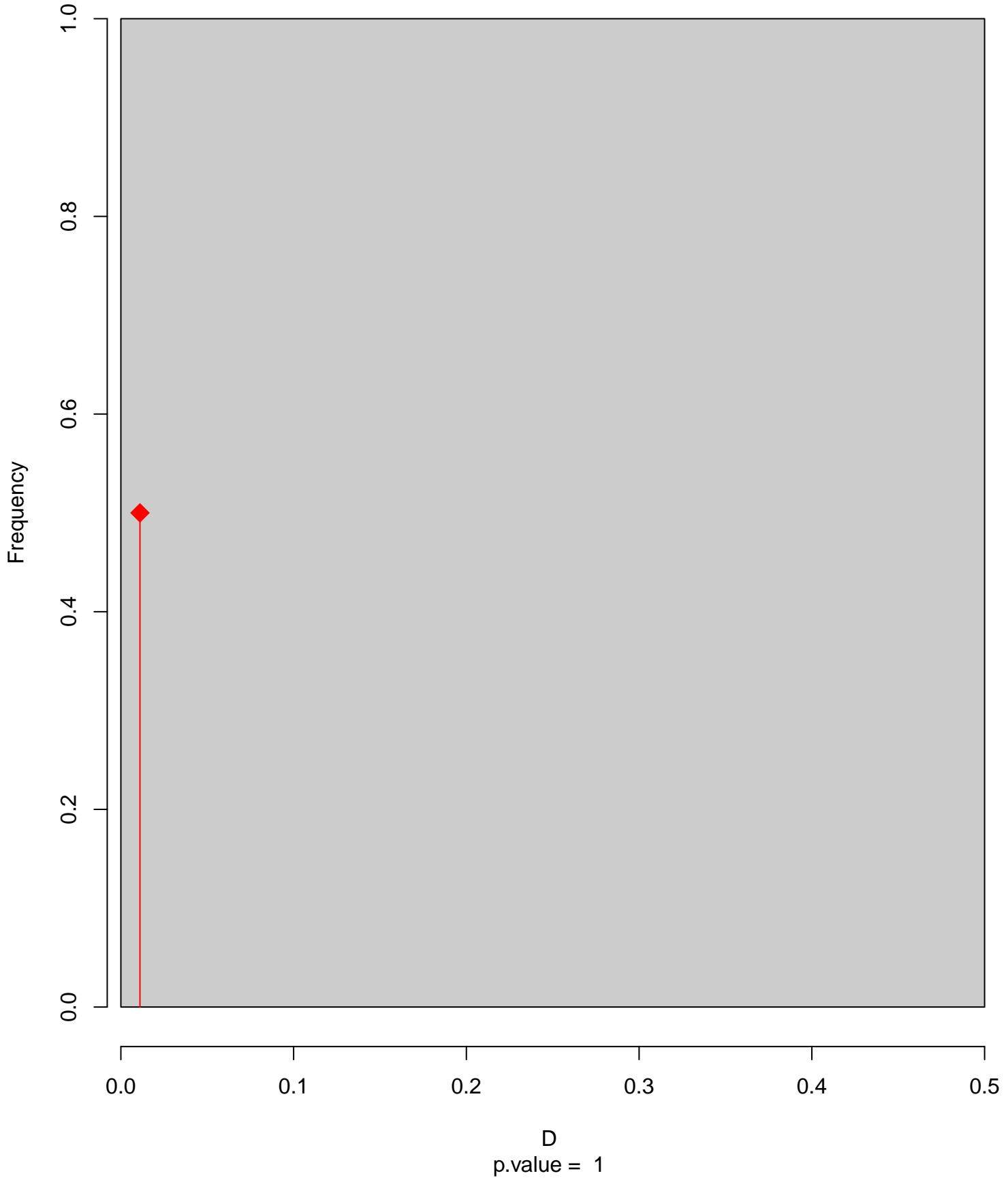


Hirundo_nigrorufa seasonal overlap-hypo.br

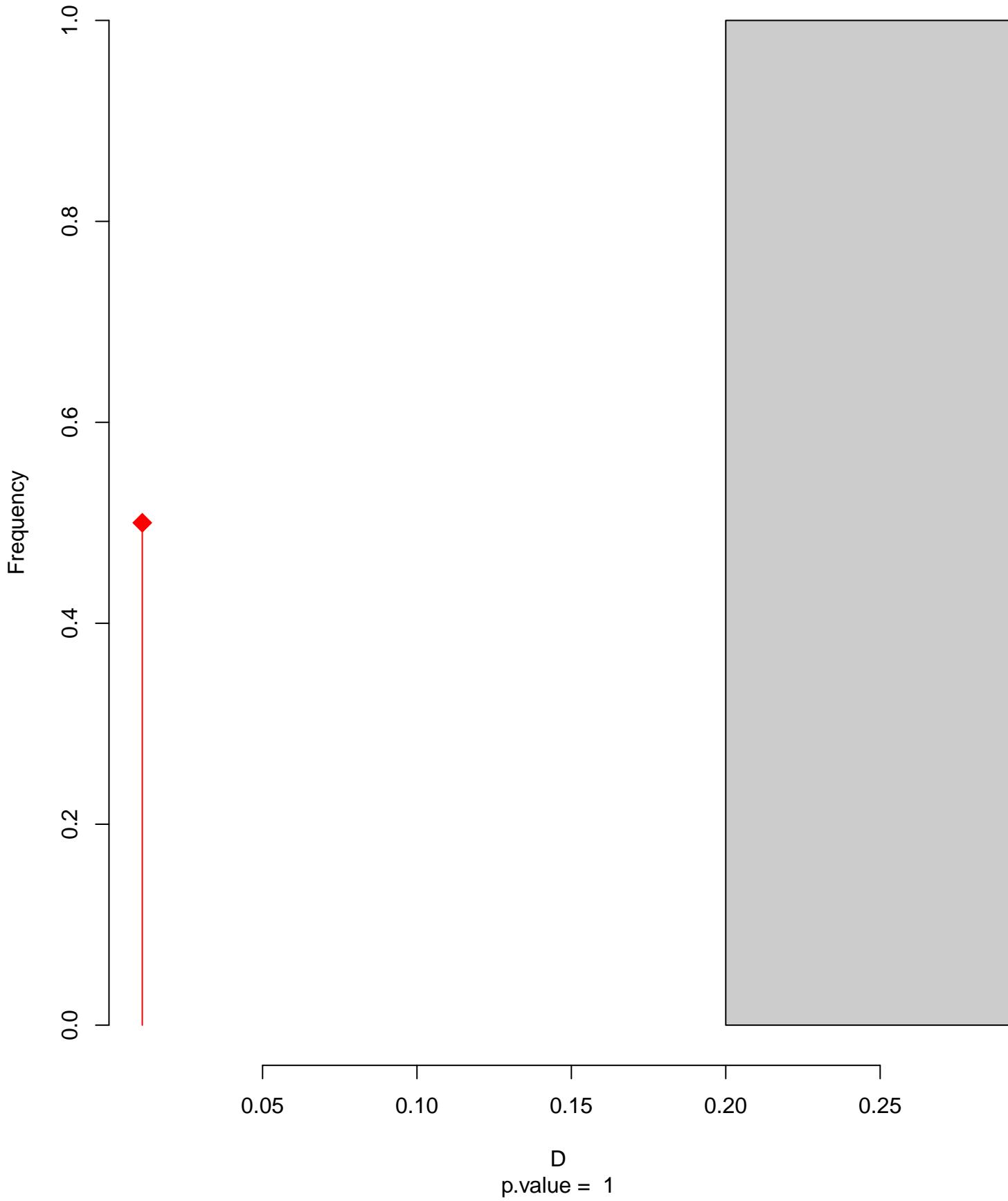


niche overlap:
 $D = 0.011$

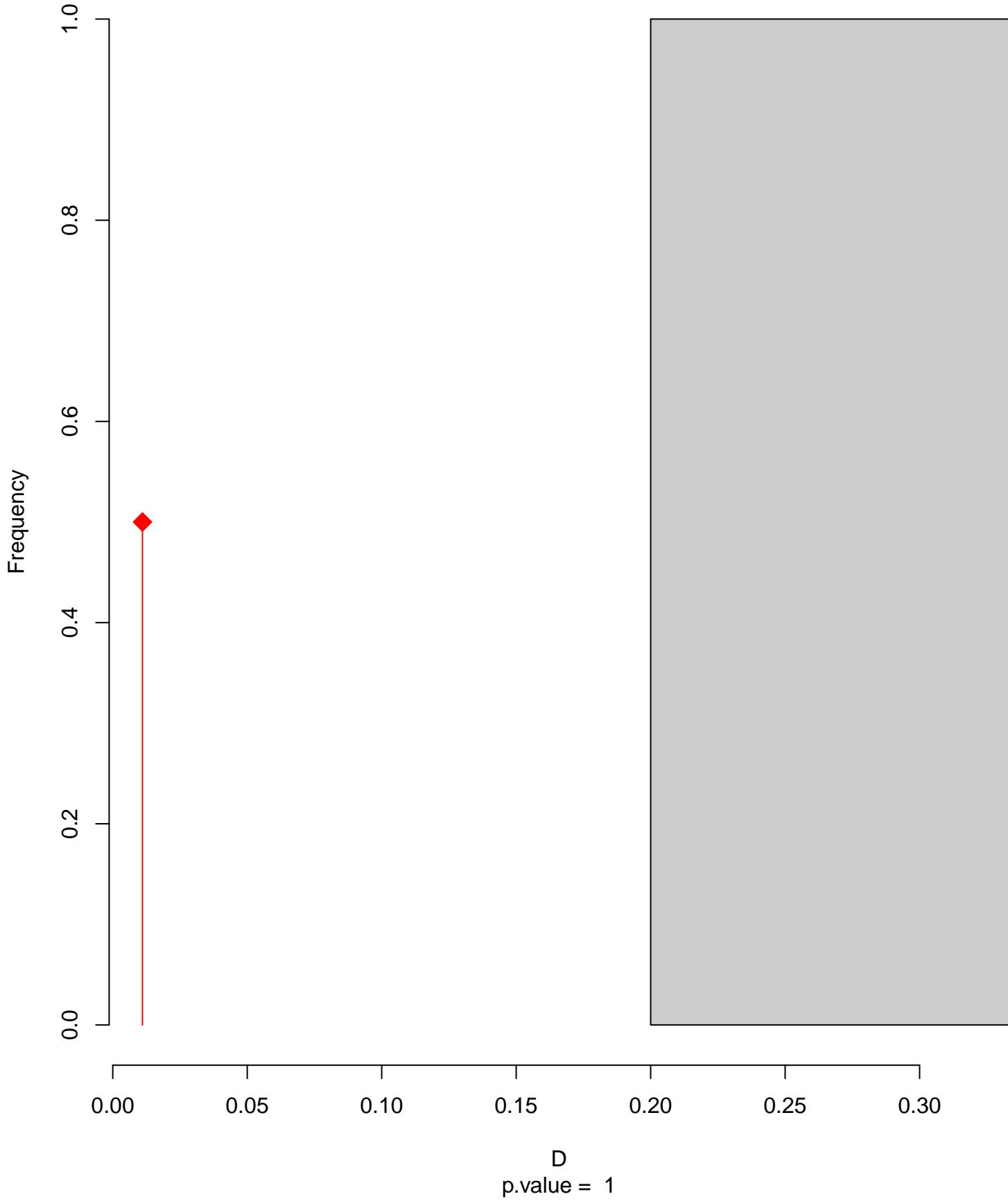
Equivalency



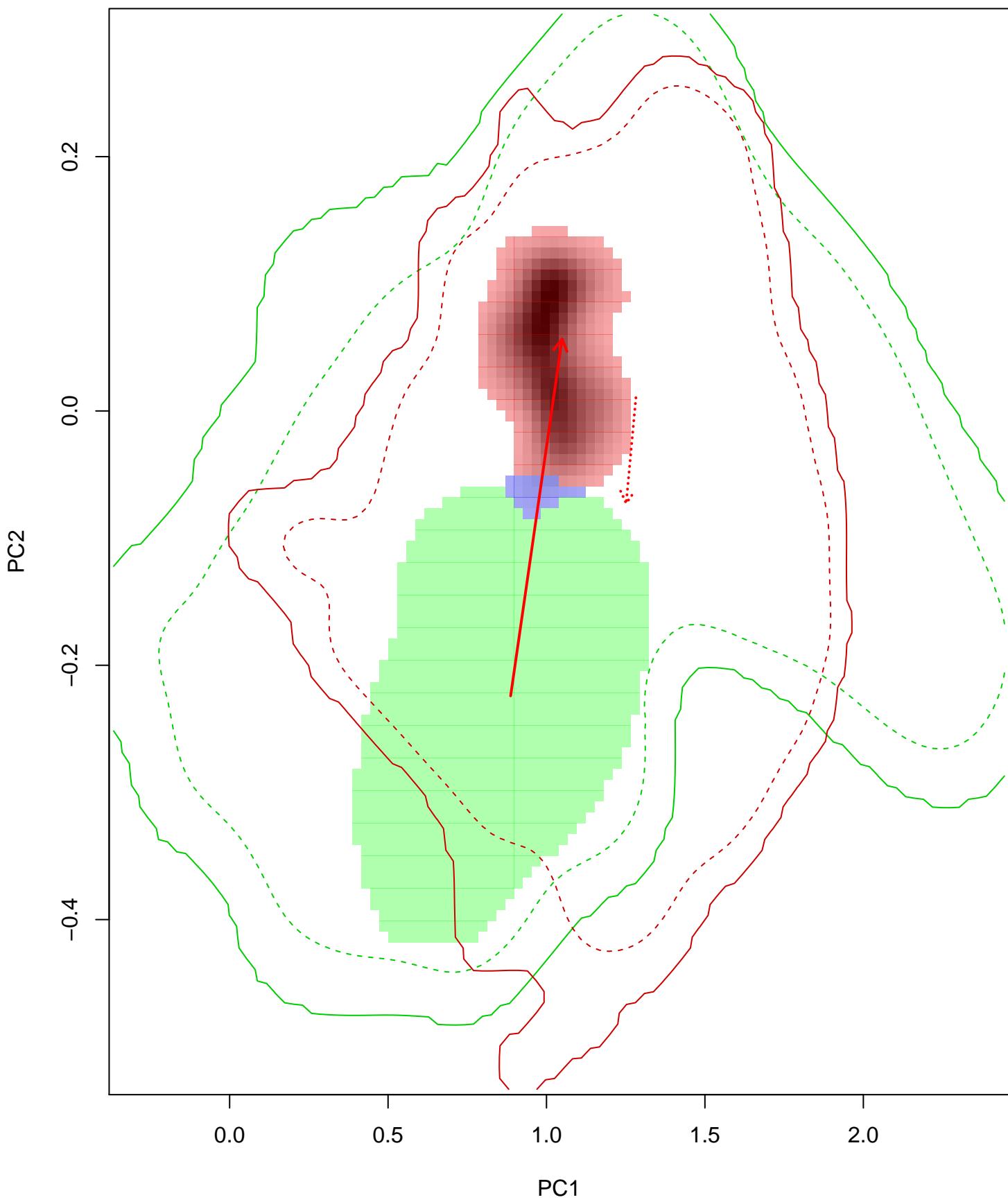
Similarity 2->1



Similarity 1→2

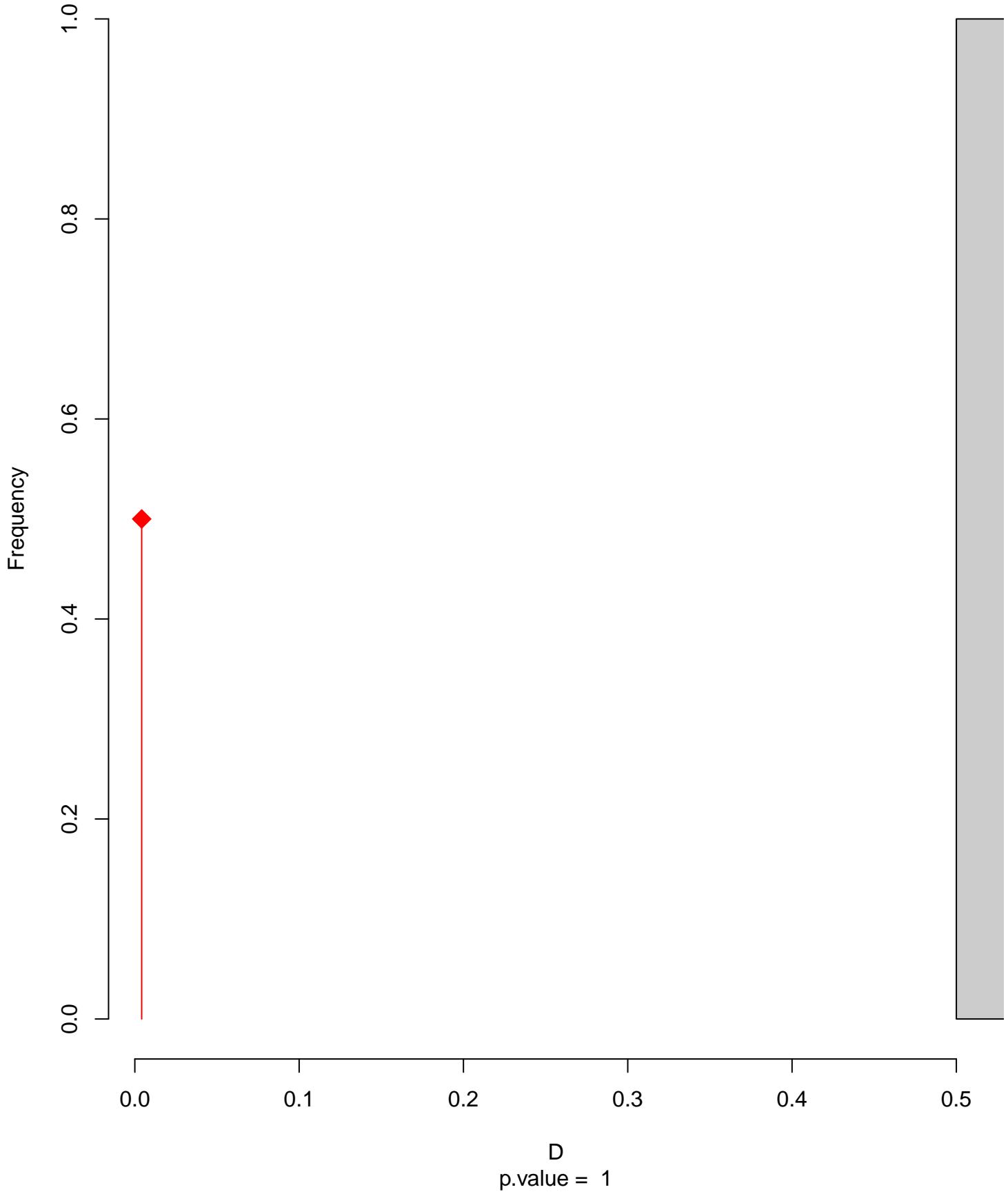


Hirundo_nigrorufa seasonal overlap–hypo wi



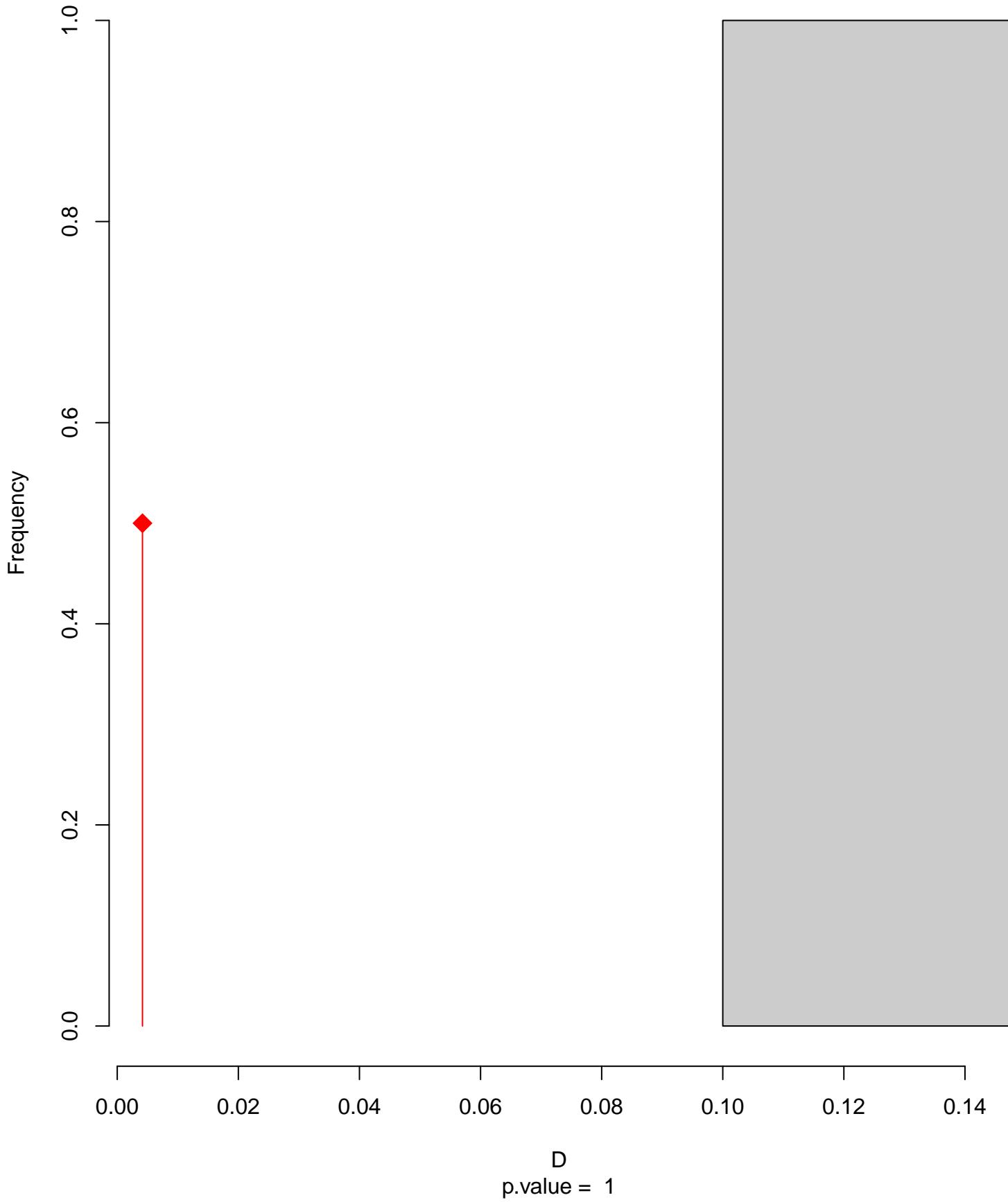
niche overlap:
 $D = 0.004$

Equivalency

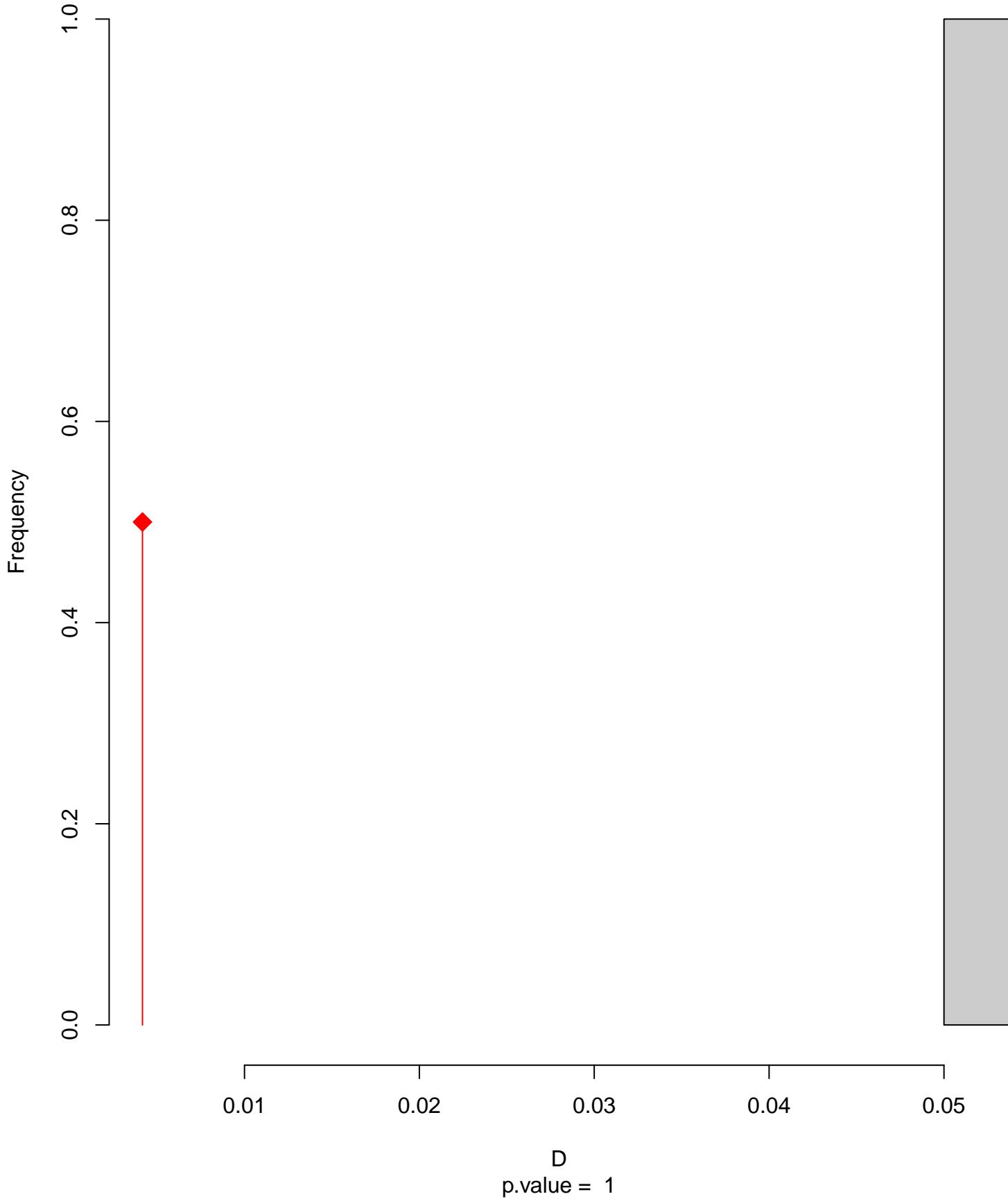


D
p.value = 1

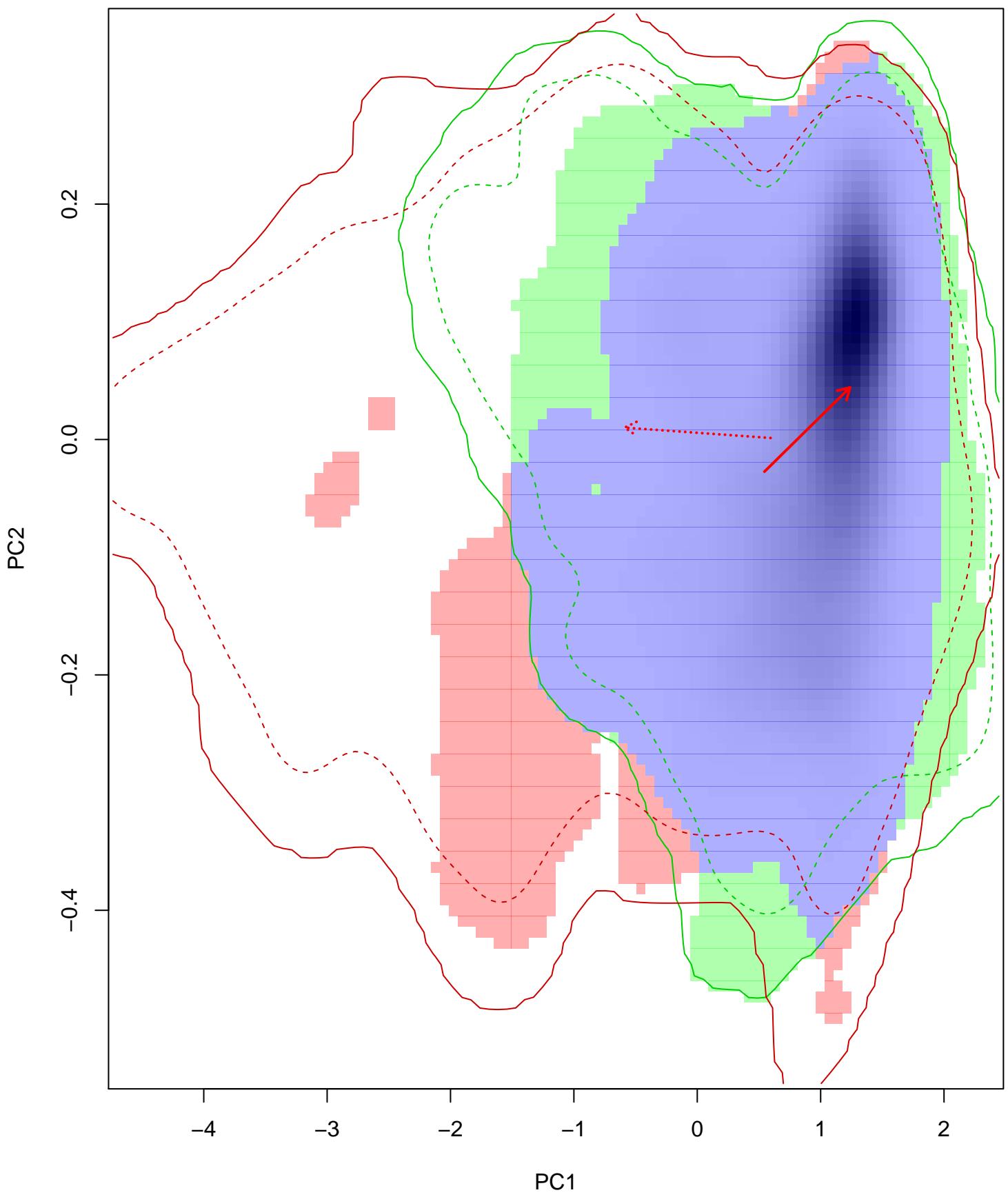
Similarity 2->1



Similarity 1→2

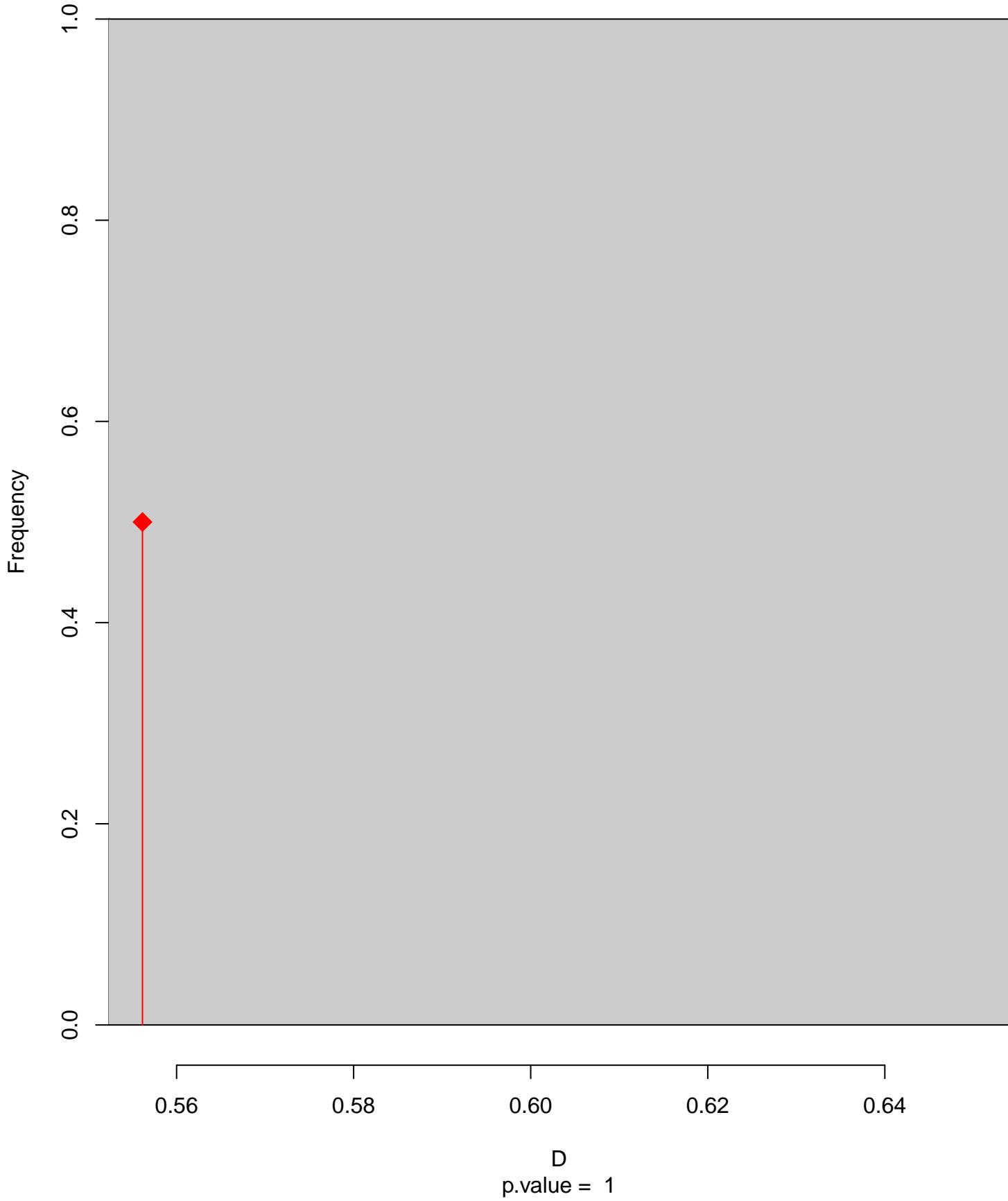


Hirundo_rustica seasonal overlap

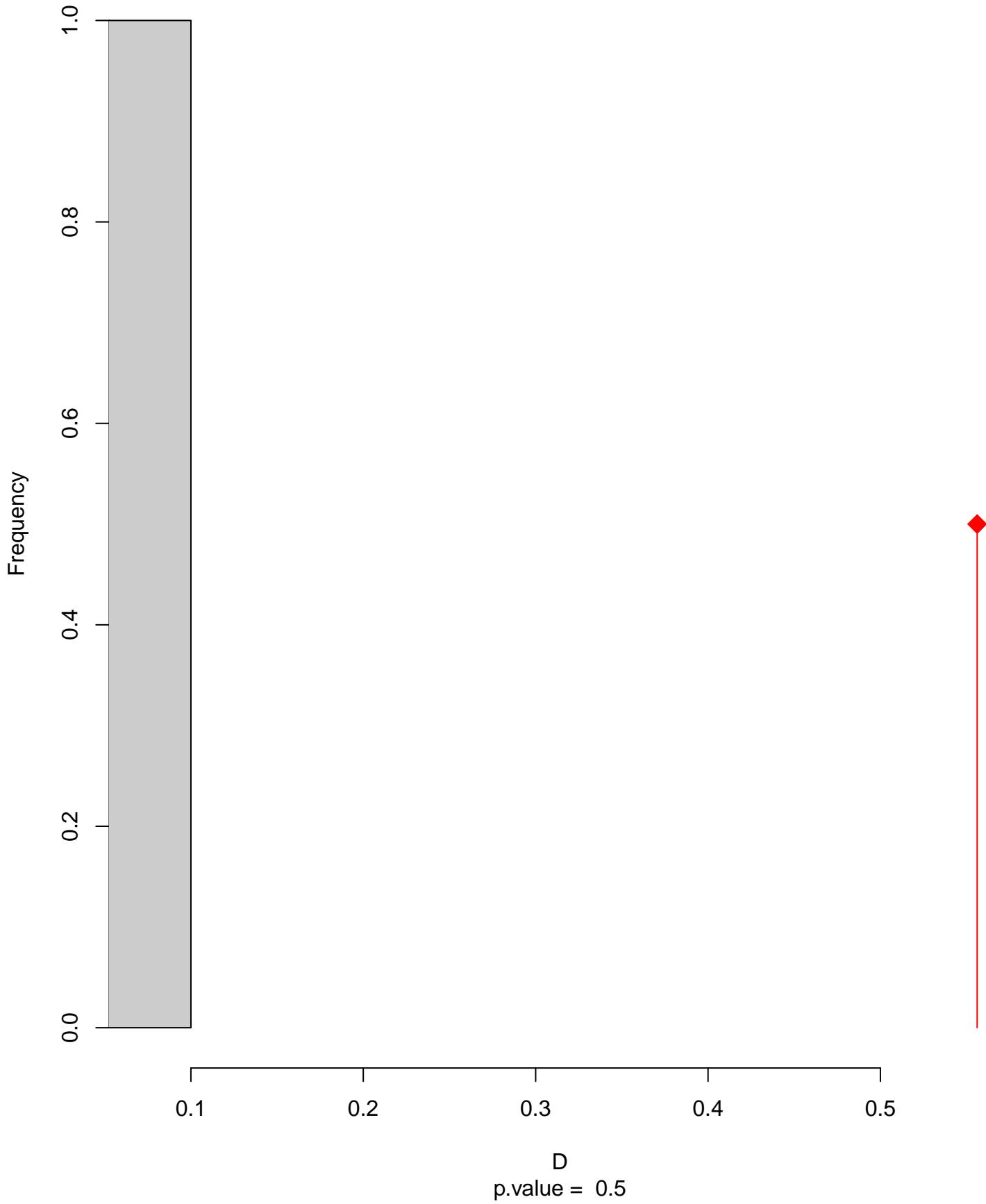


niche overlap:
 $D = 0.556$

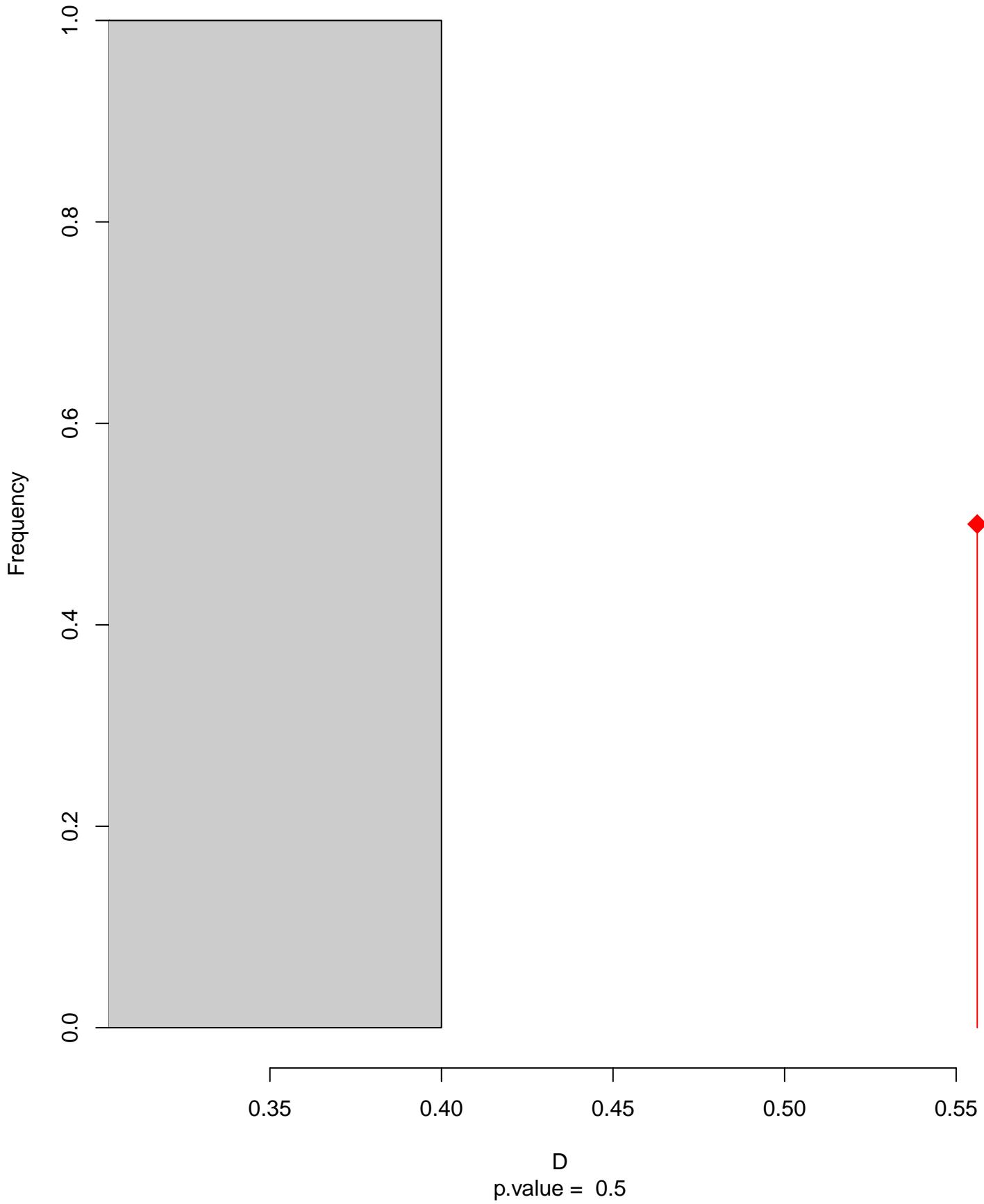
Equivalency



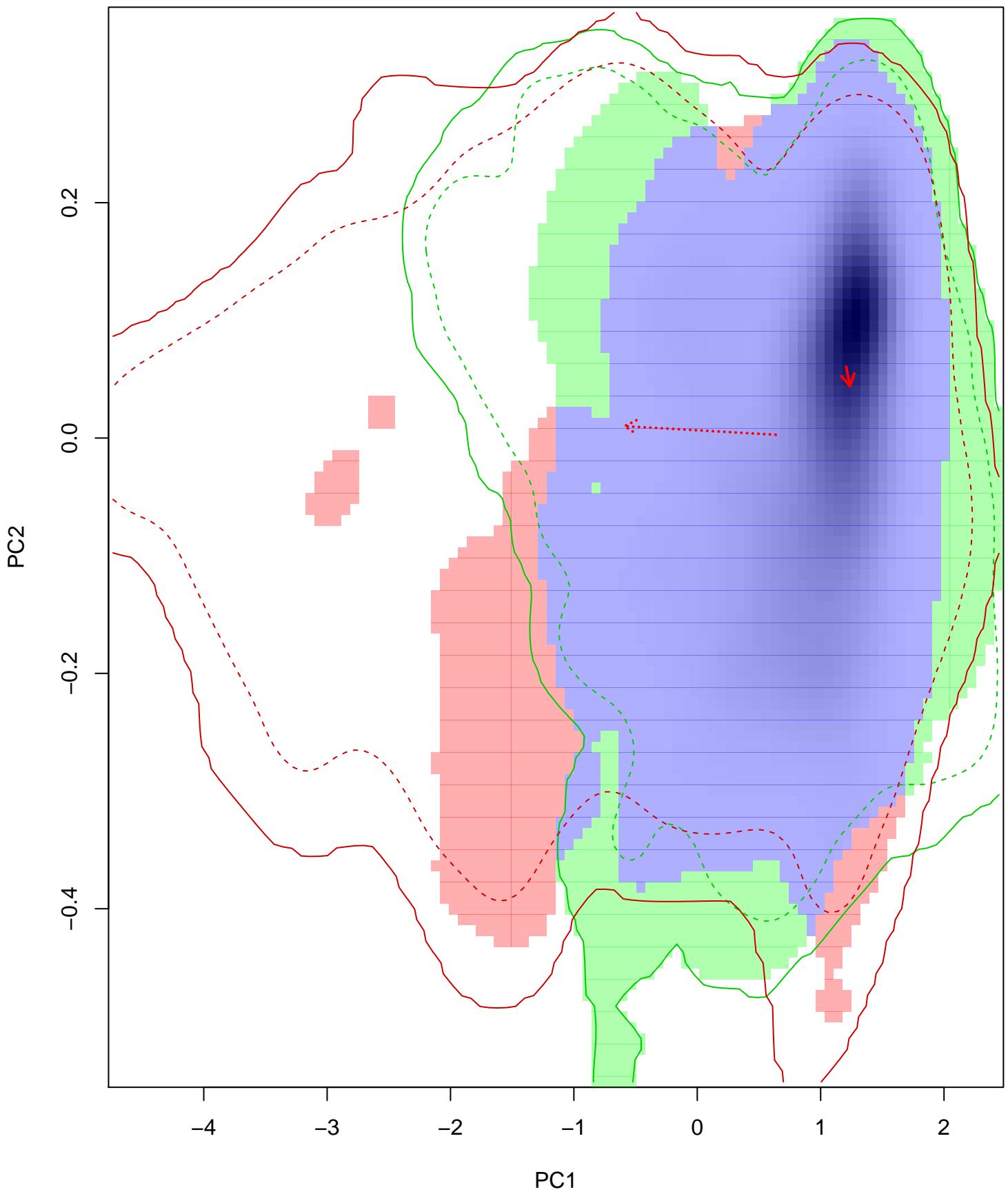
Similarity 2->1



Similarity 1→2

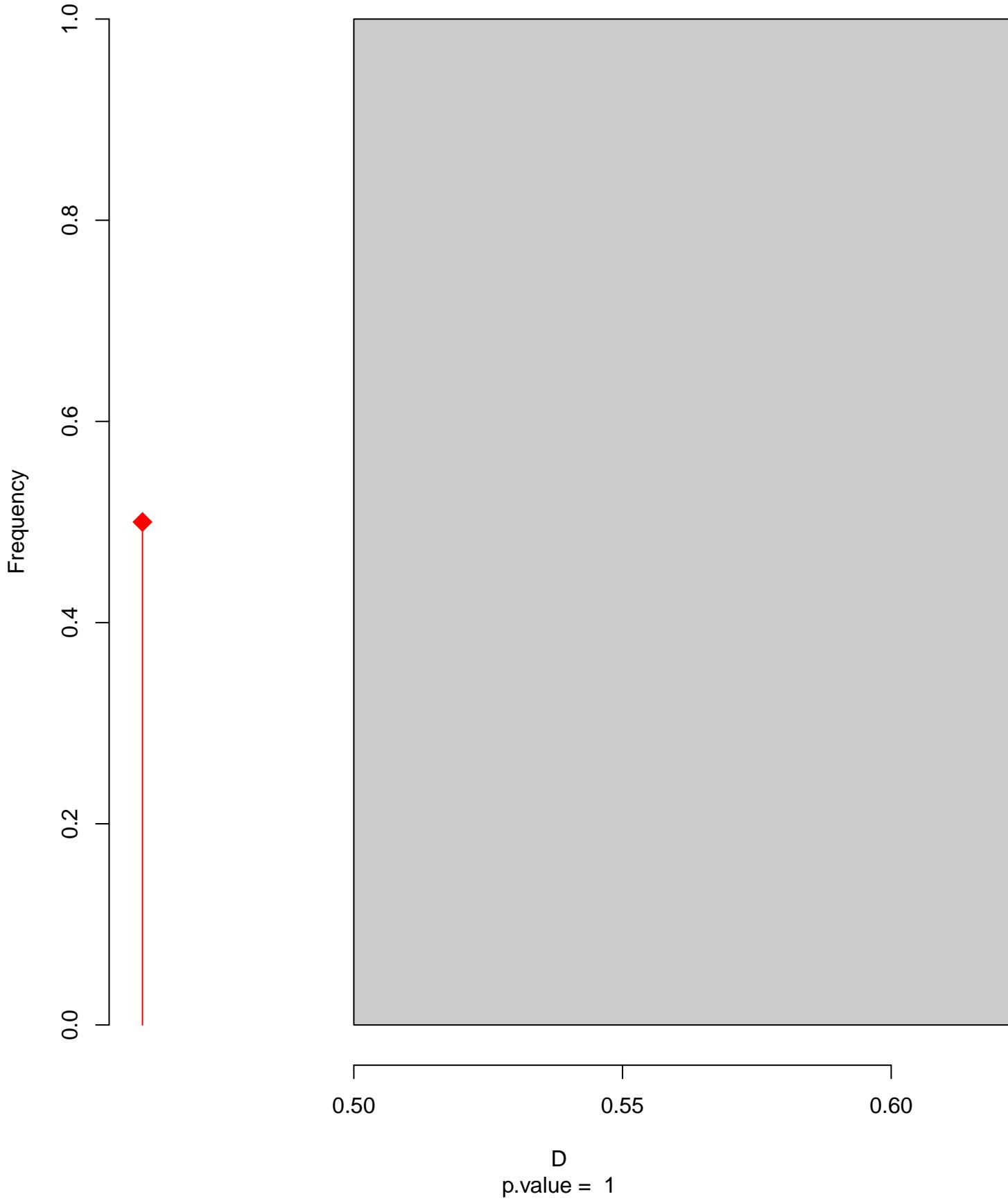


Hirundo_rustica seasonal overlap-hypo.br

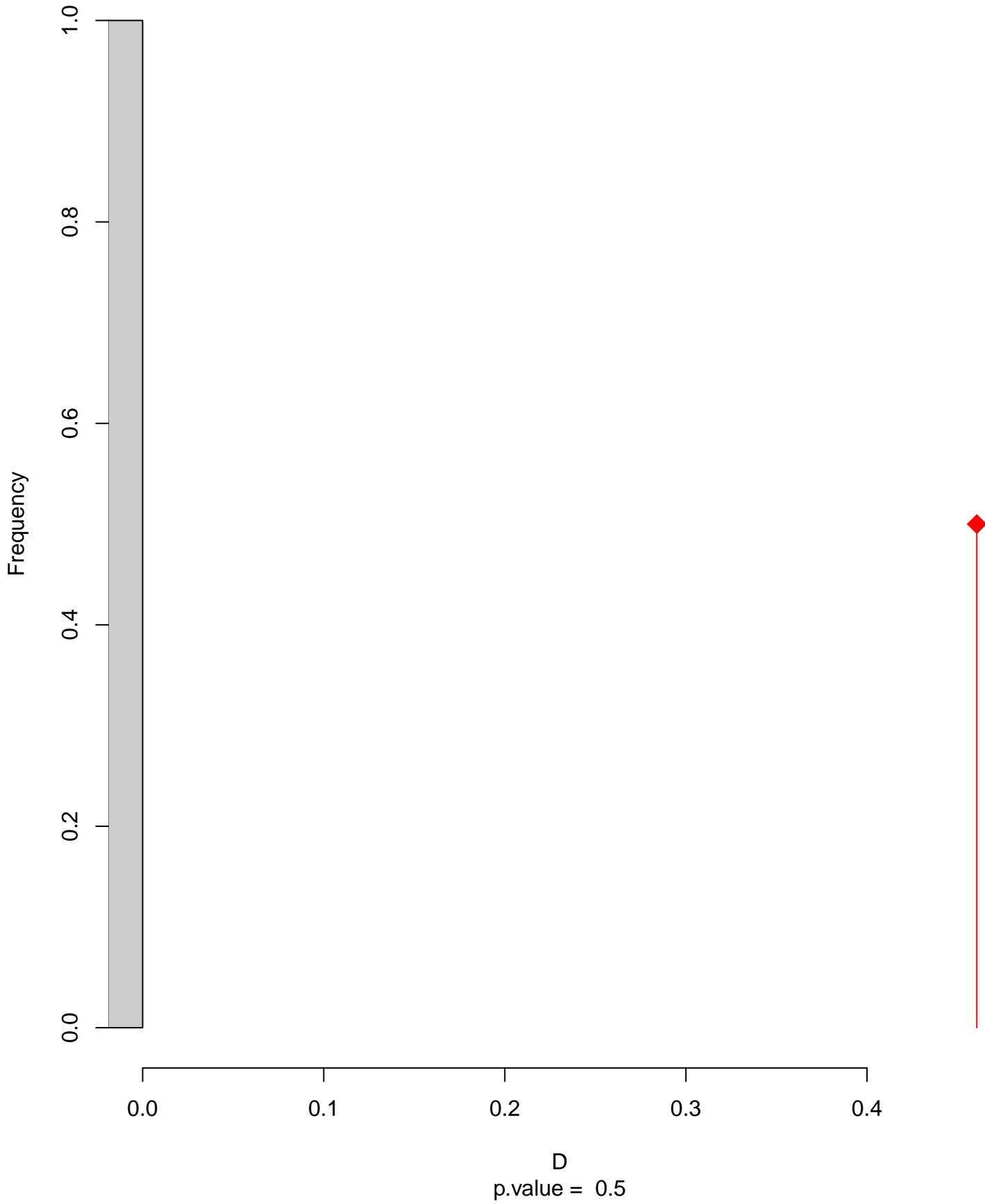


niche overlap:
 $D = 0.461$

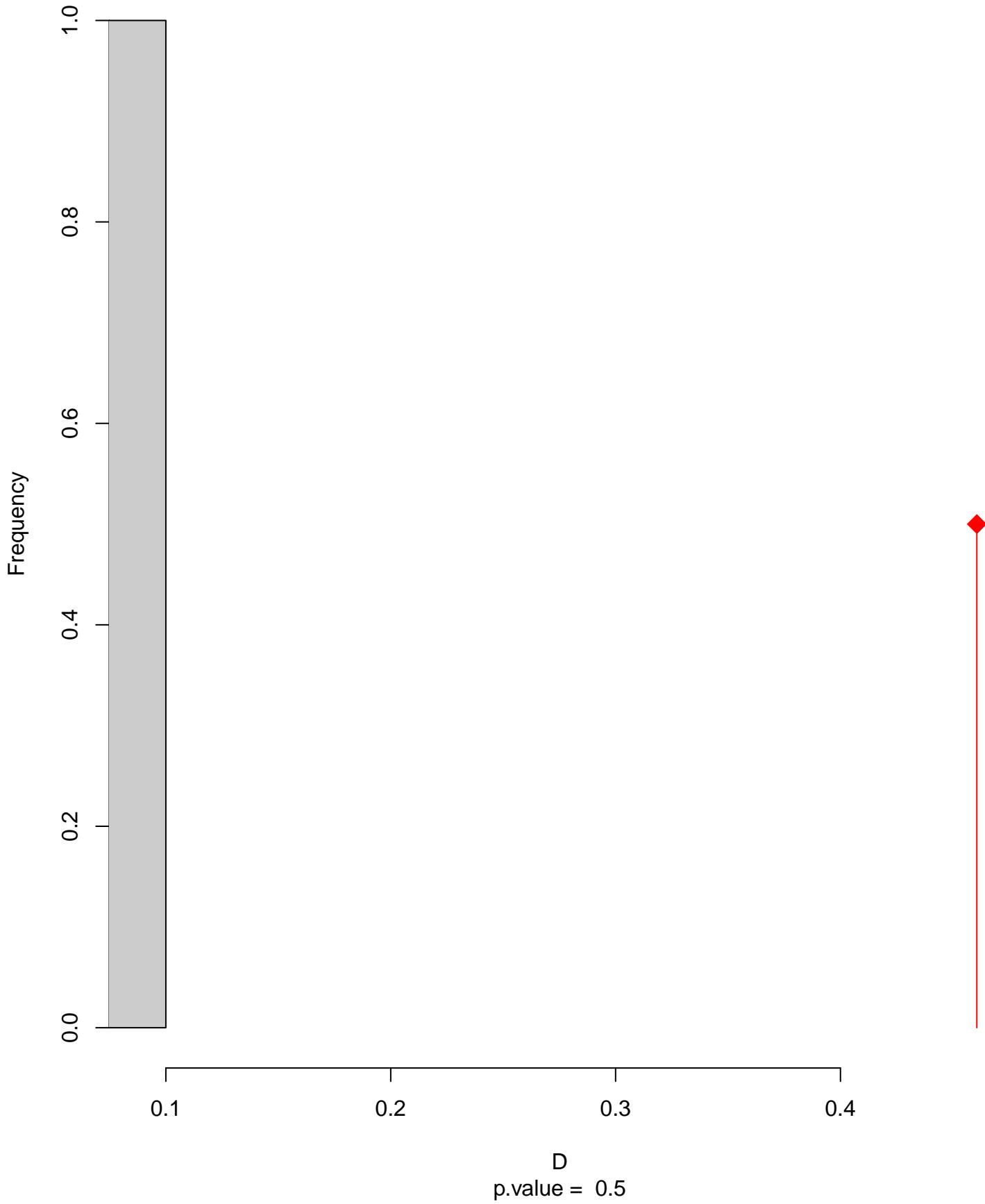
Equivalency



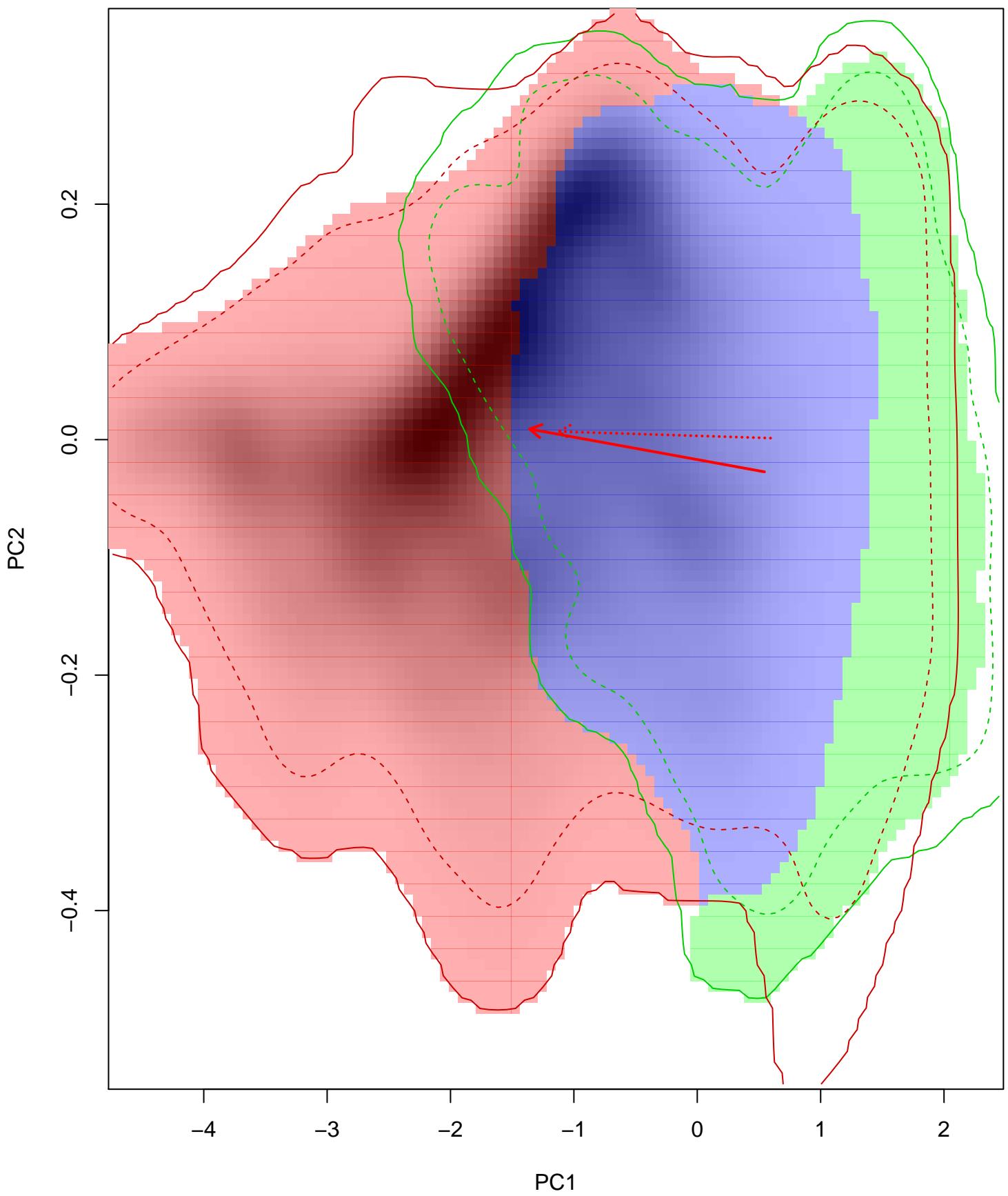
Similarity 2->1



Similarity 1→2

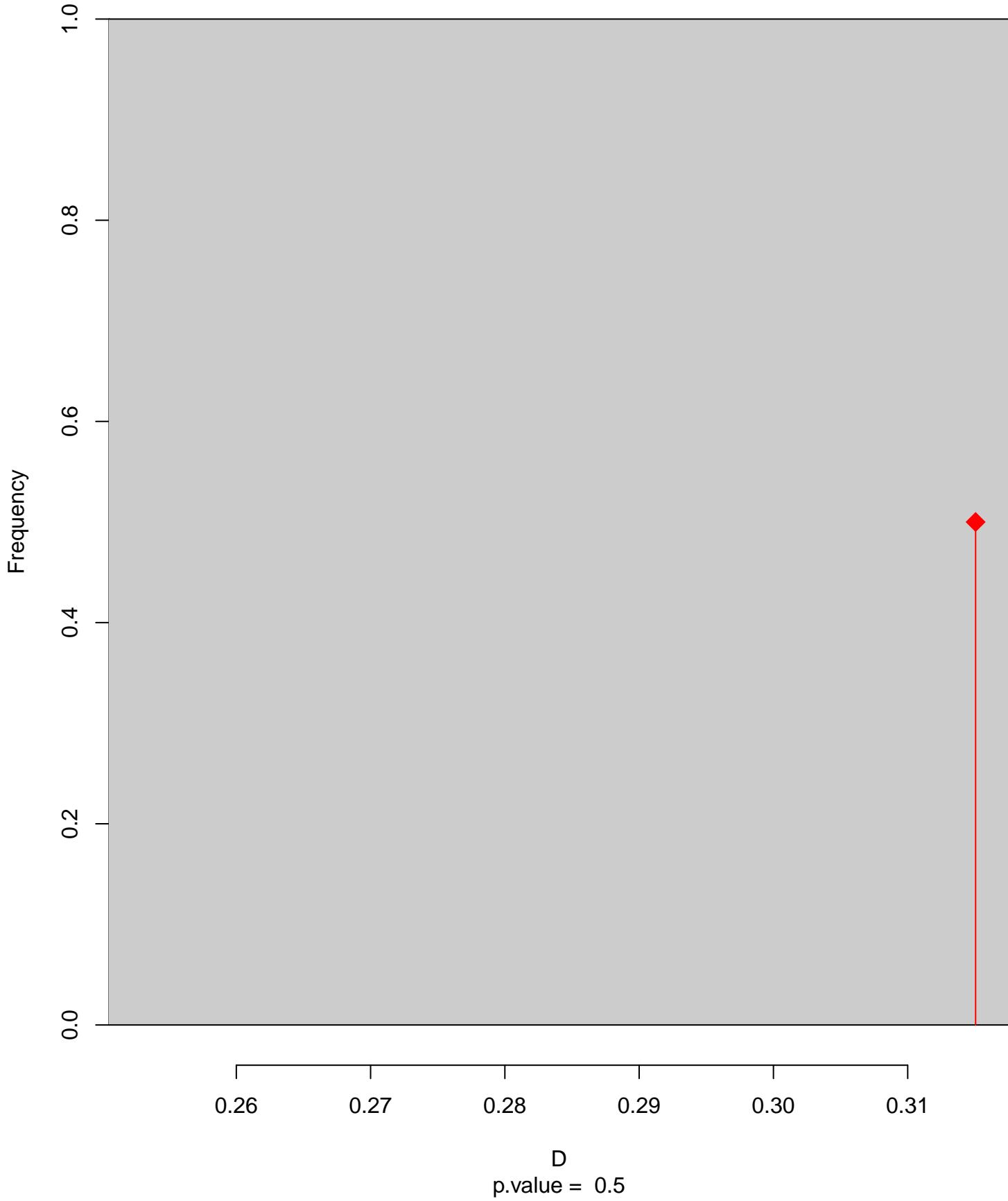


Hirundo_rustica seasonal overlap-hypo wi

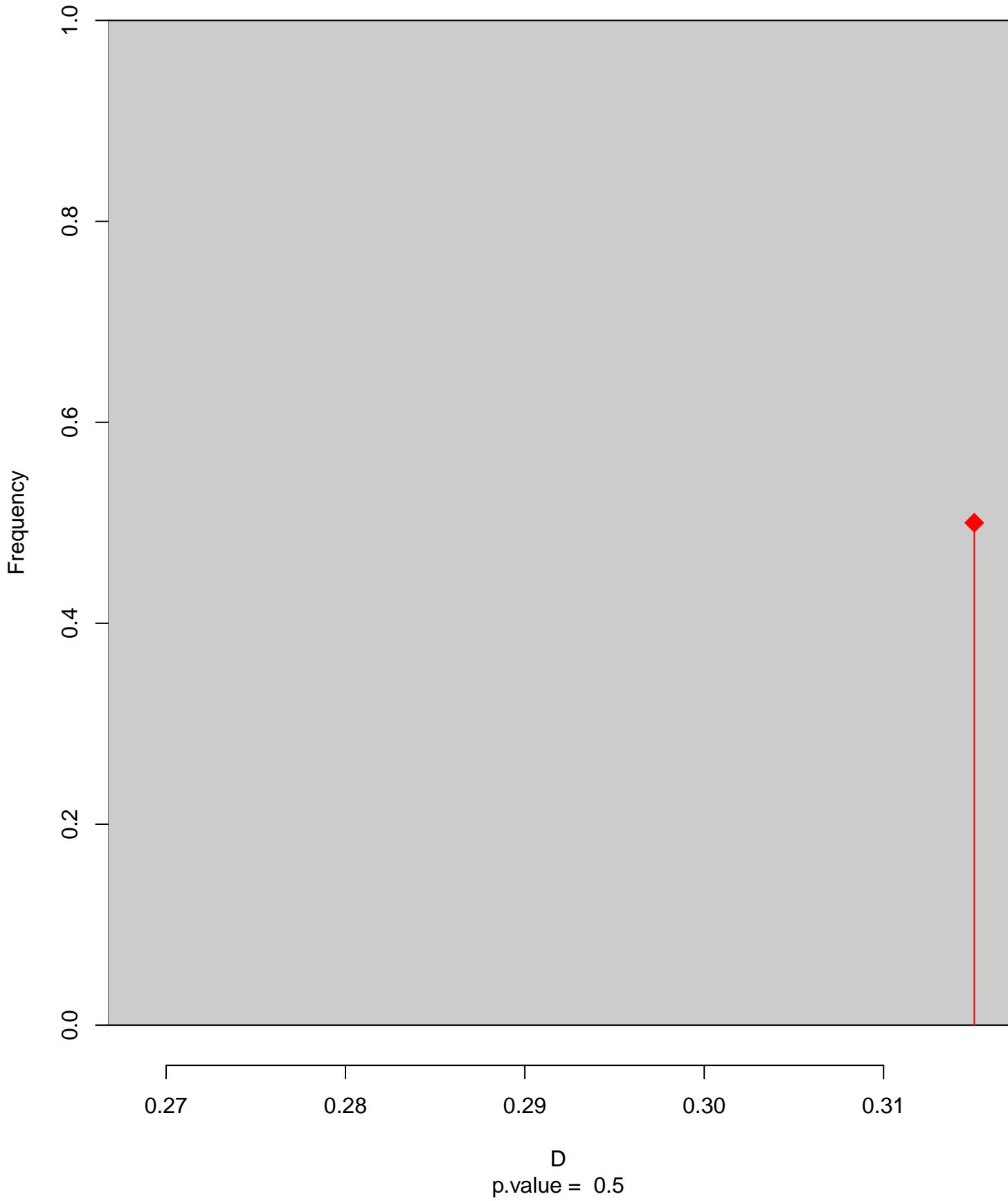


niche overlap:
 $D = 0.315$

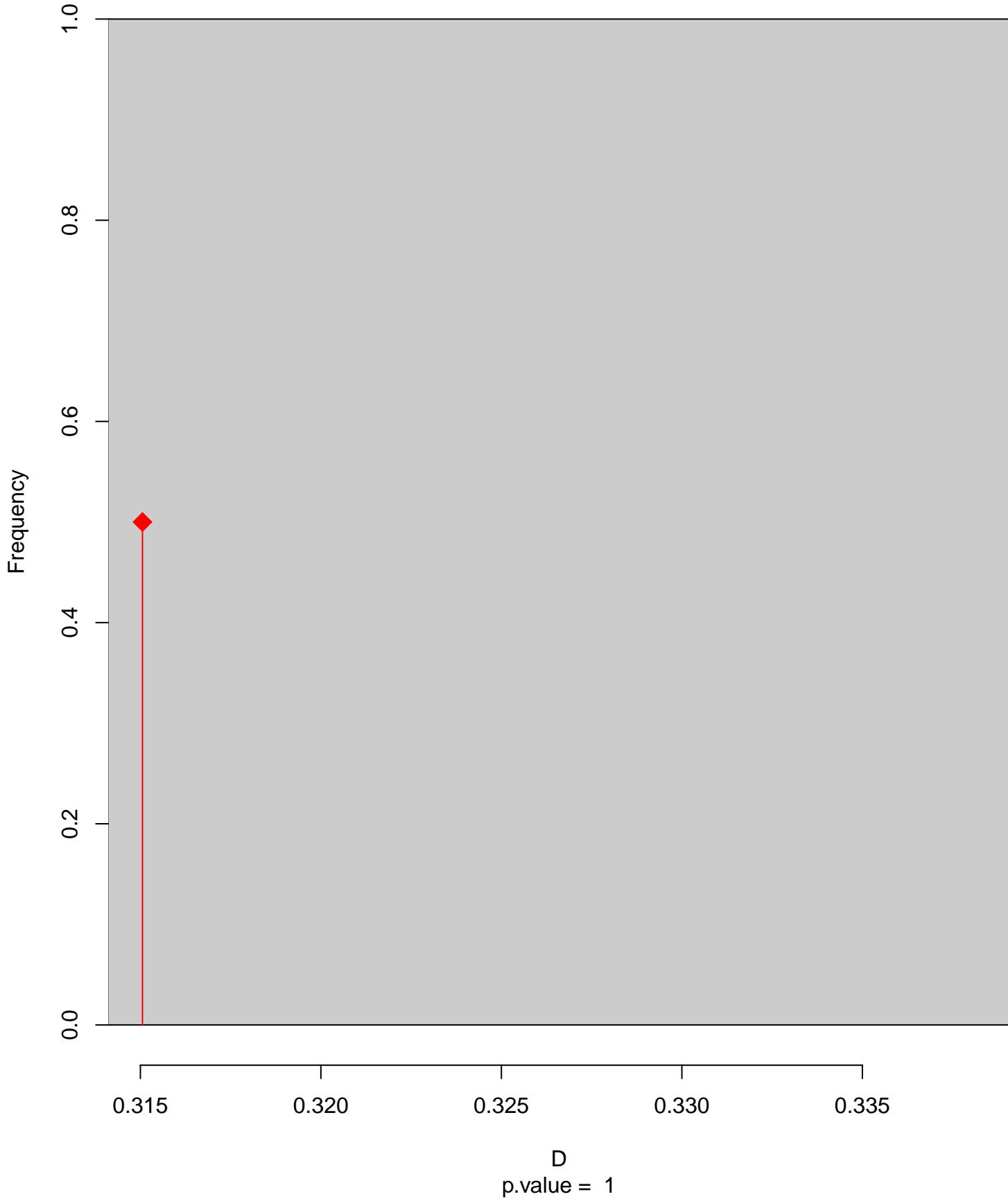
Equivalency



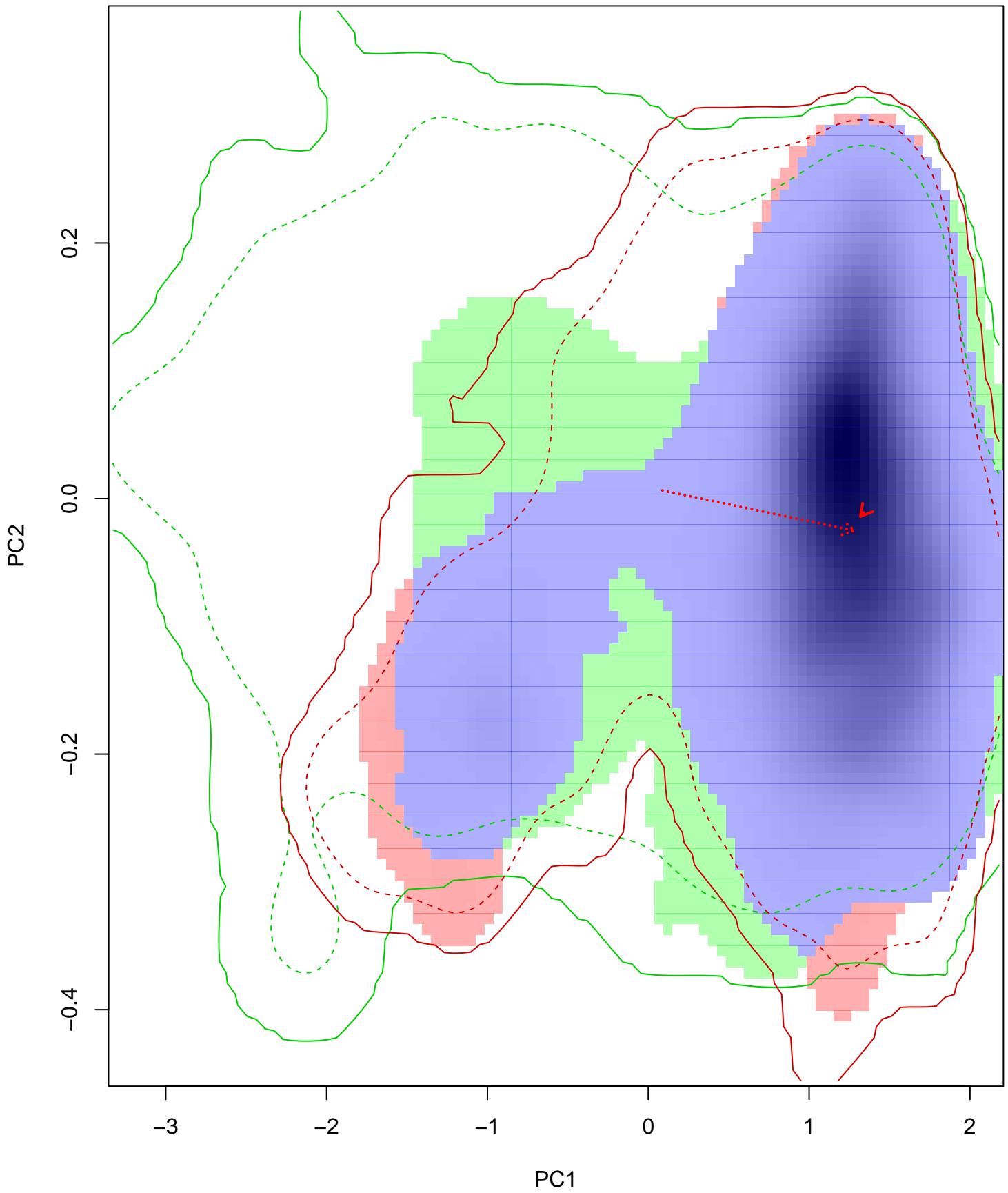
Similarity 2->1



Similarity 1→2

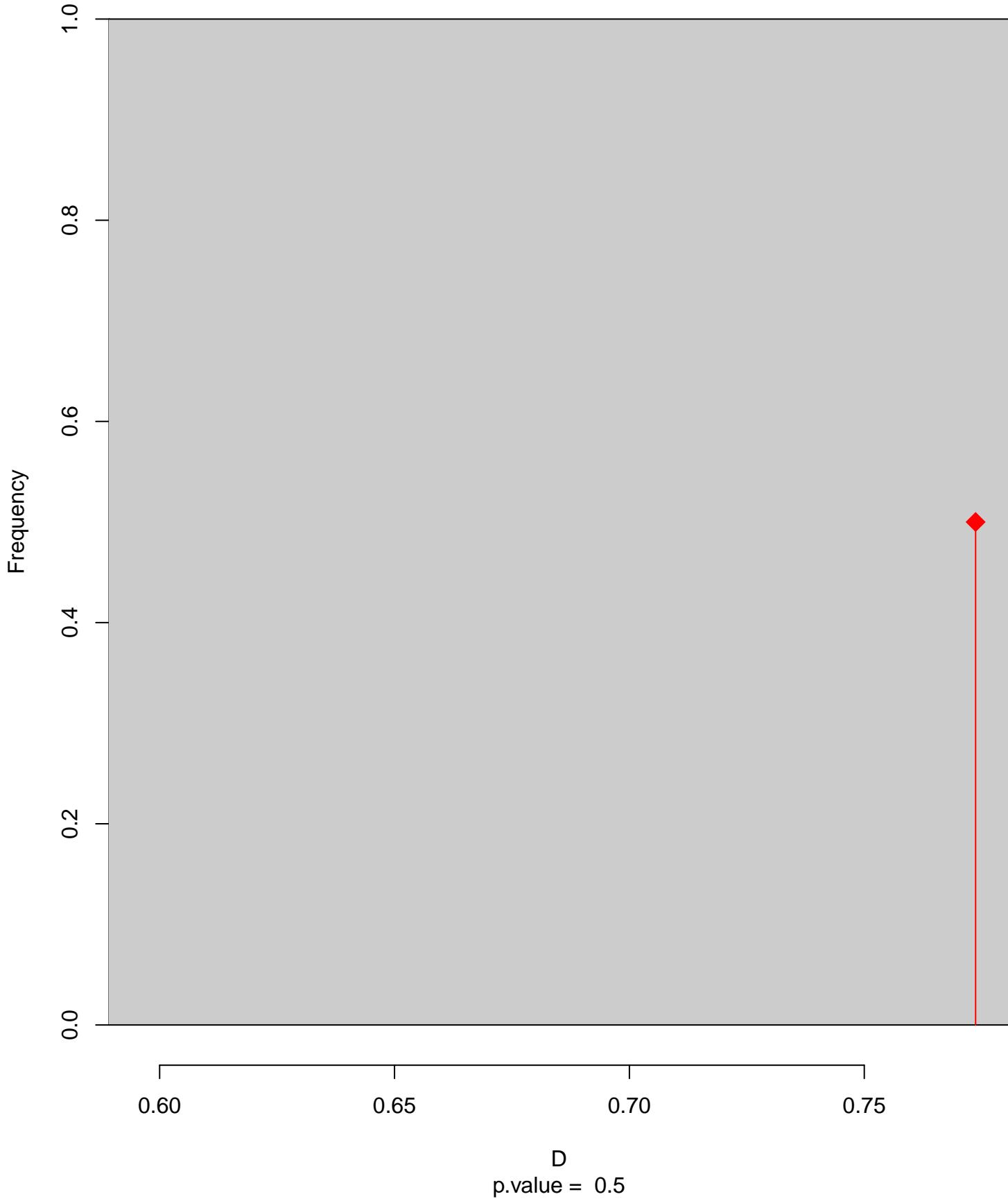


Hirundo_smithii seasonal overlap

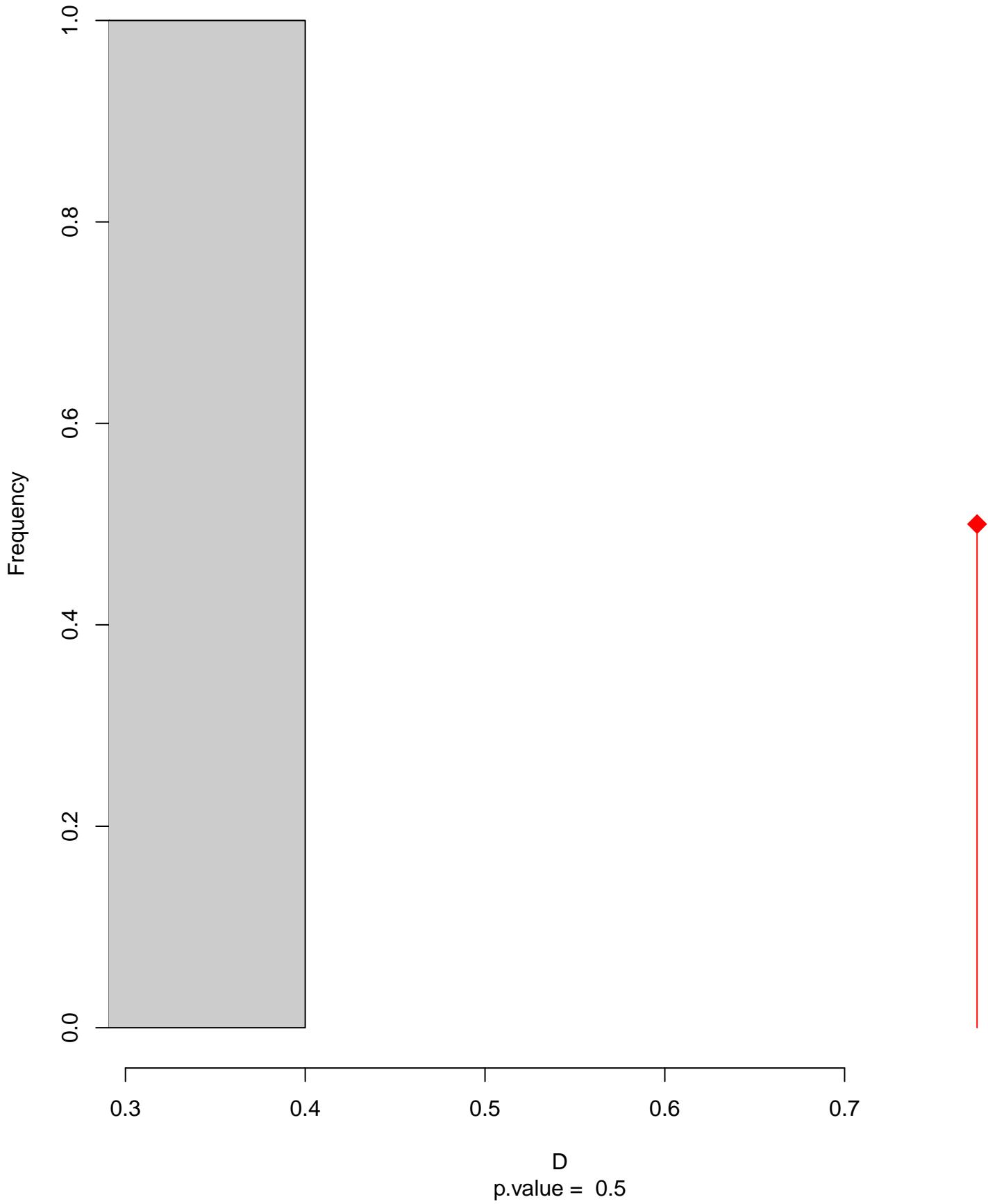


niche overlap:
 $D = 0.774$

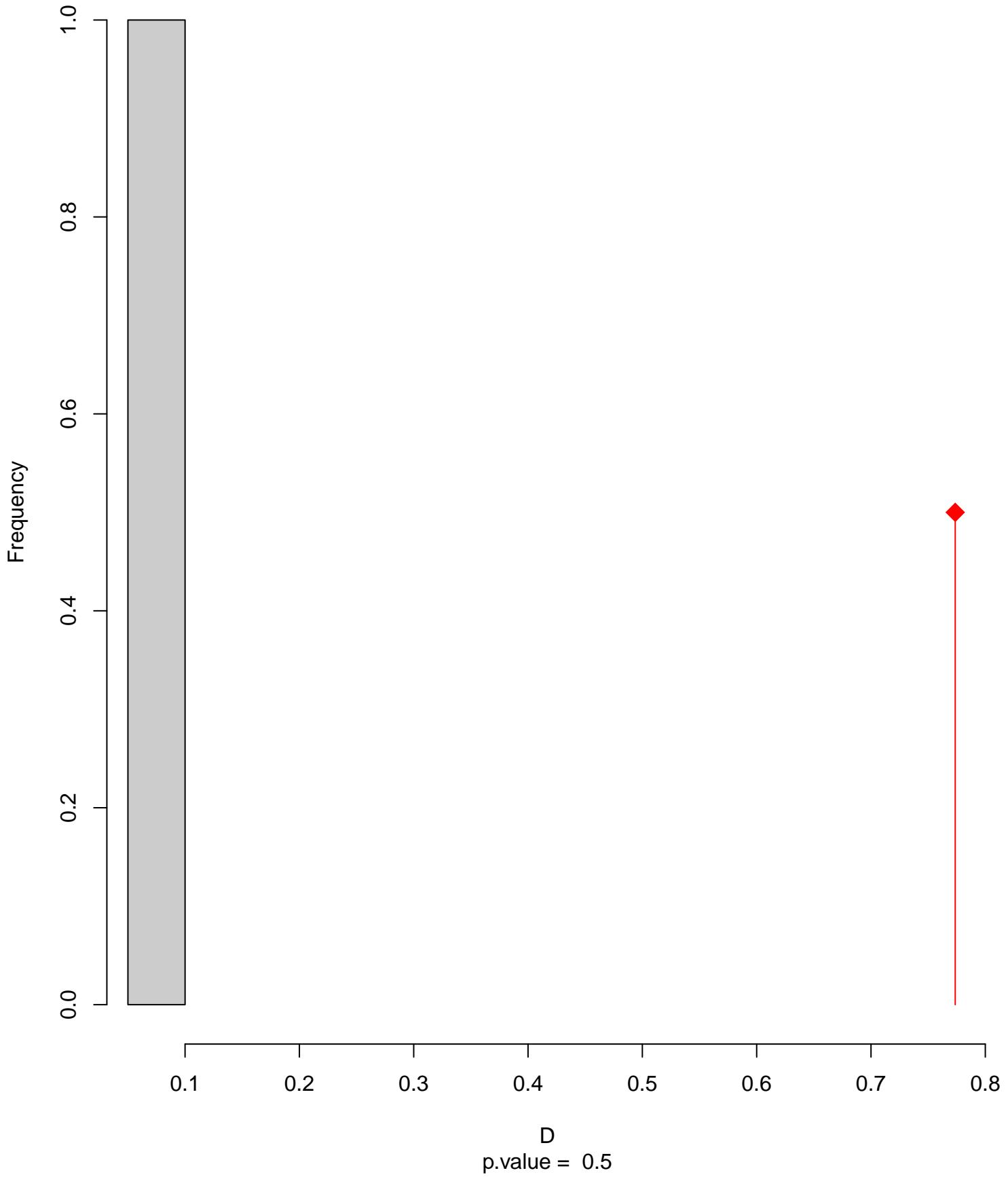
Equivalency



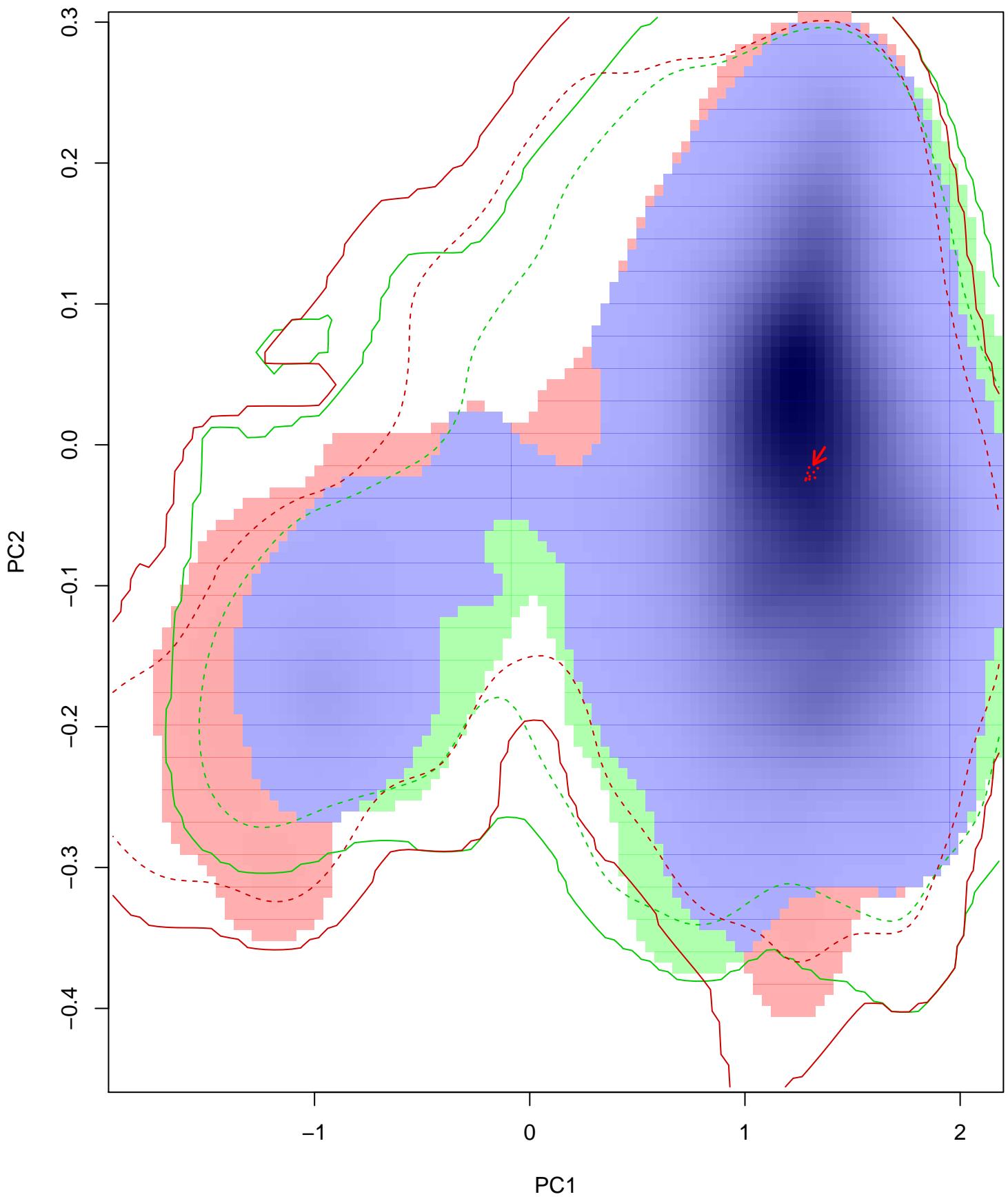
Similarity 2->1



Similarity 1→2

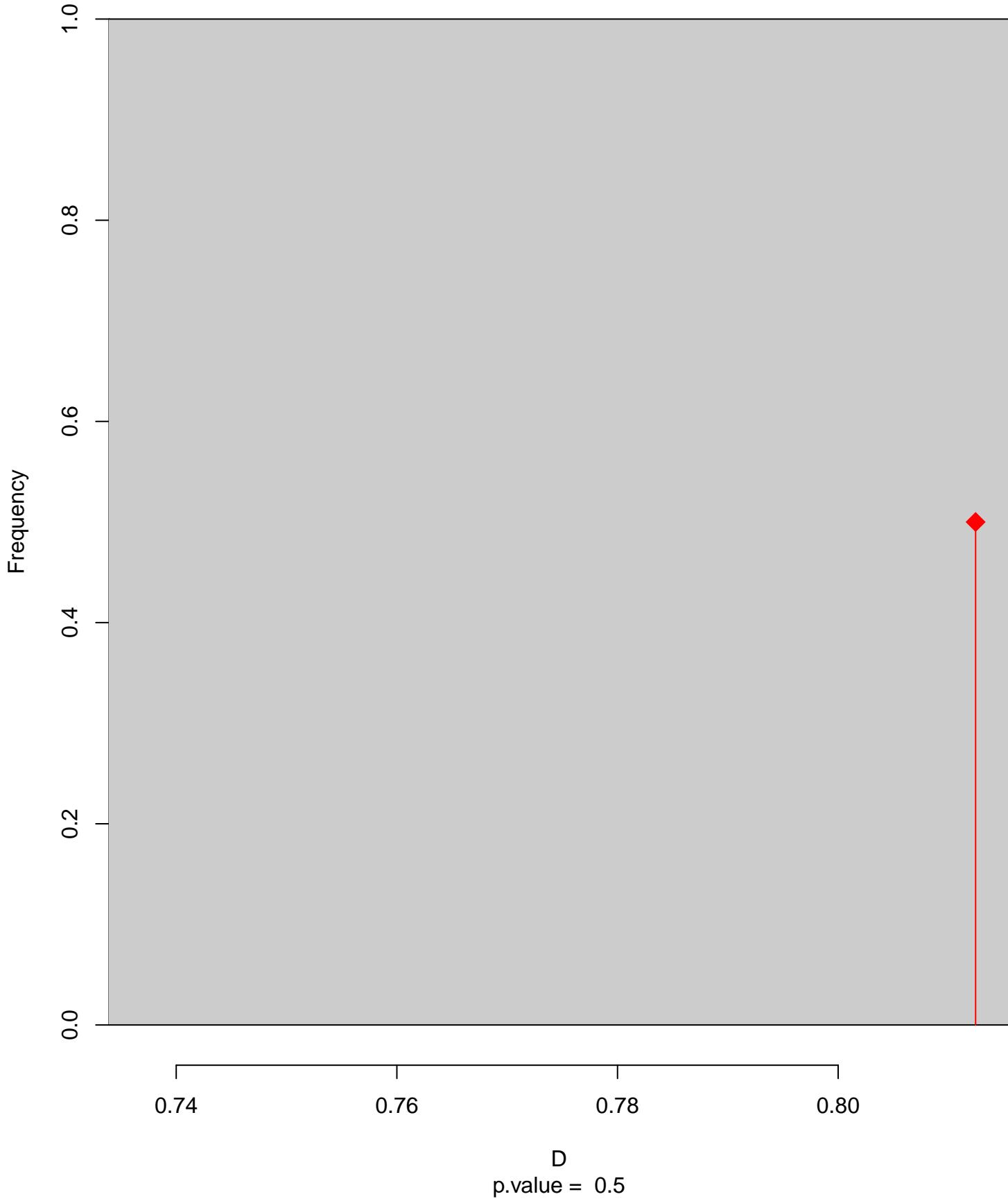


Hirundo_smithii seasonal overlap-hypo.br

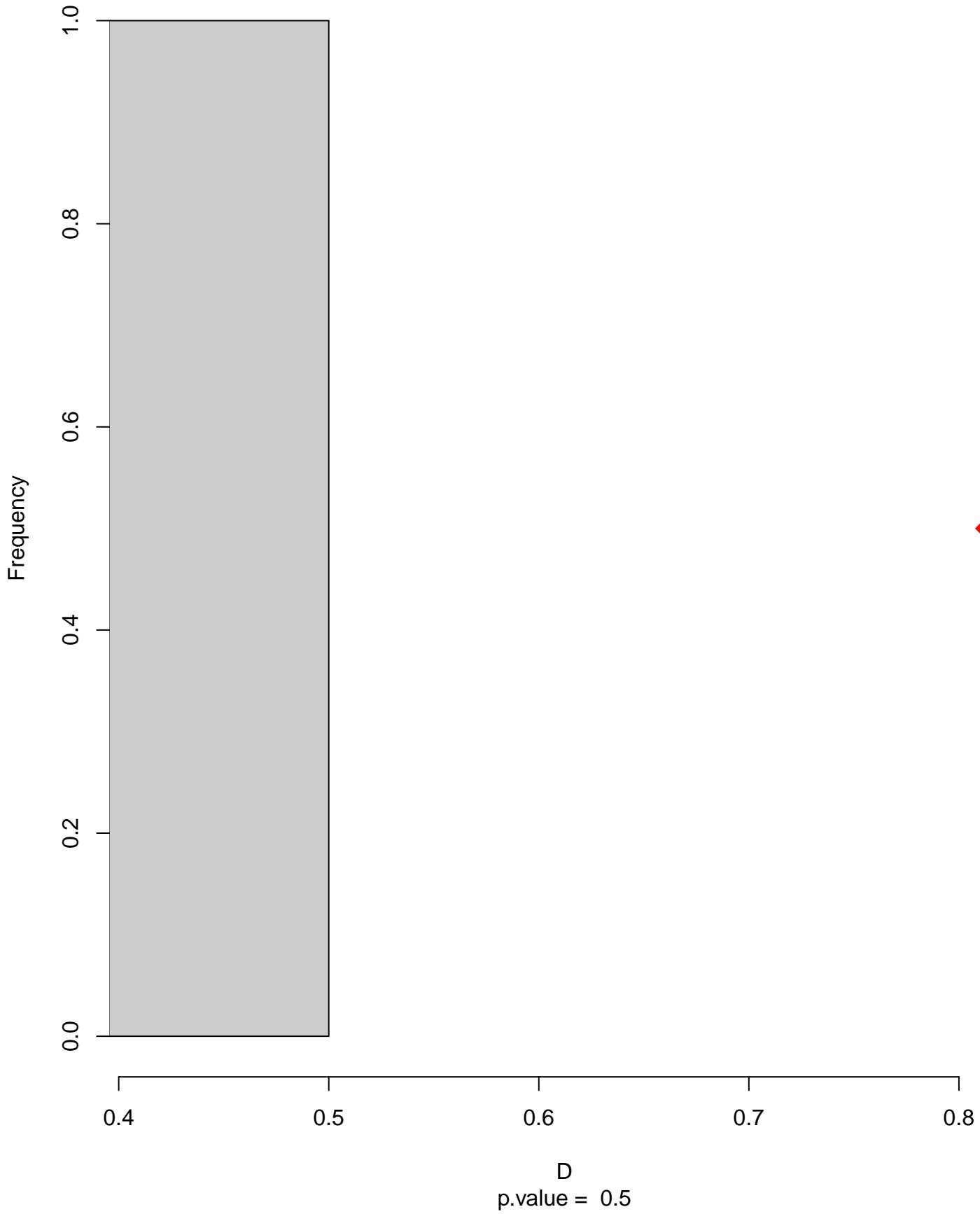


niche overlap:
 $D = 0.812$

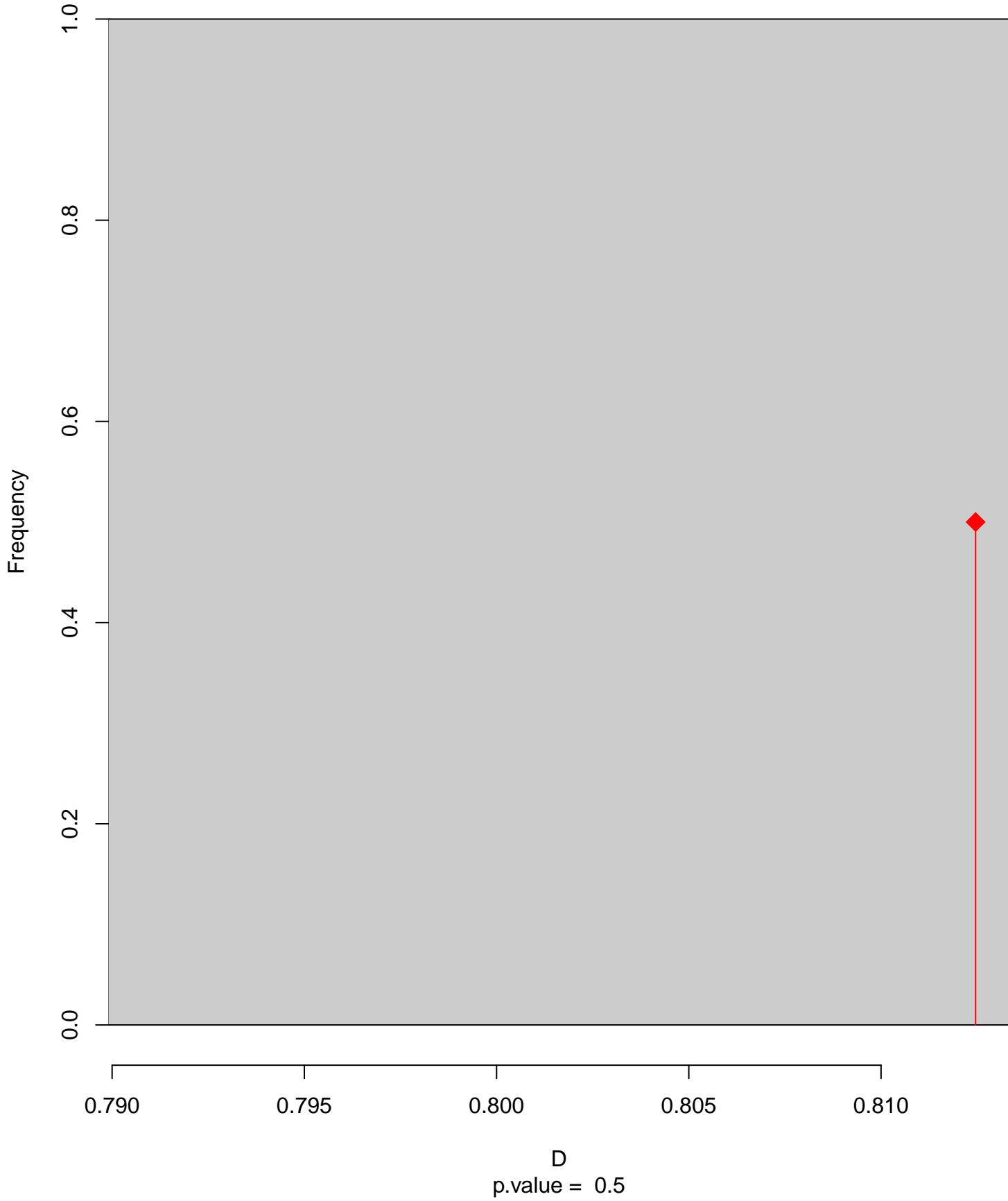
Equivalency



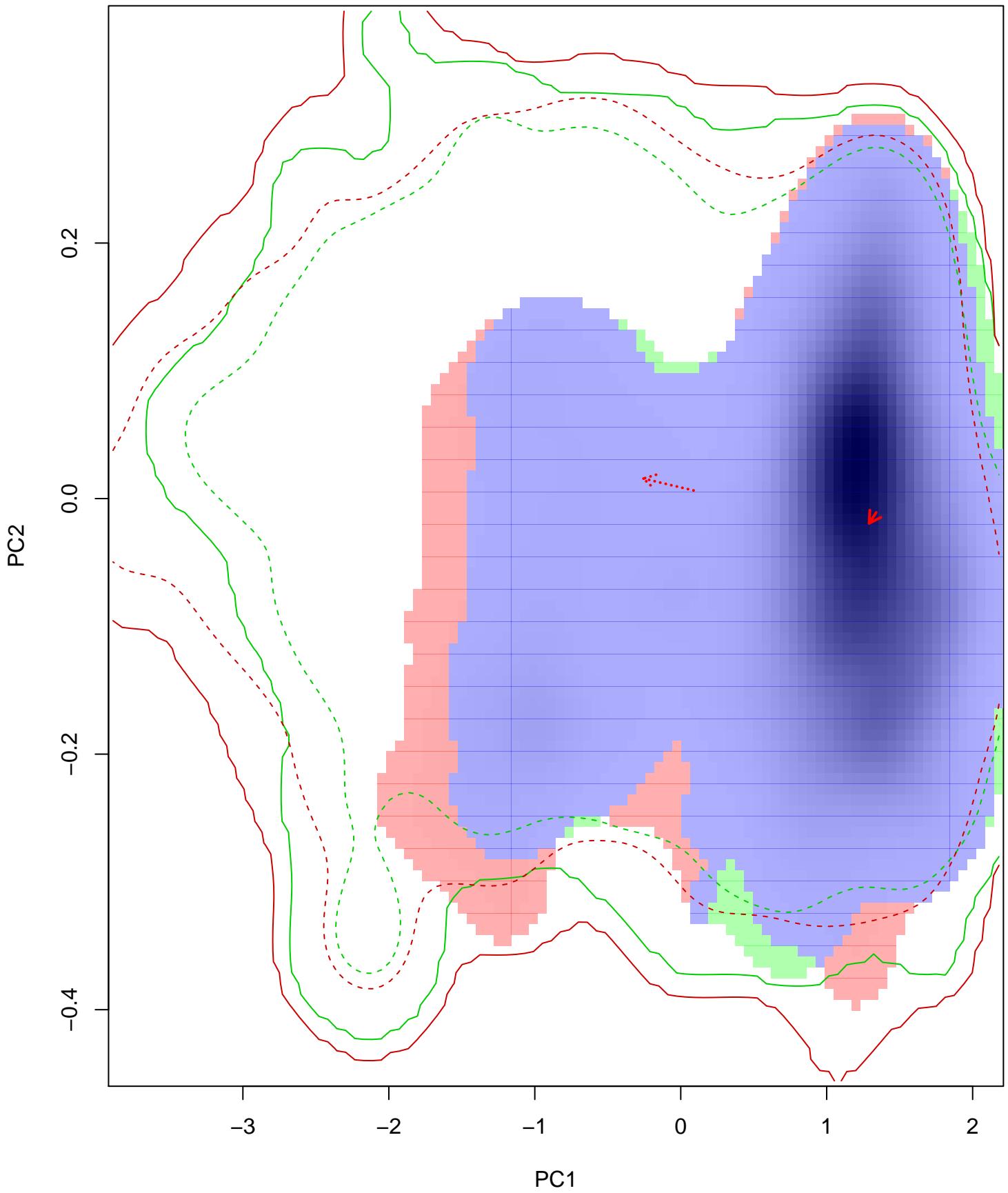
Similarity 2->1



Similarity 1→2

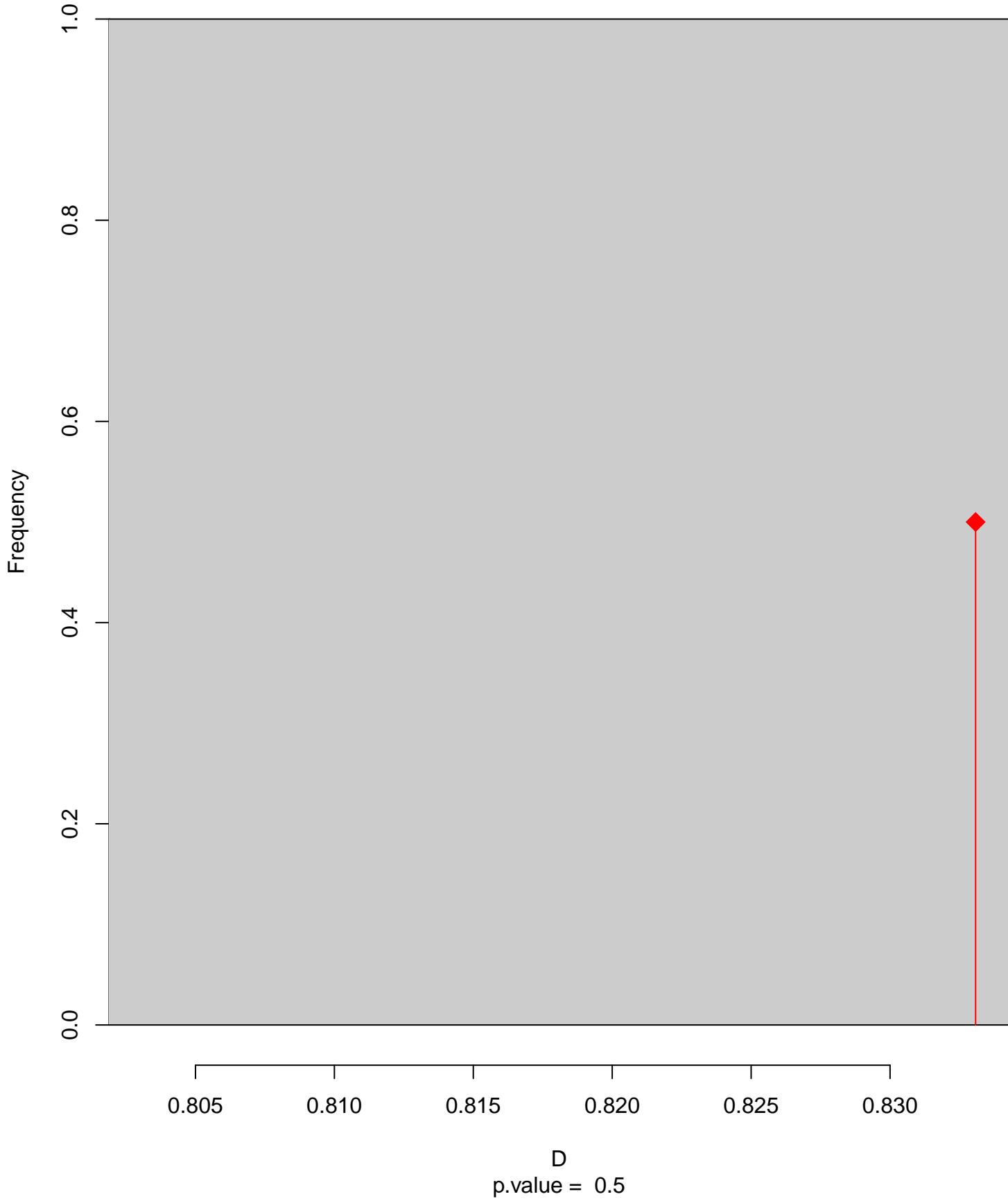


Hirundo_smithii seasonal overlap-hypo wi

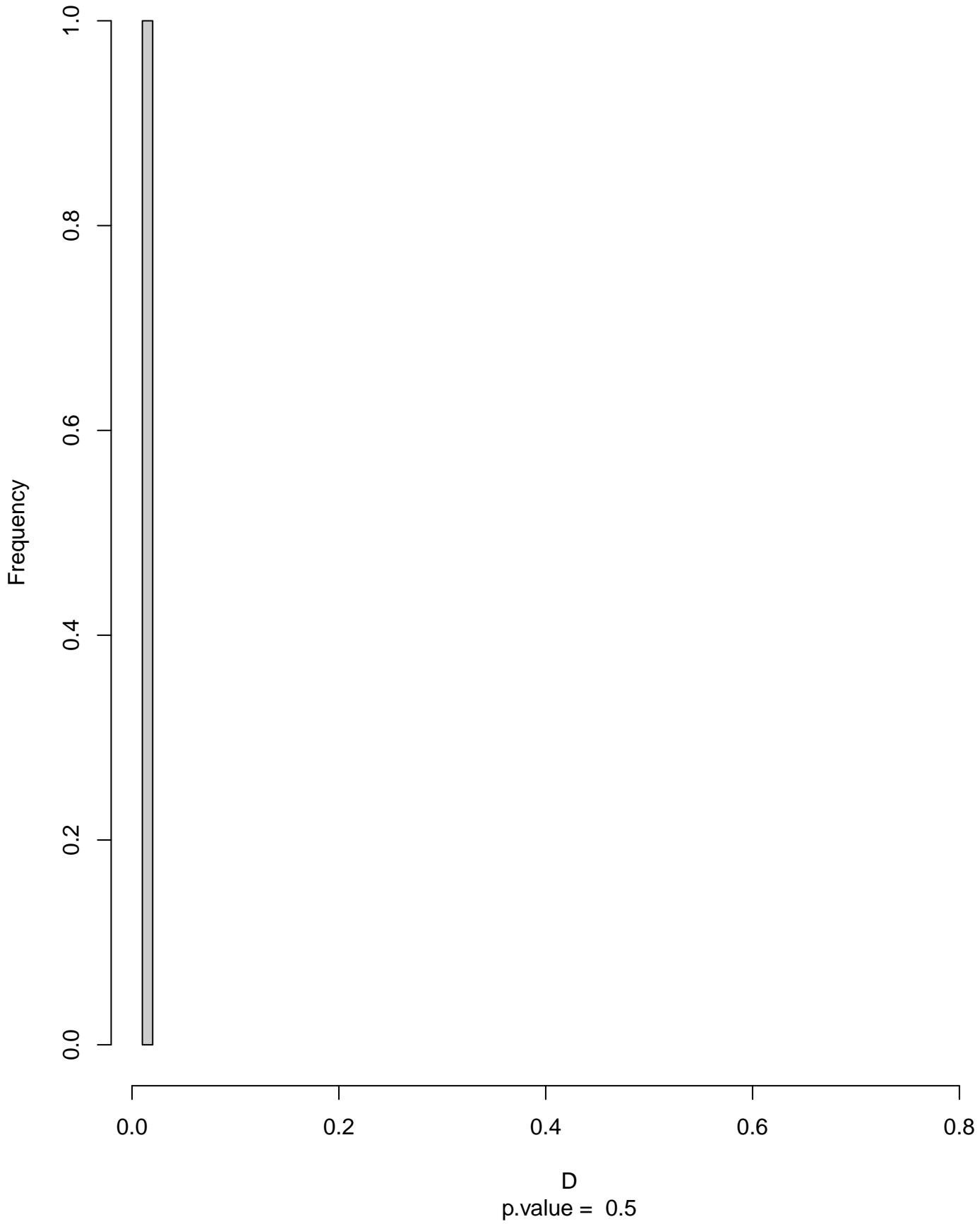


niche overlap:
 $D = 0.833$

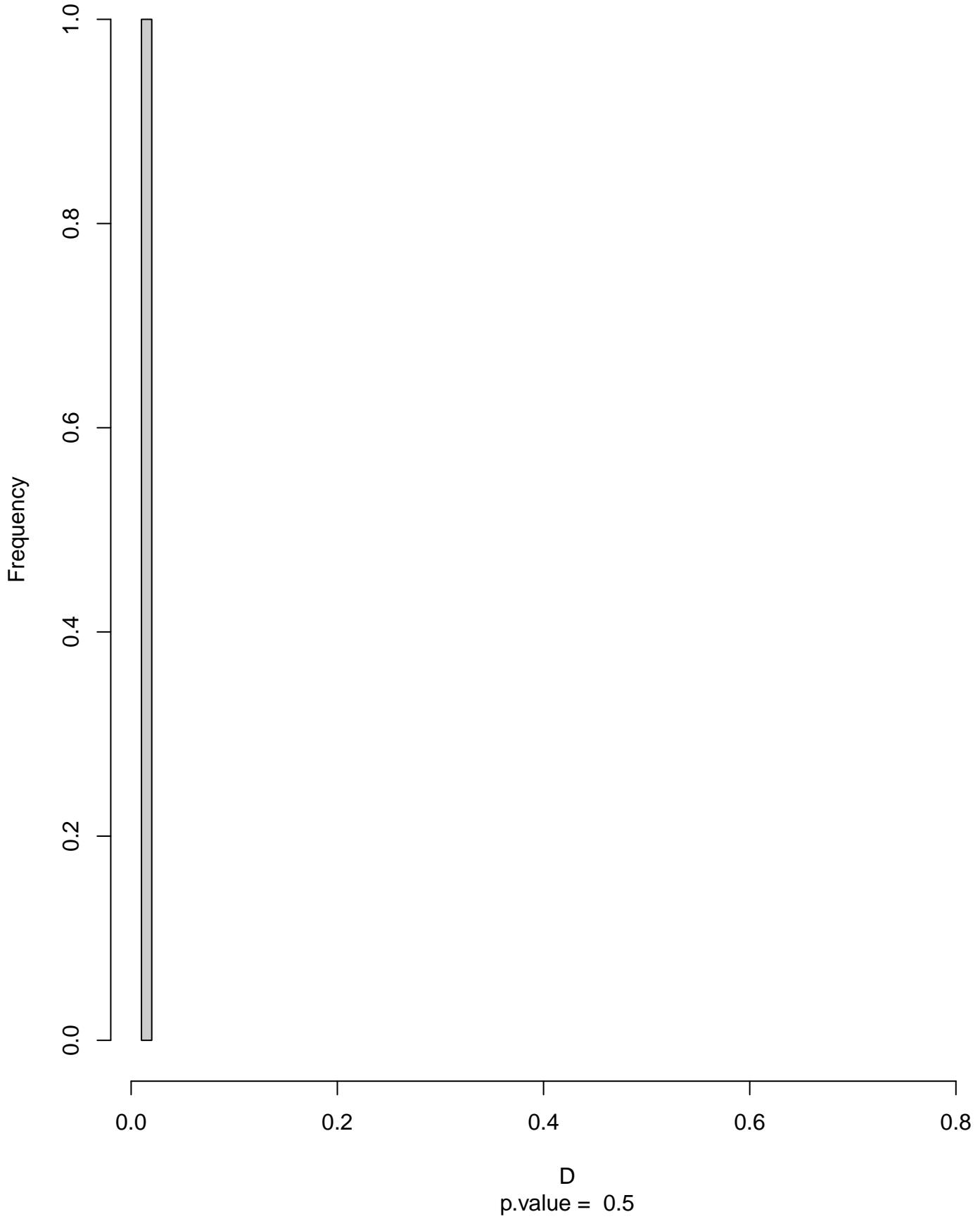
Equivalency



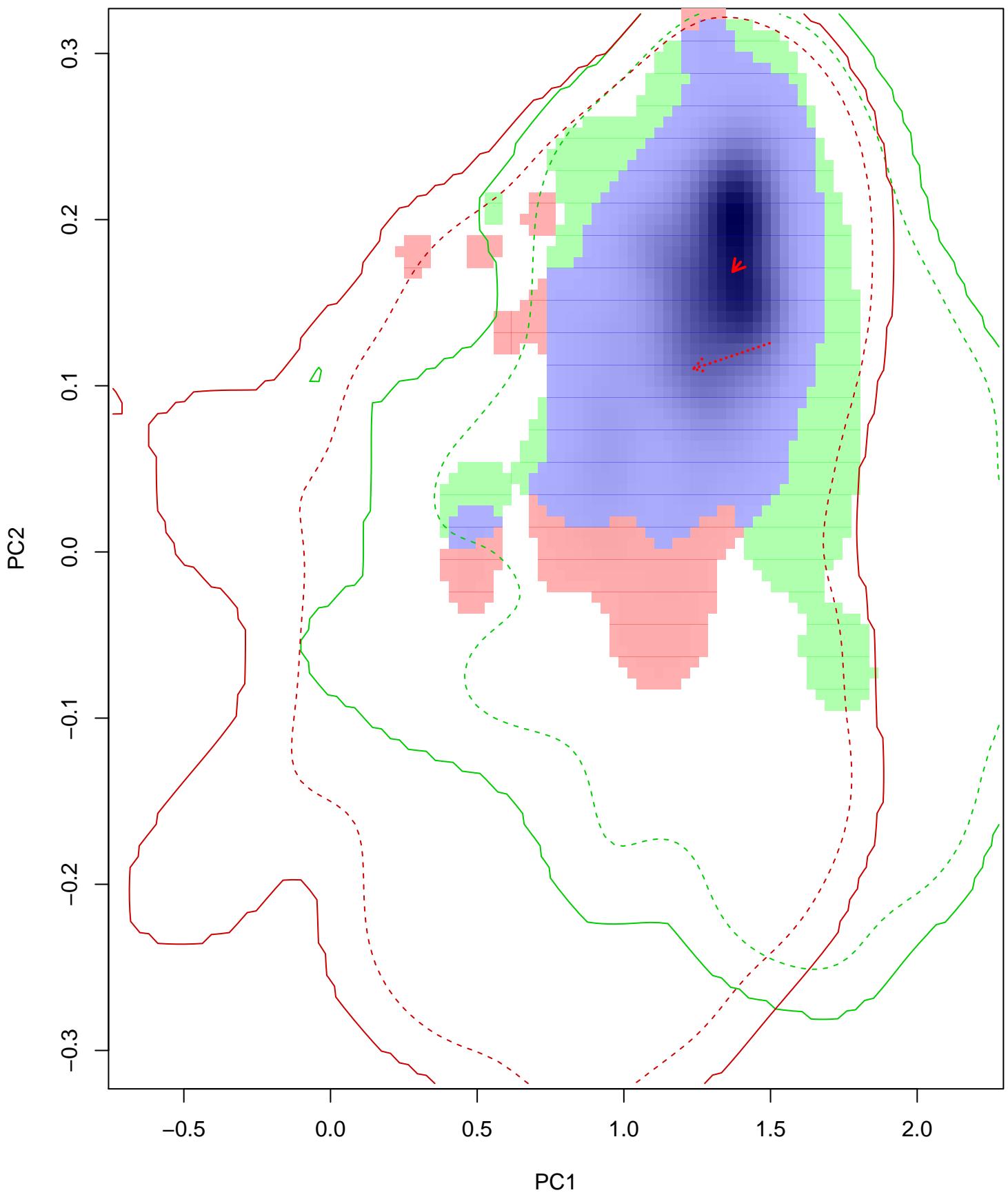
Similarity 2->1



Similarity 1→2

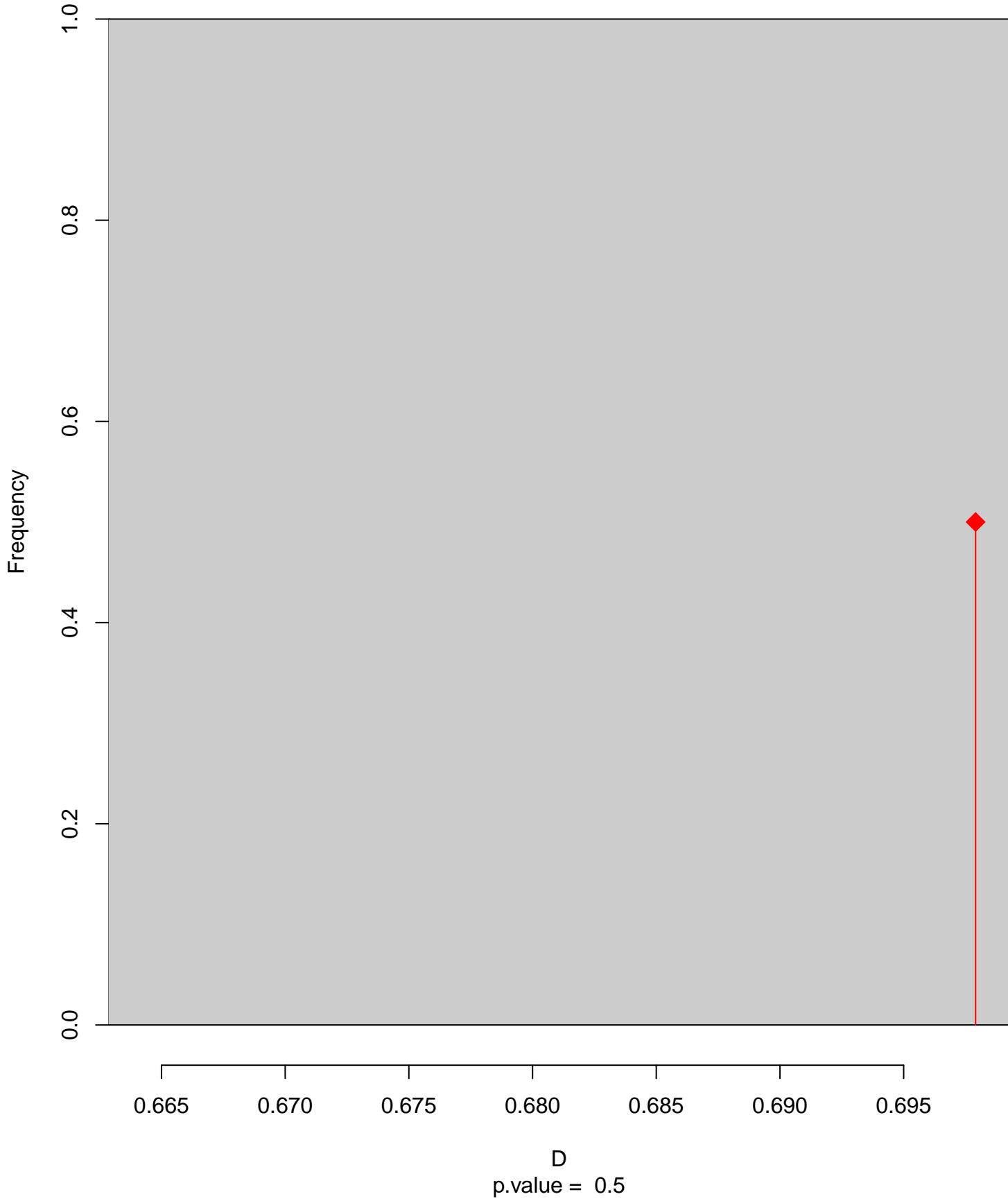


Hirundo_tahitica seasonal overlap

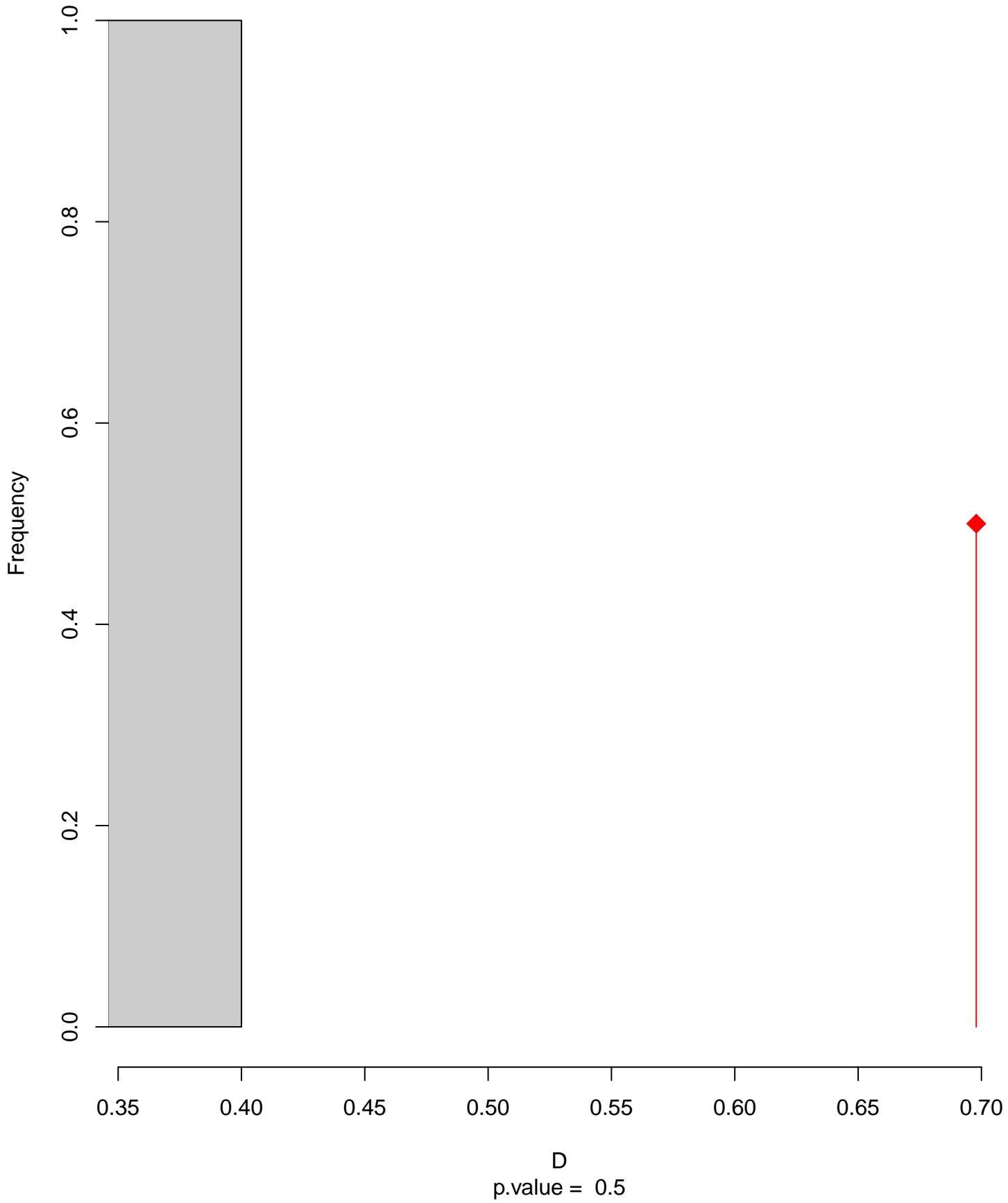


niche overlap:
 $D = 0.698$

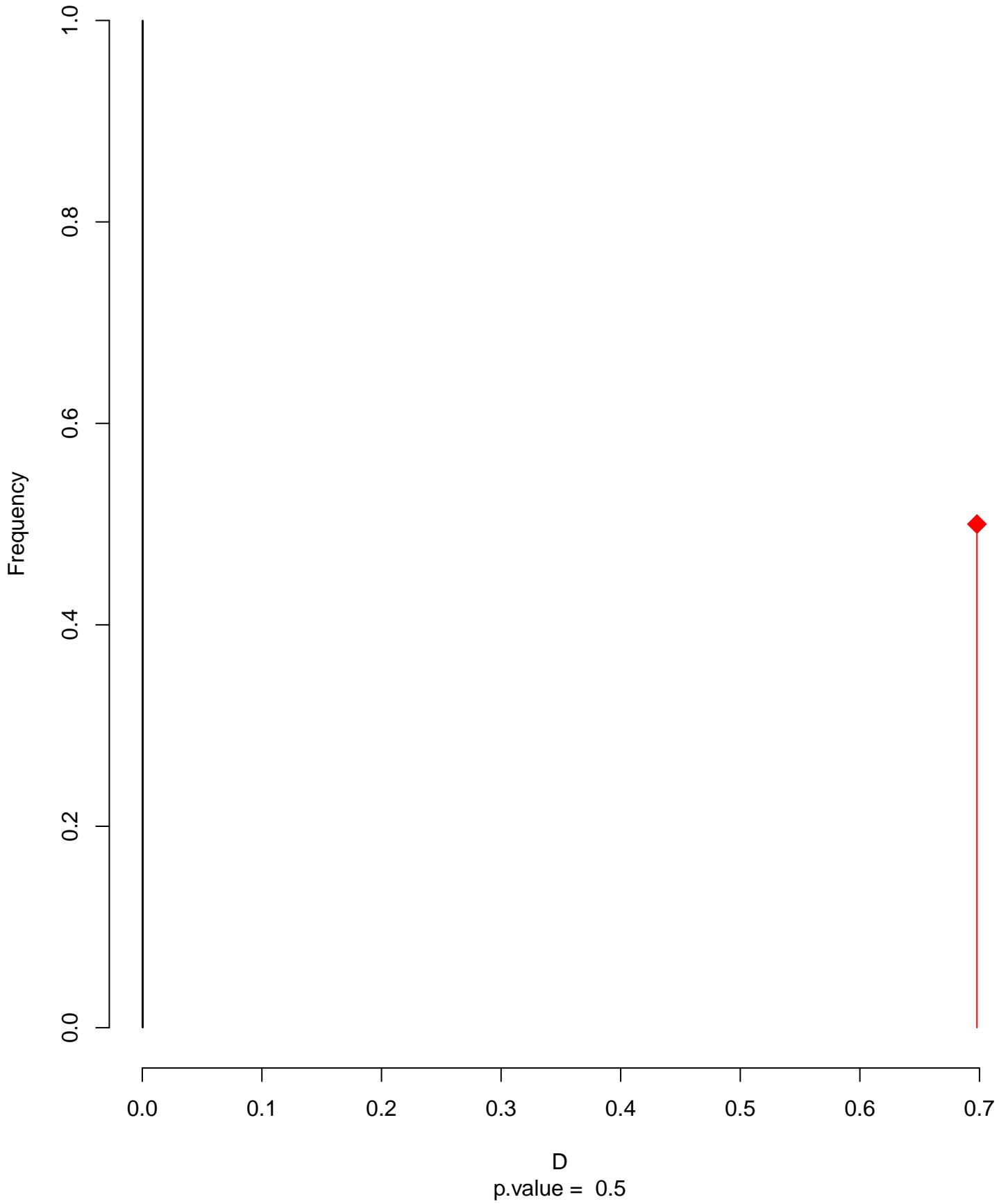
Equivalency



Similarity 2->1

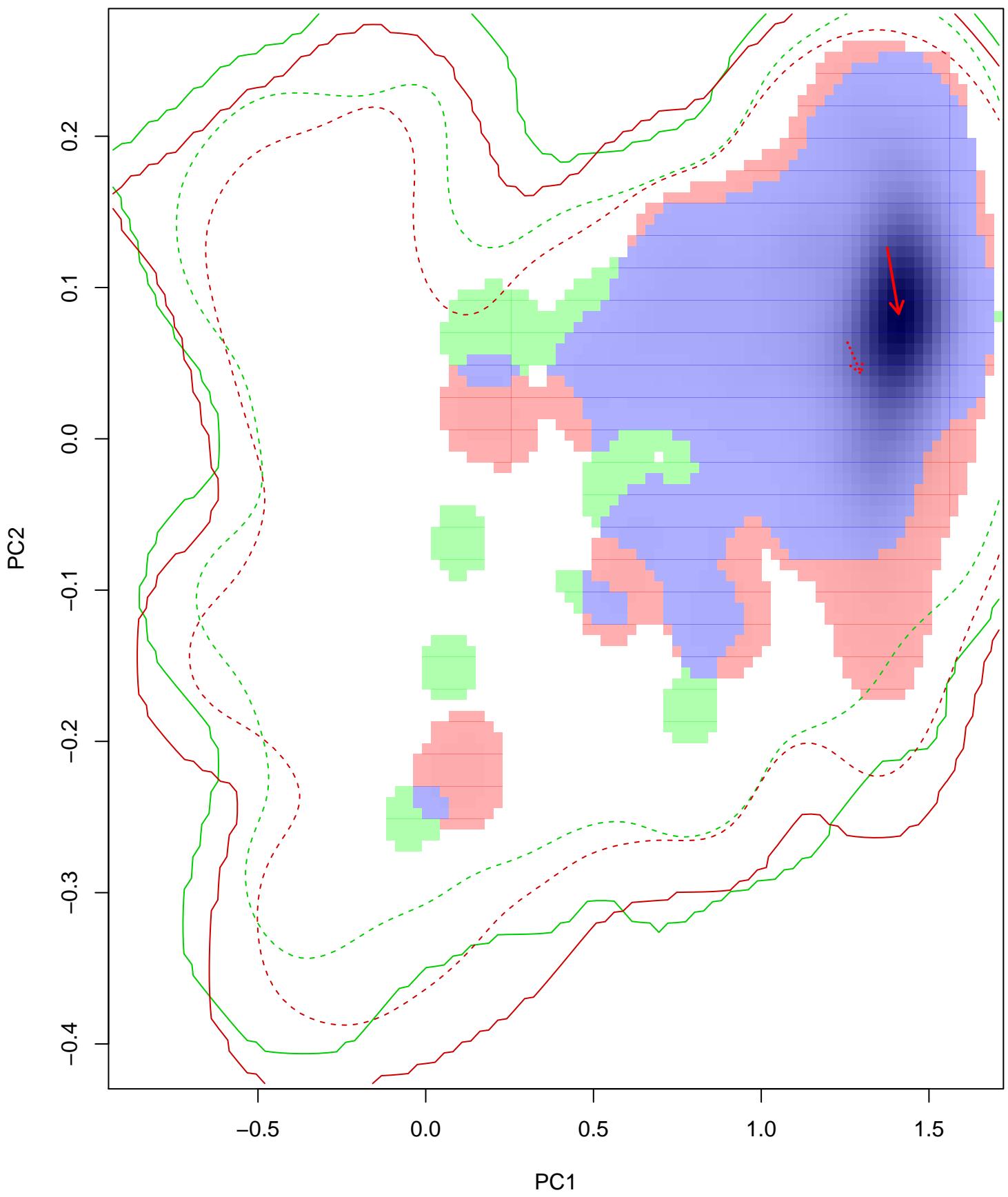


Similarity 1→2



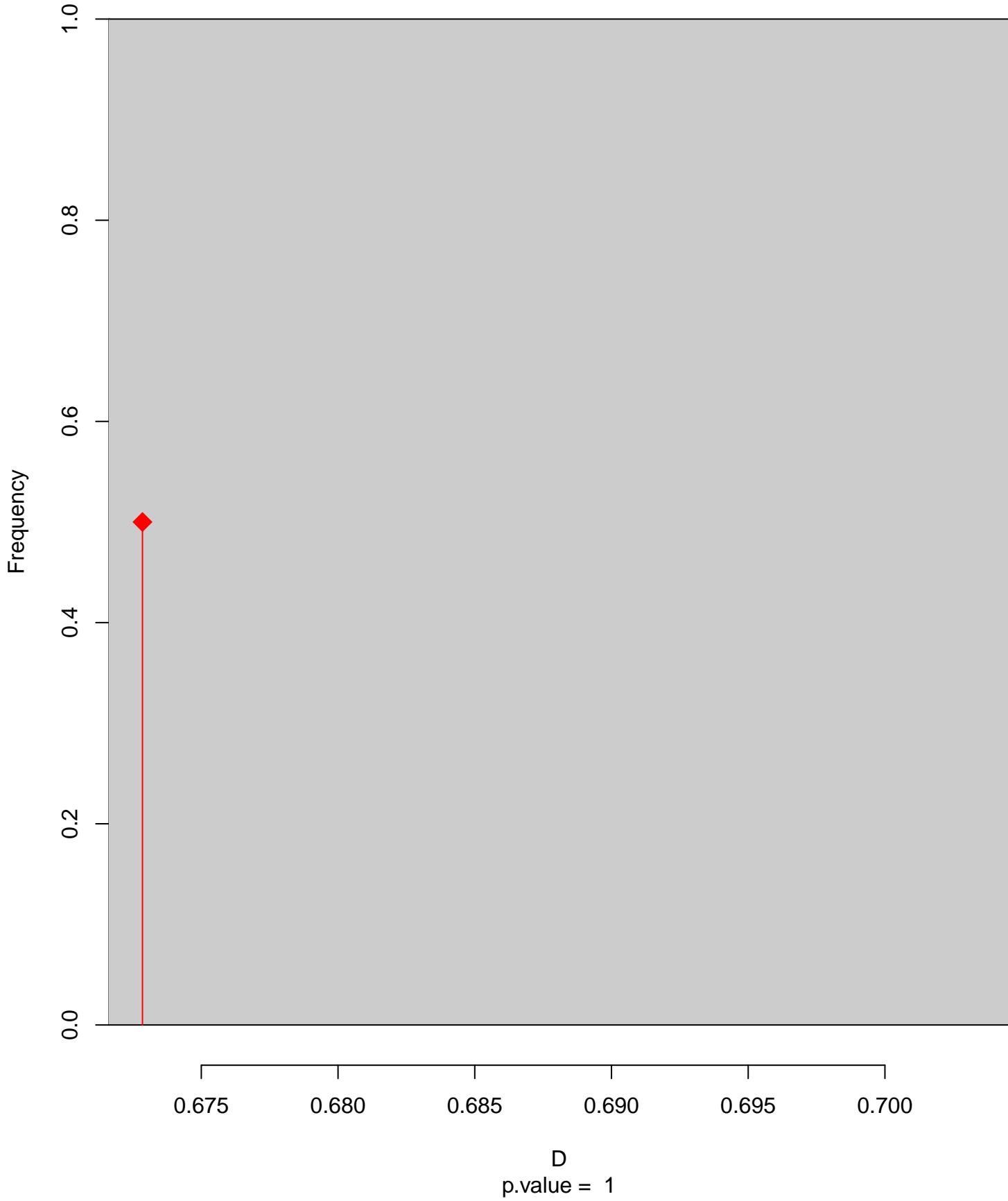
D
p.value = 0.5

Neochelidon_tibialis seasonal overlap

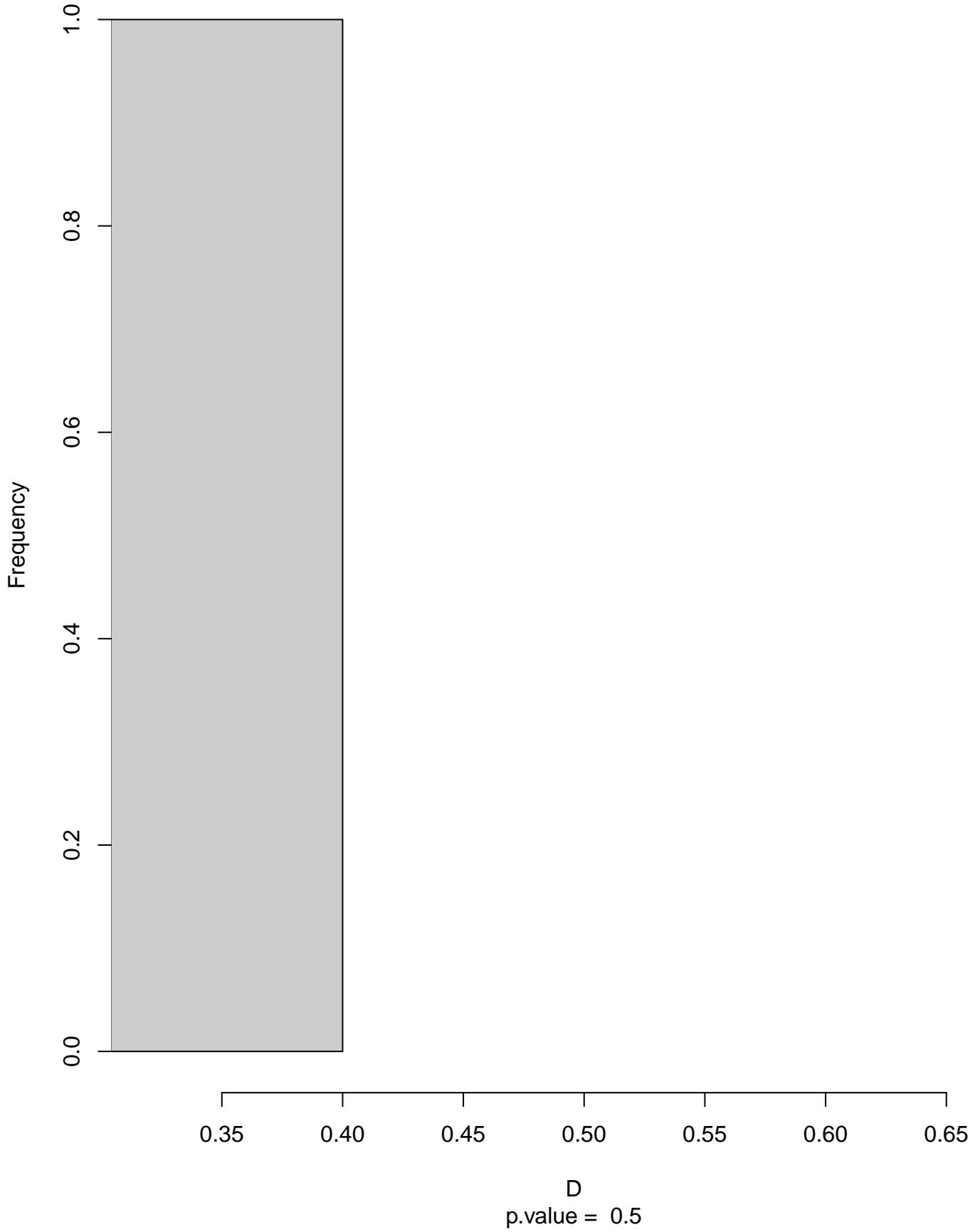


niche overlap:
 $D = 0.673$

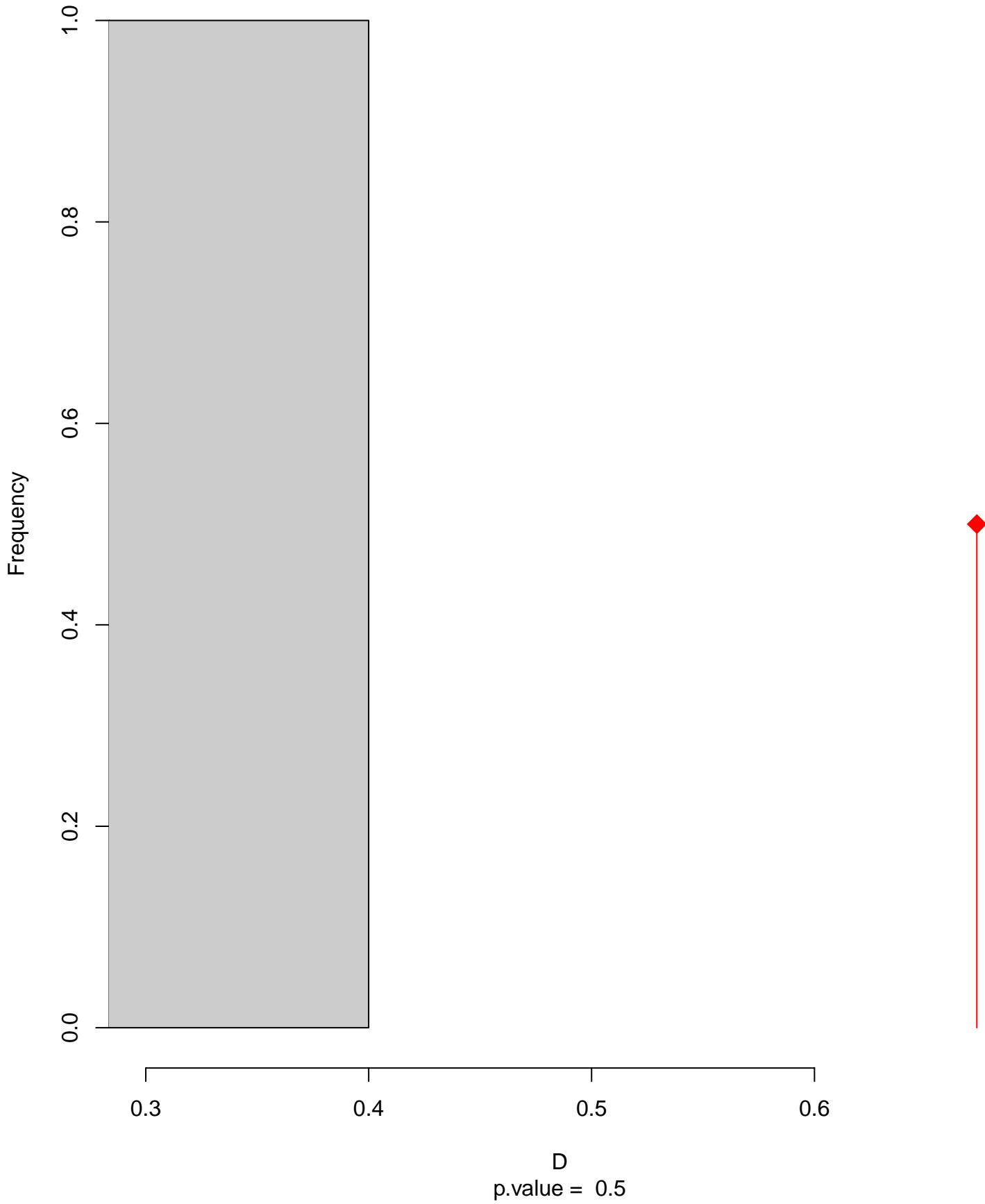
Equivalency



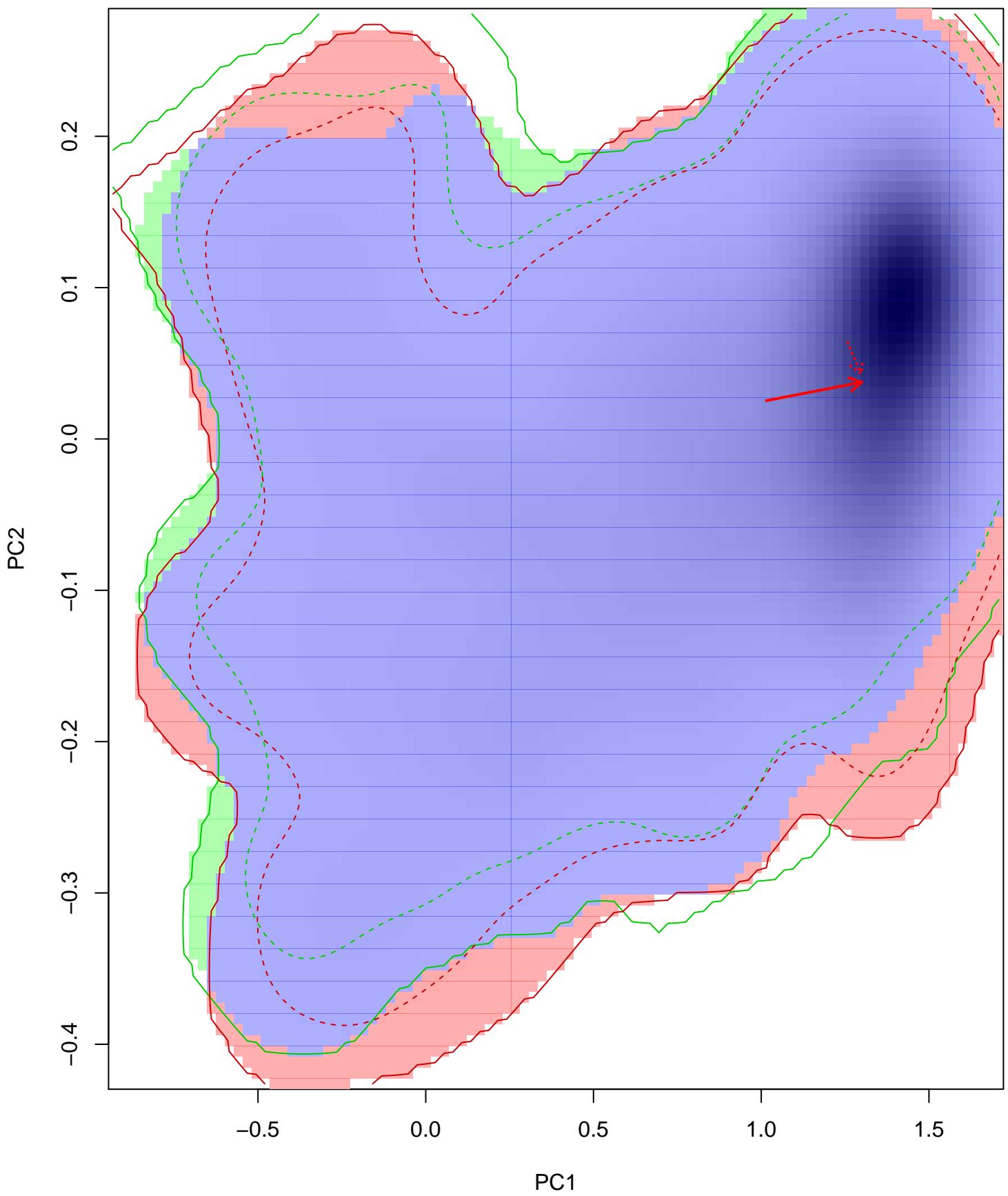
Similarity 2->1



Similarity 1→2

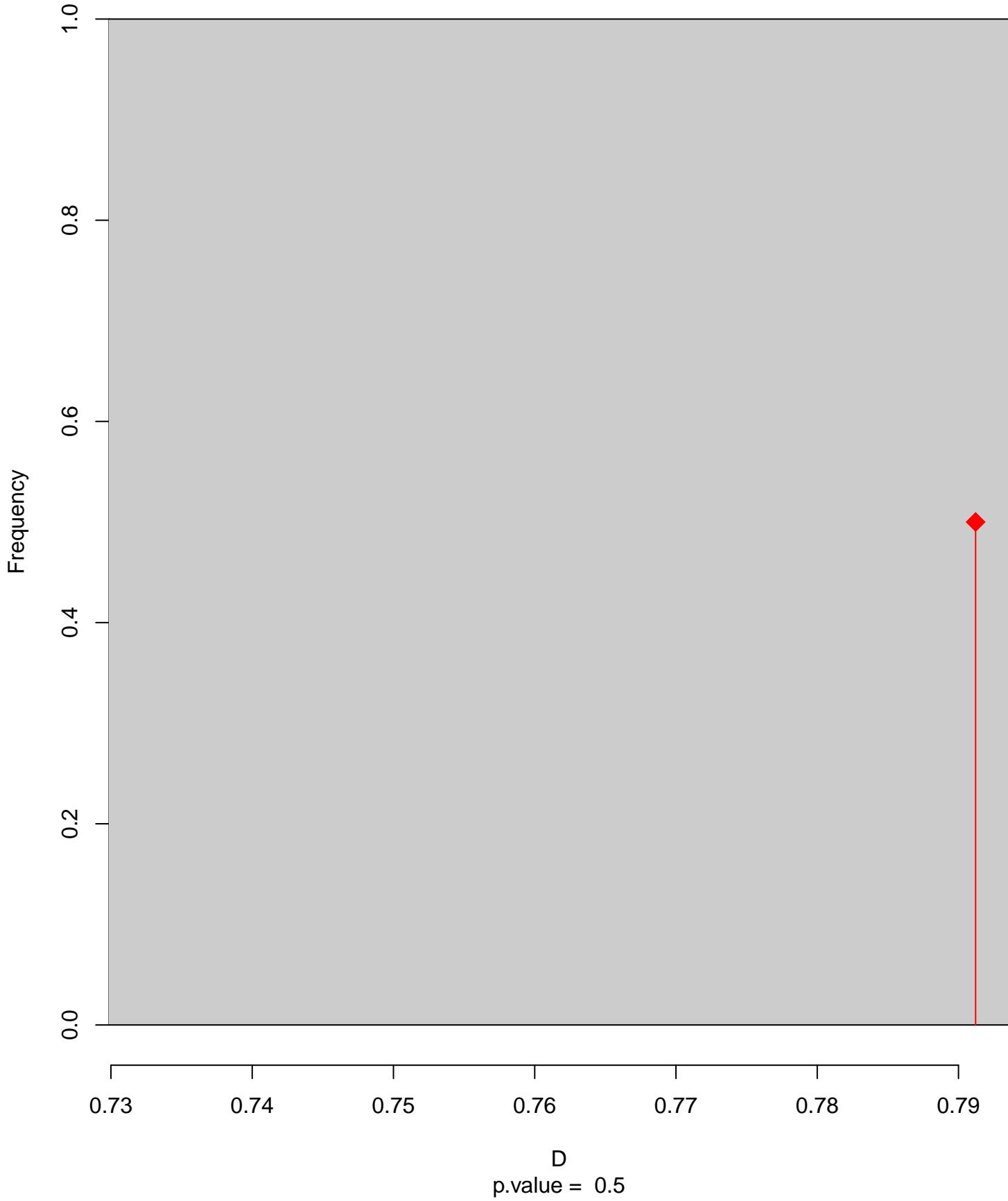


Notiochelidon_cyanoleuca seasonal overlap

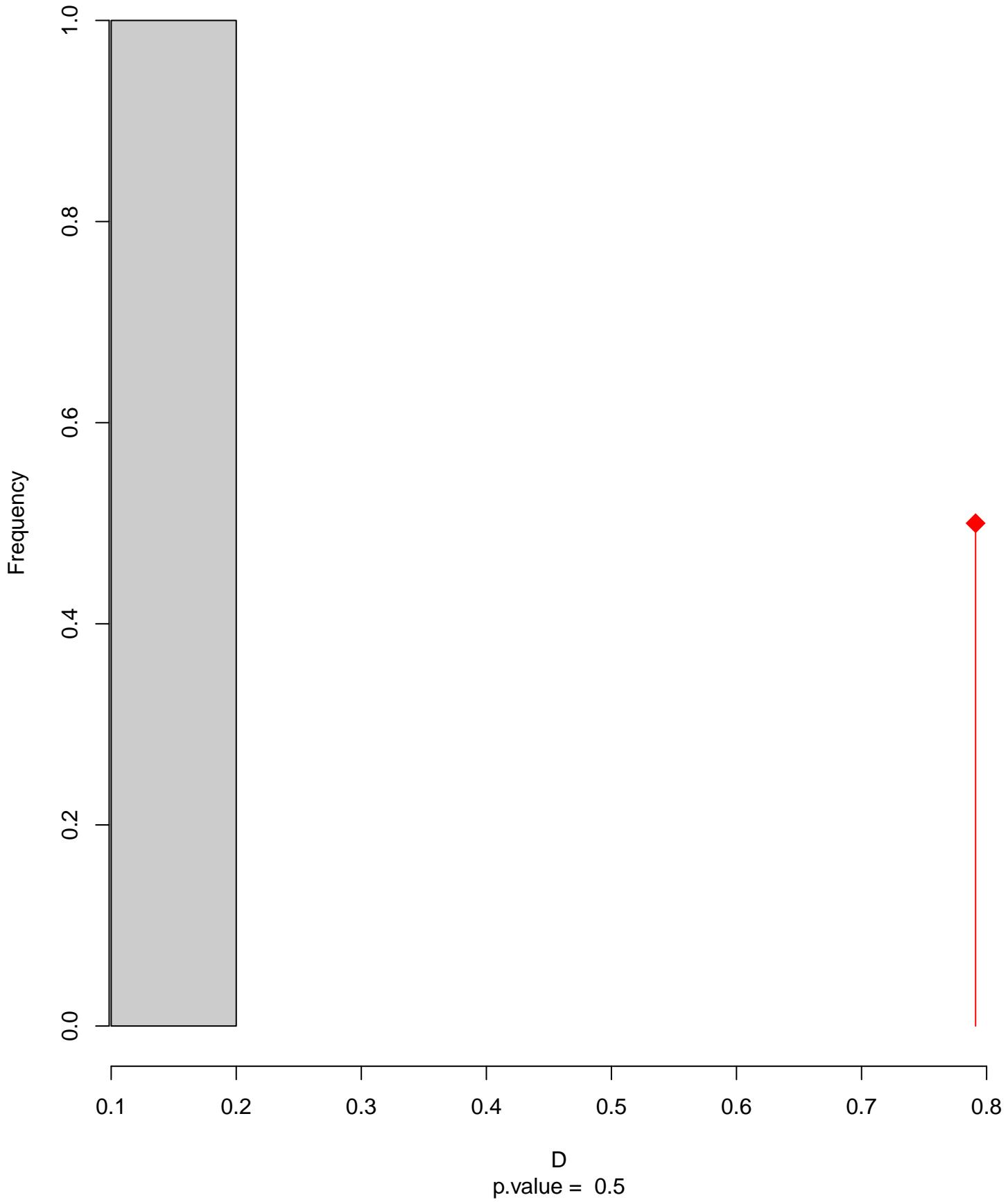


niche overlap:
 $D = 0.791$

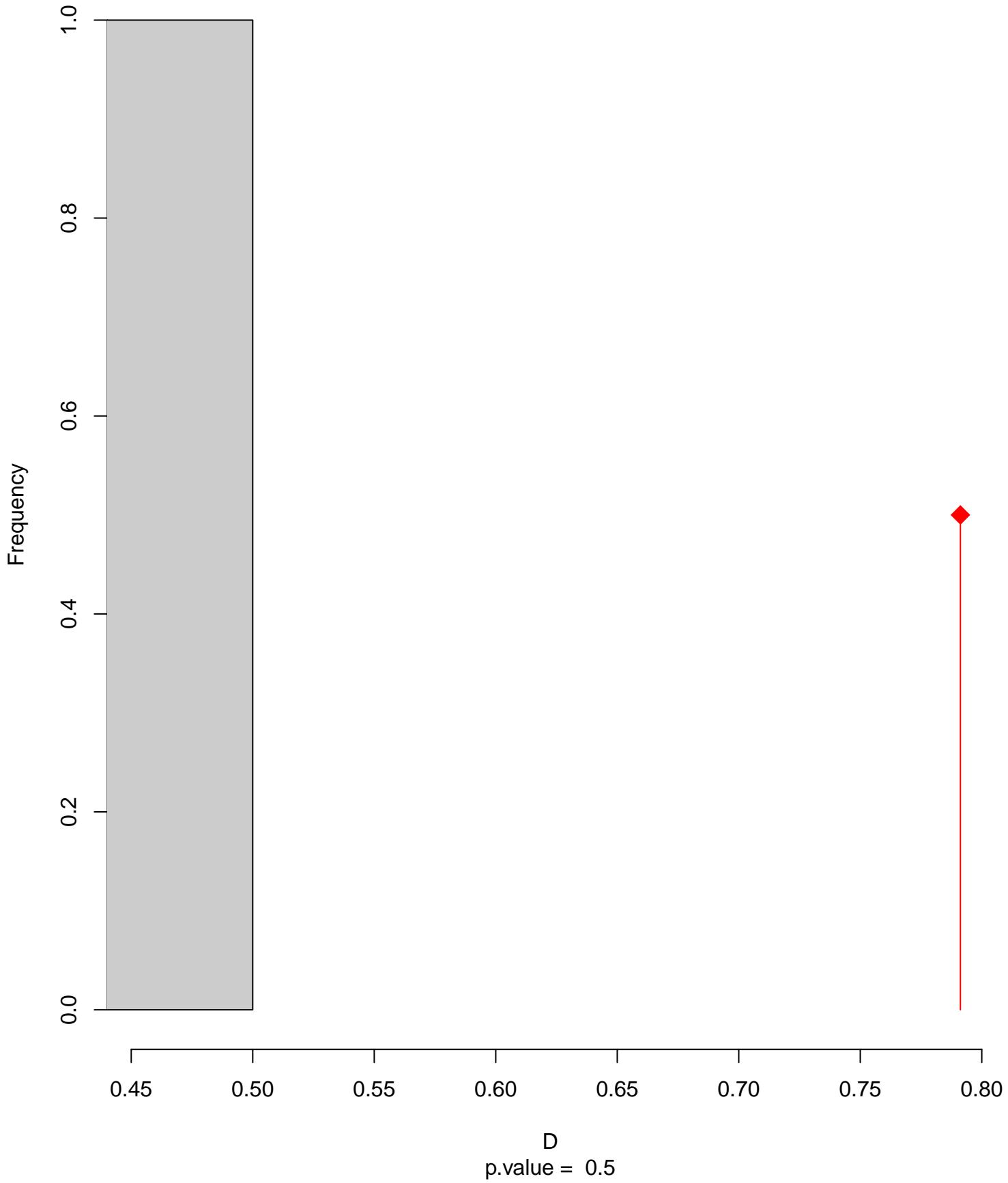
Equivalency



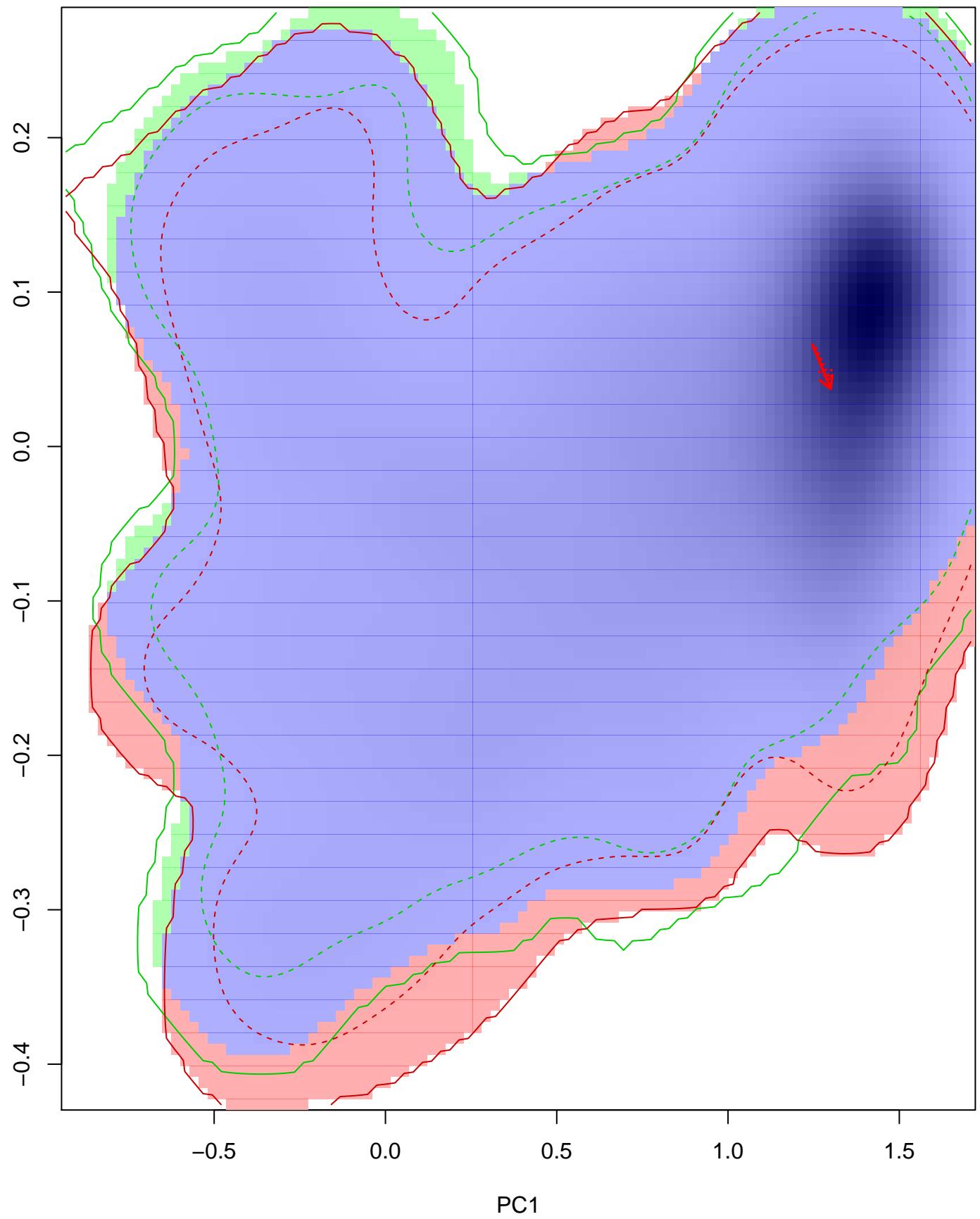
Similarity 2->1



Similarity 1→2

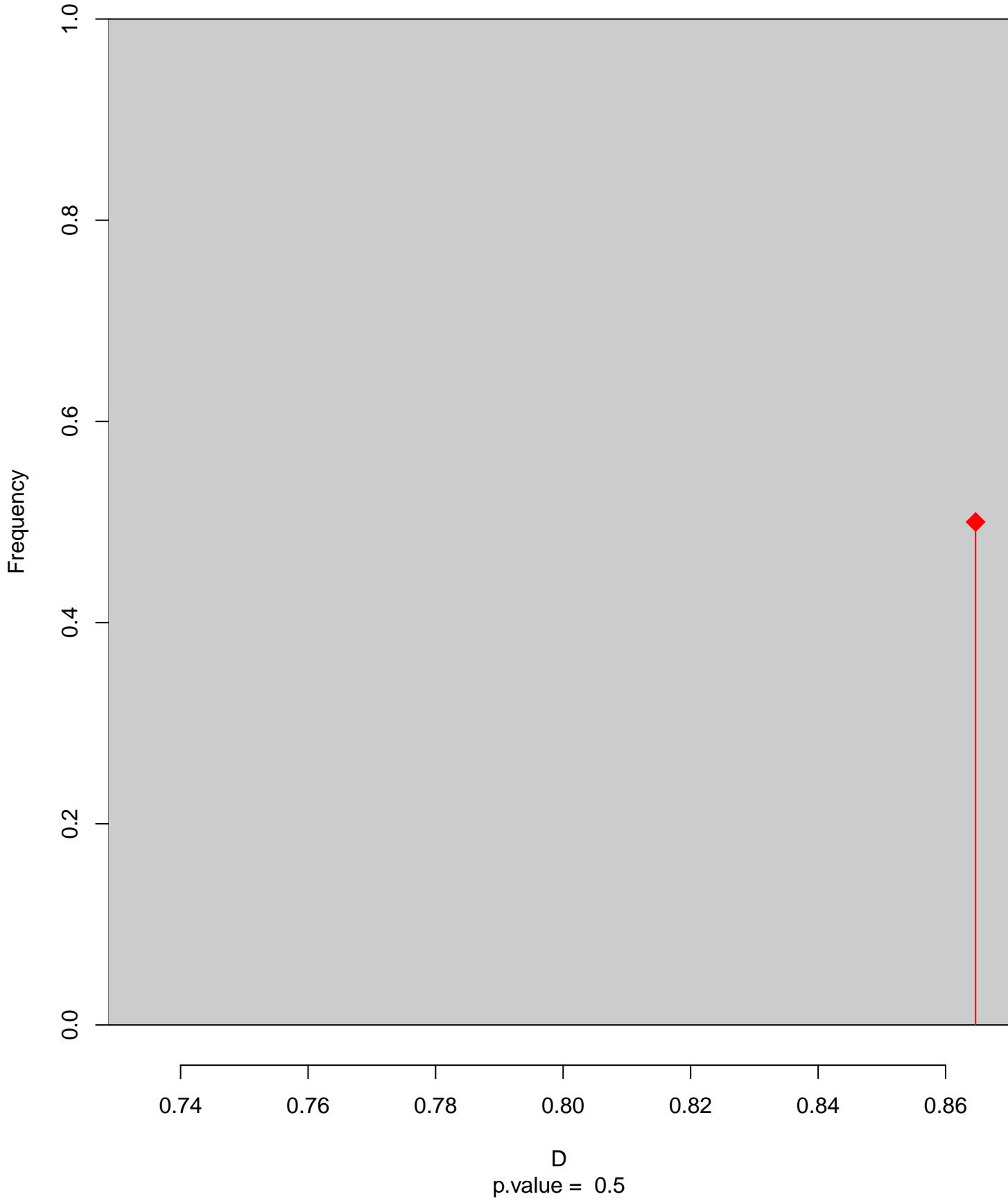


Notiochelidon cyanoleuca seasonal overlap-hypo.br

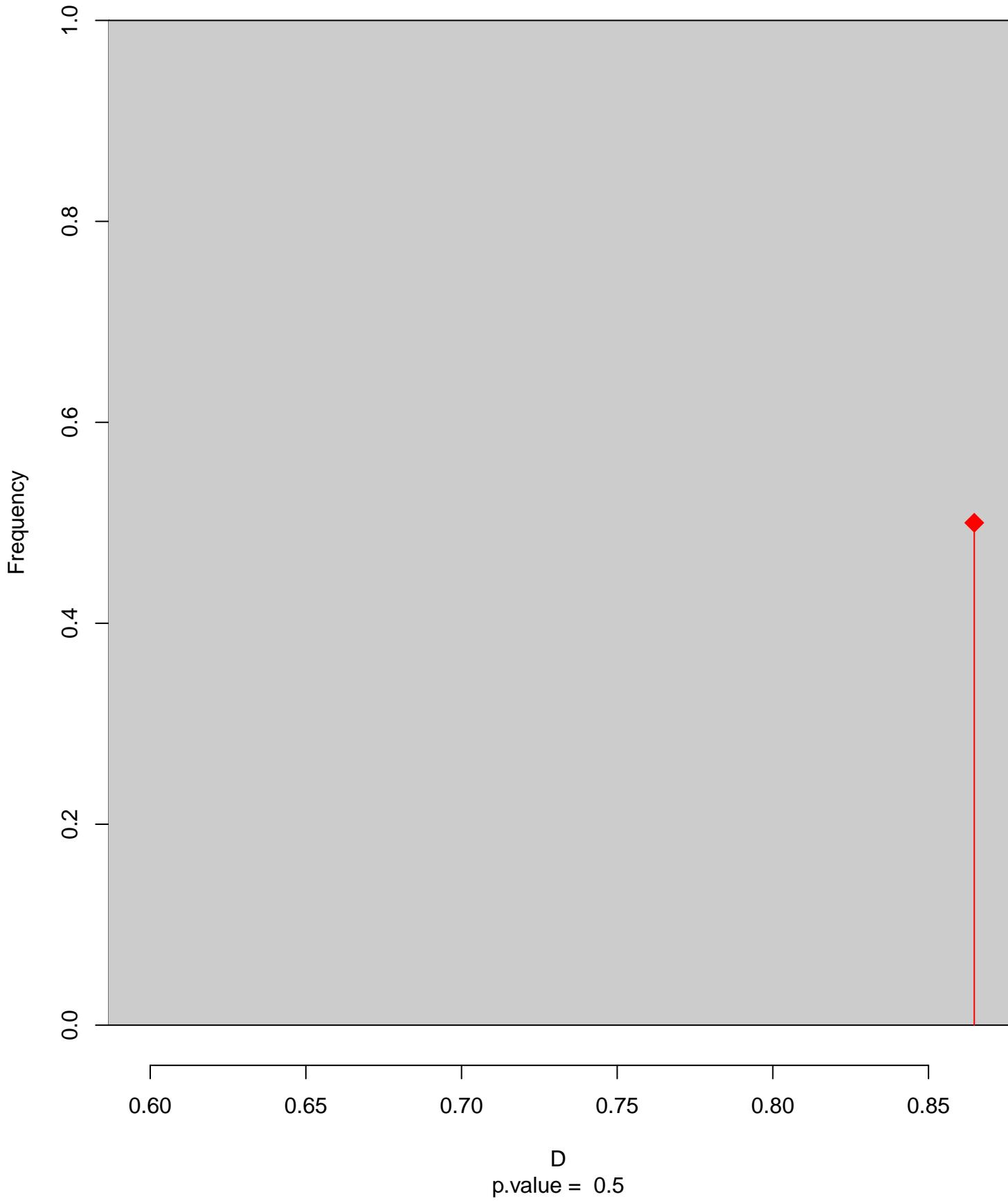


niche overlap:
 $D = 0.865$

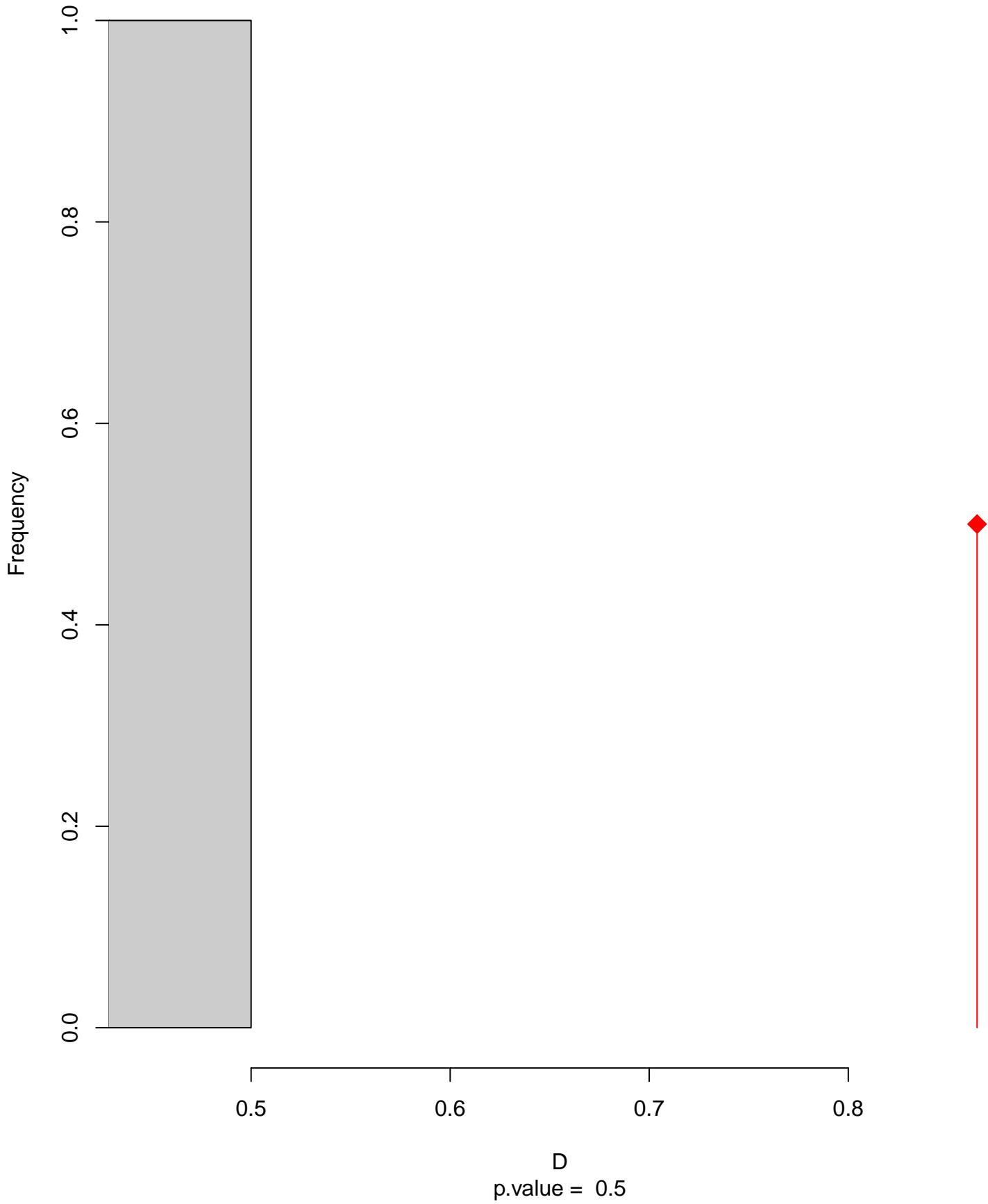
Equivalency



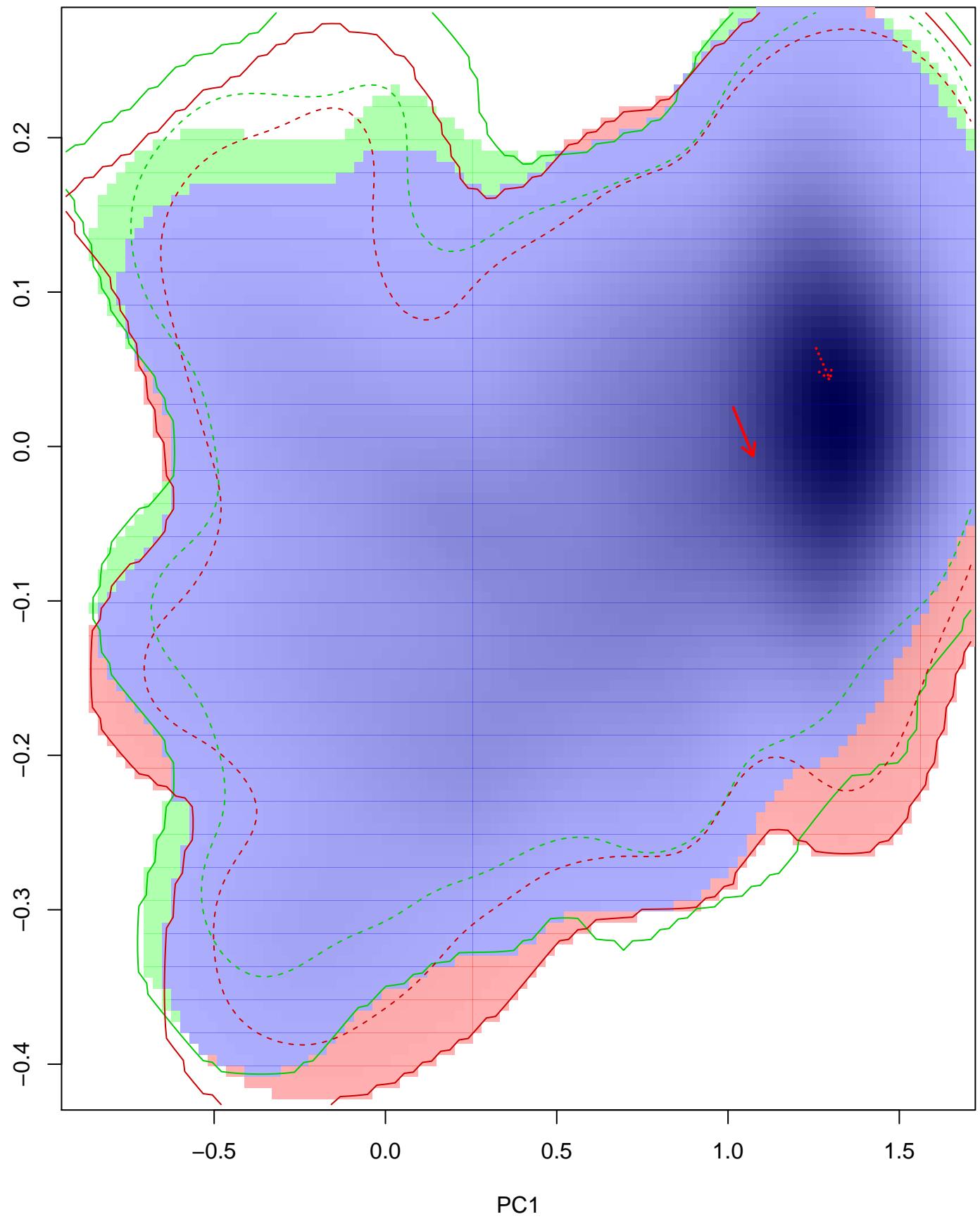
Similarity 2->1



Similarity 1→2

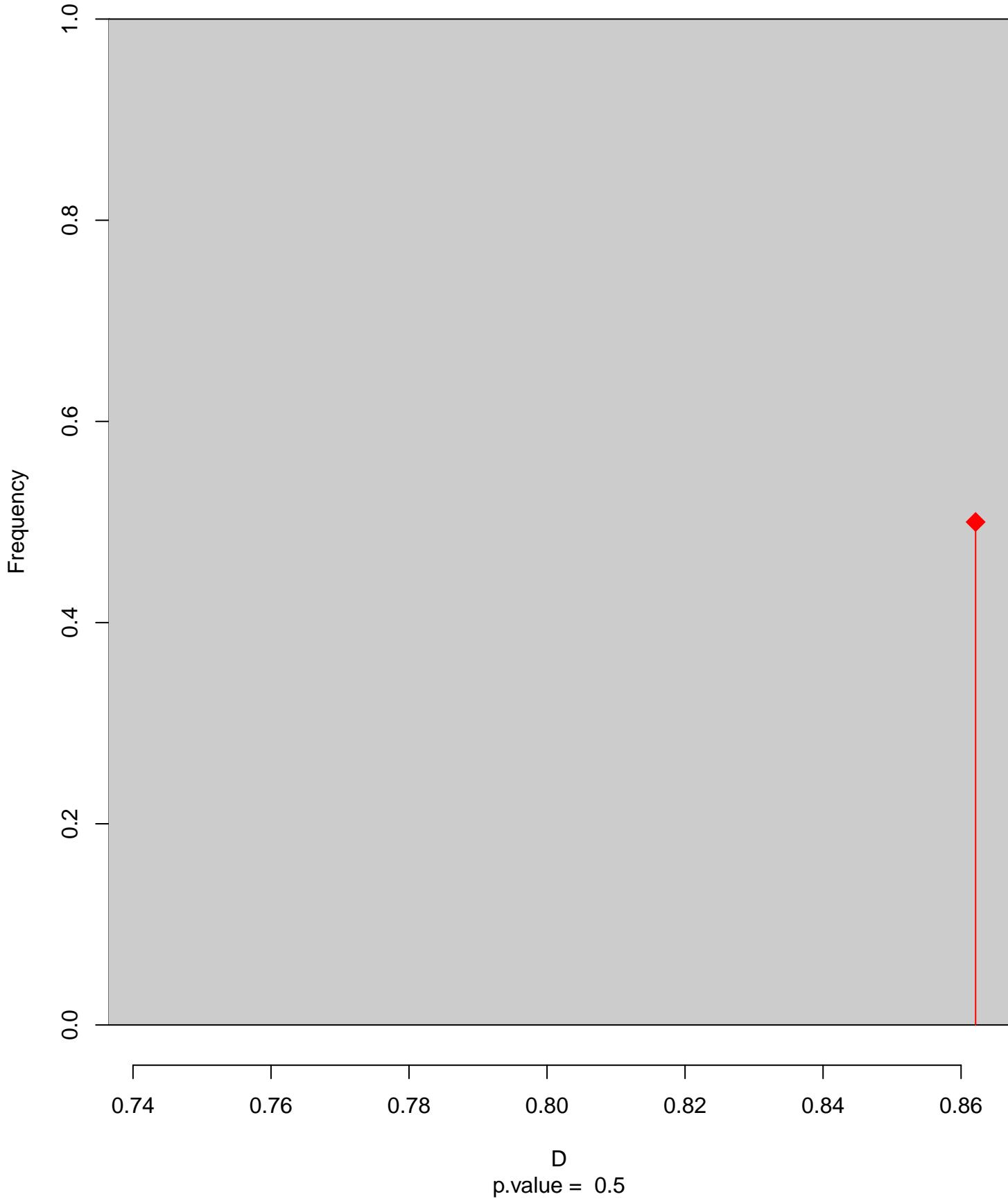


Notiochelidon_cyanoleuca seasonal overlap-hypo wi

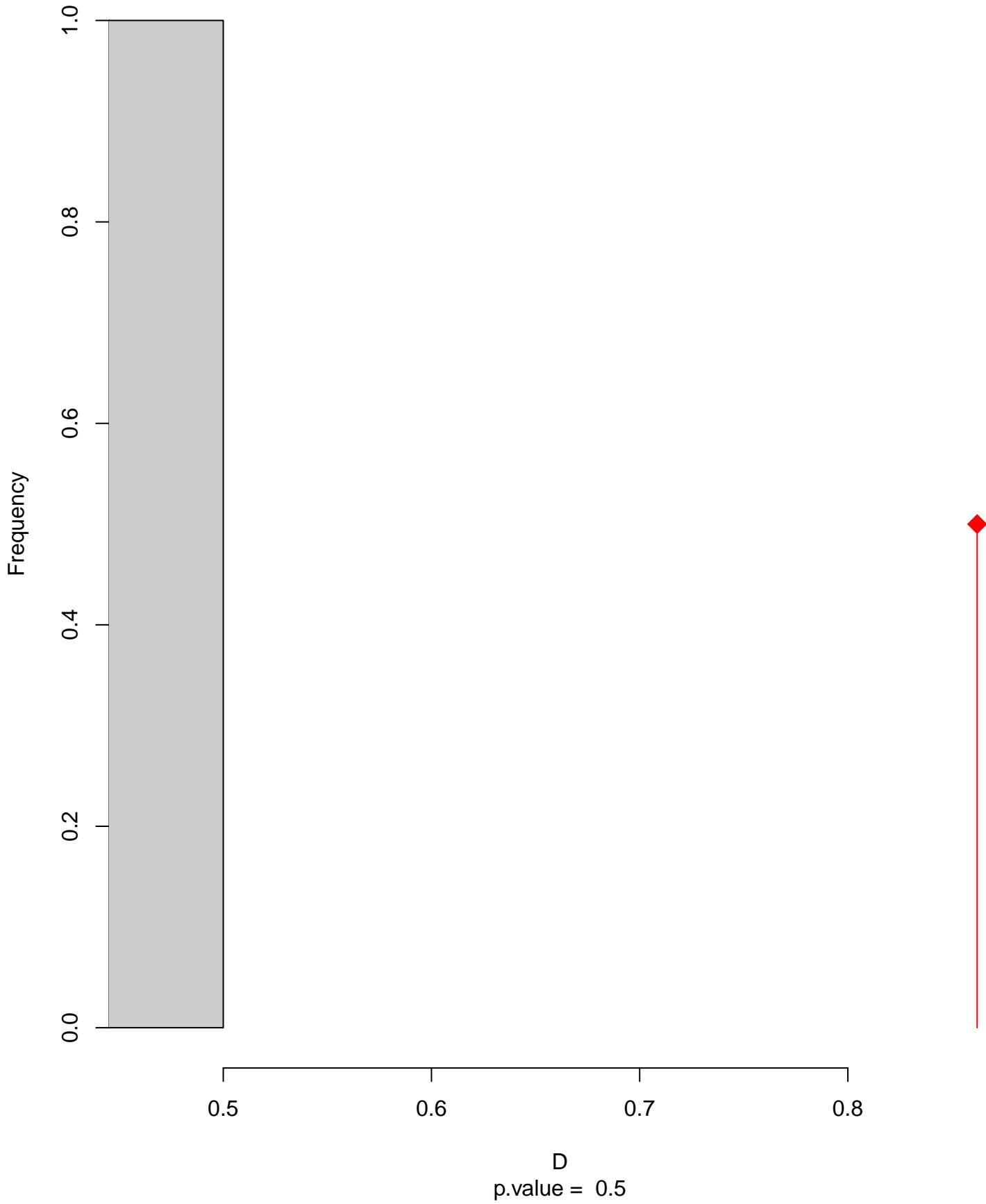


niche overlap:
 $D = 0.862$

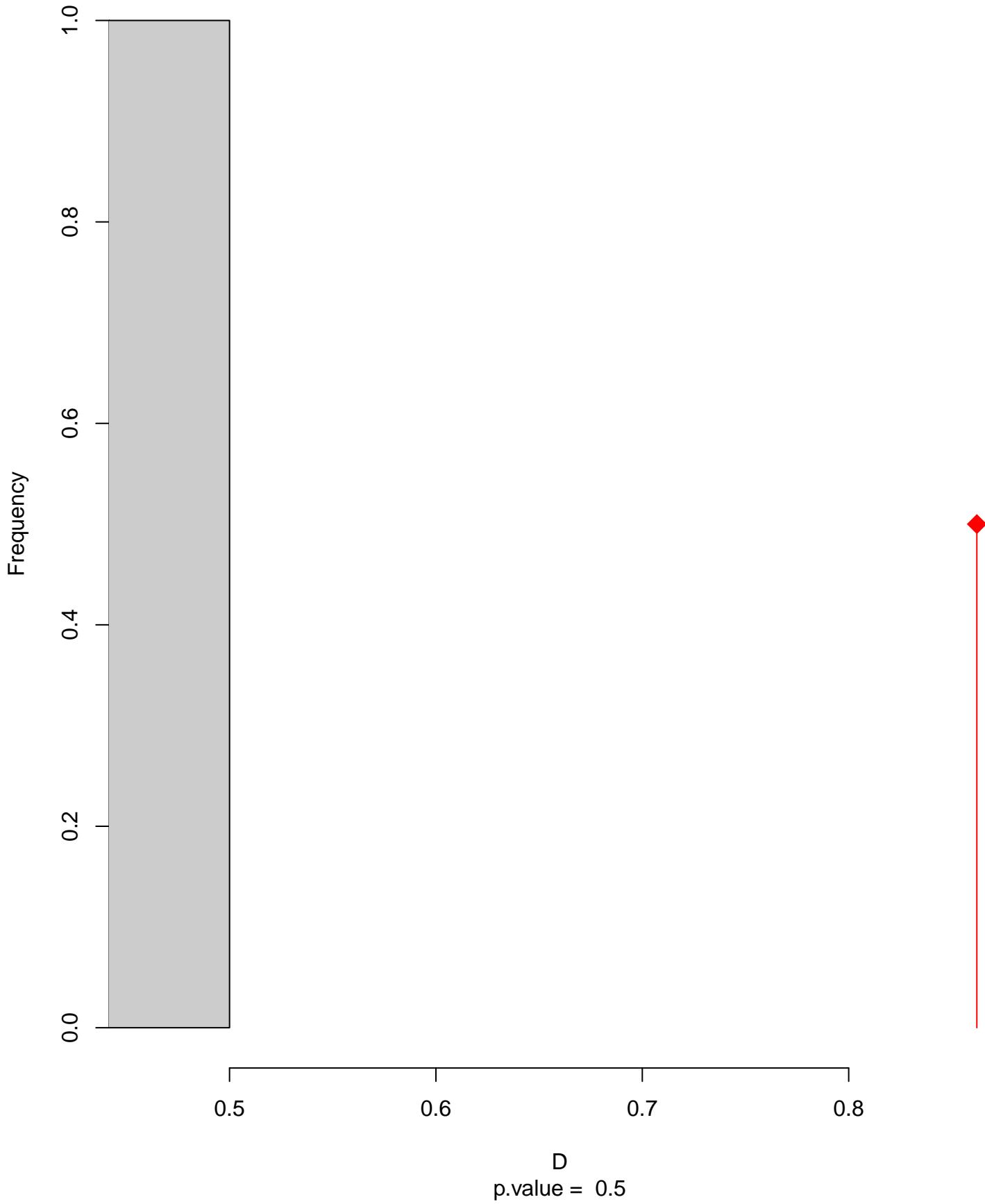
Equivalency



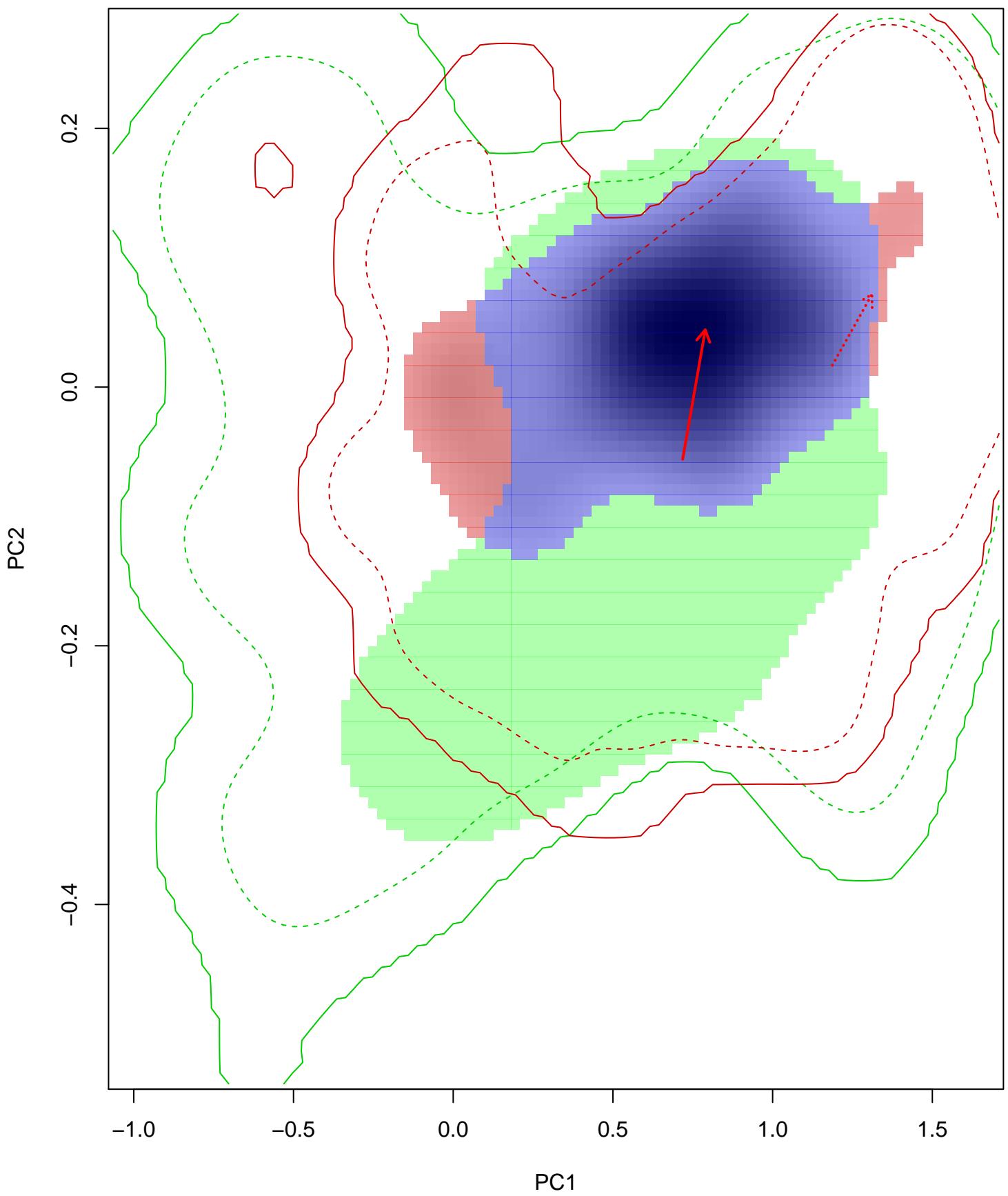
Similarity 2->1



Similarity 1→2

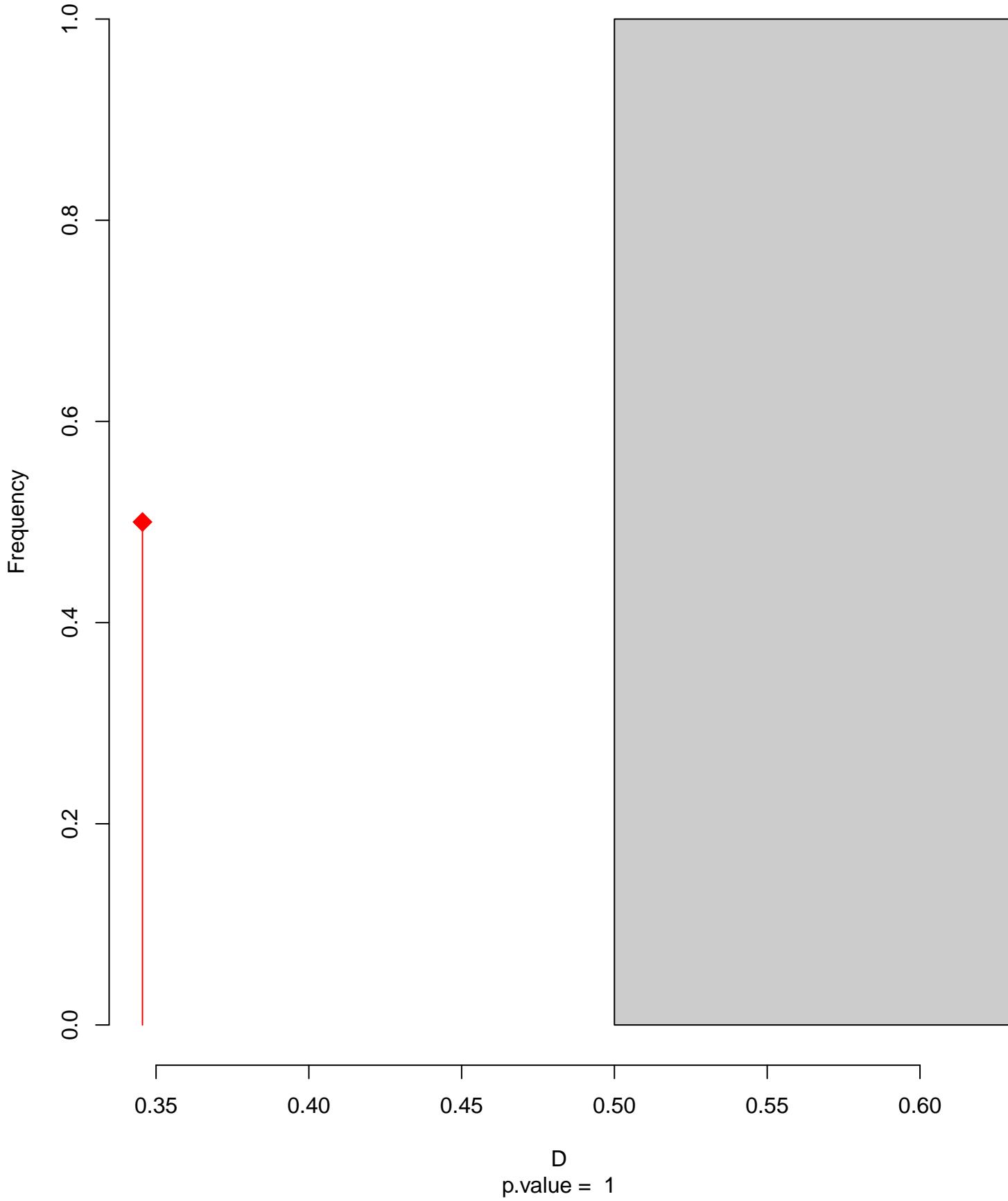


Notiochelidon_flavipes seasonal overlap

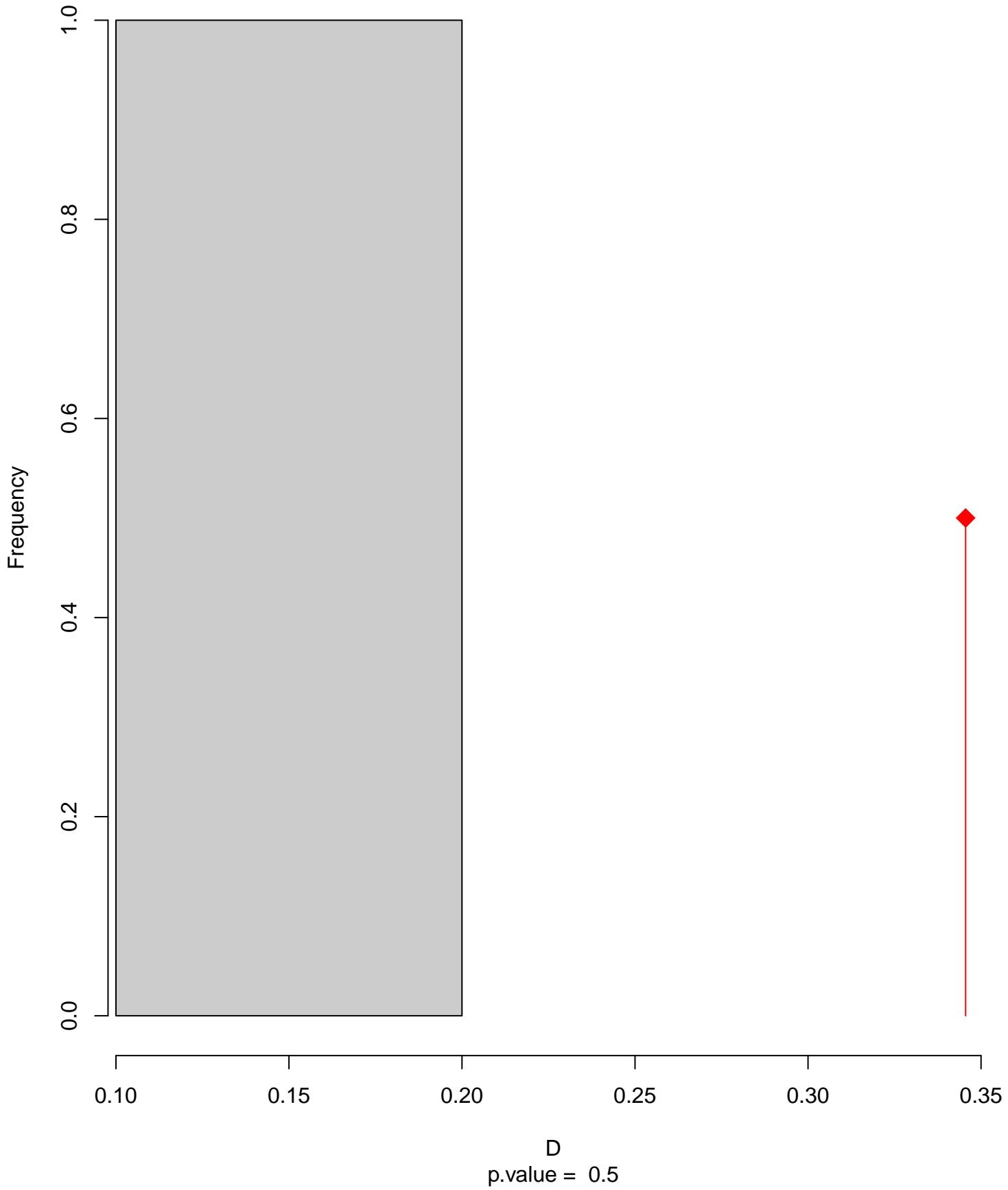


niche overlap:
 $D = 0.346$

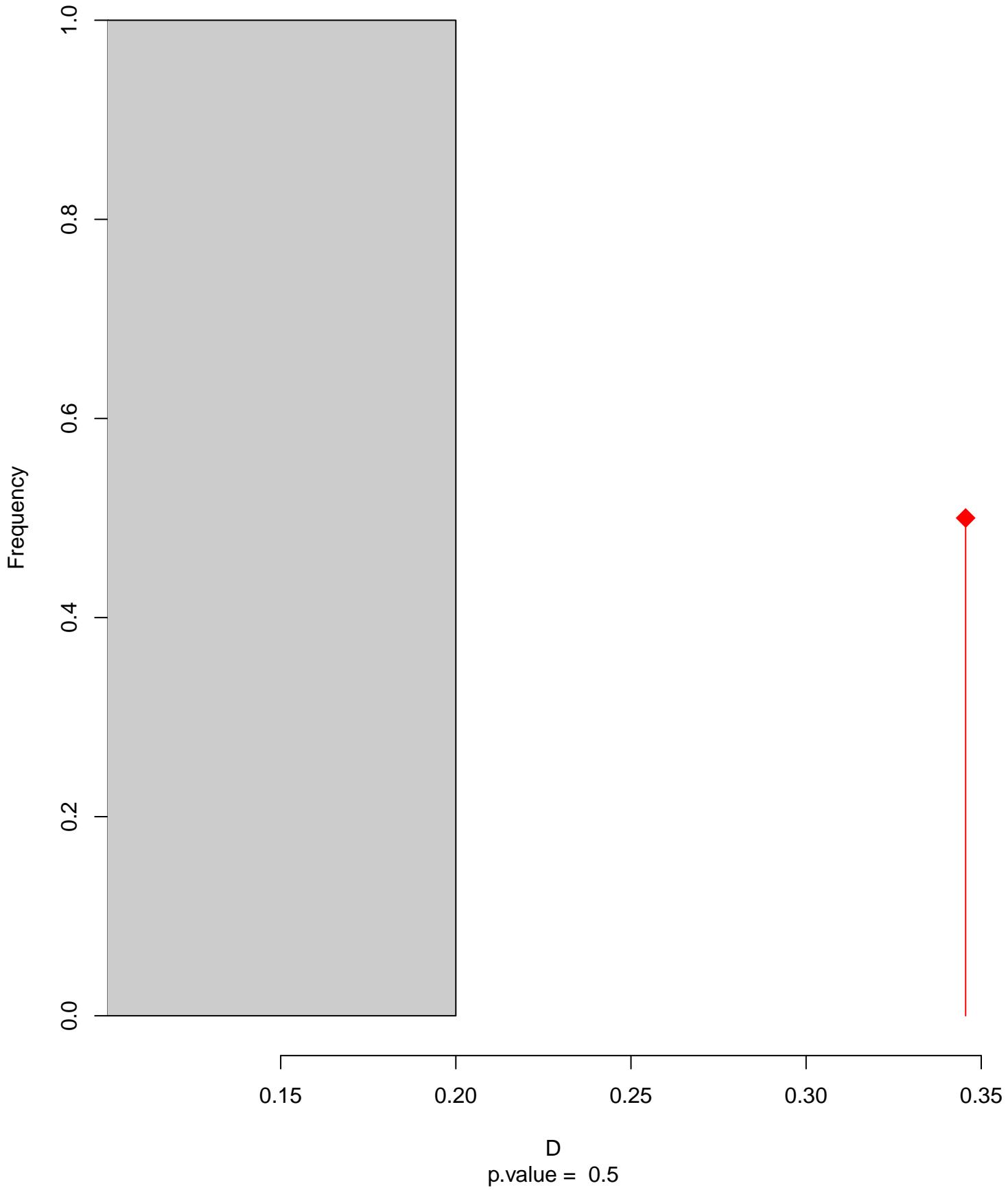
Equivalency



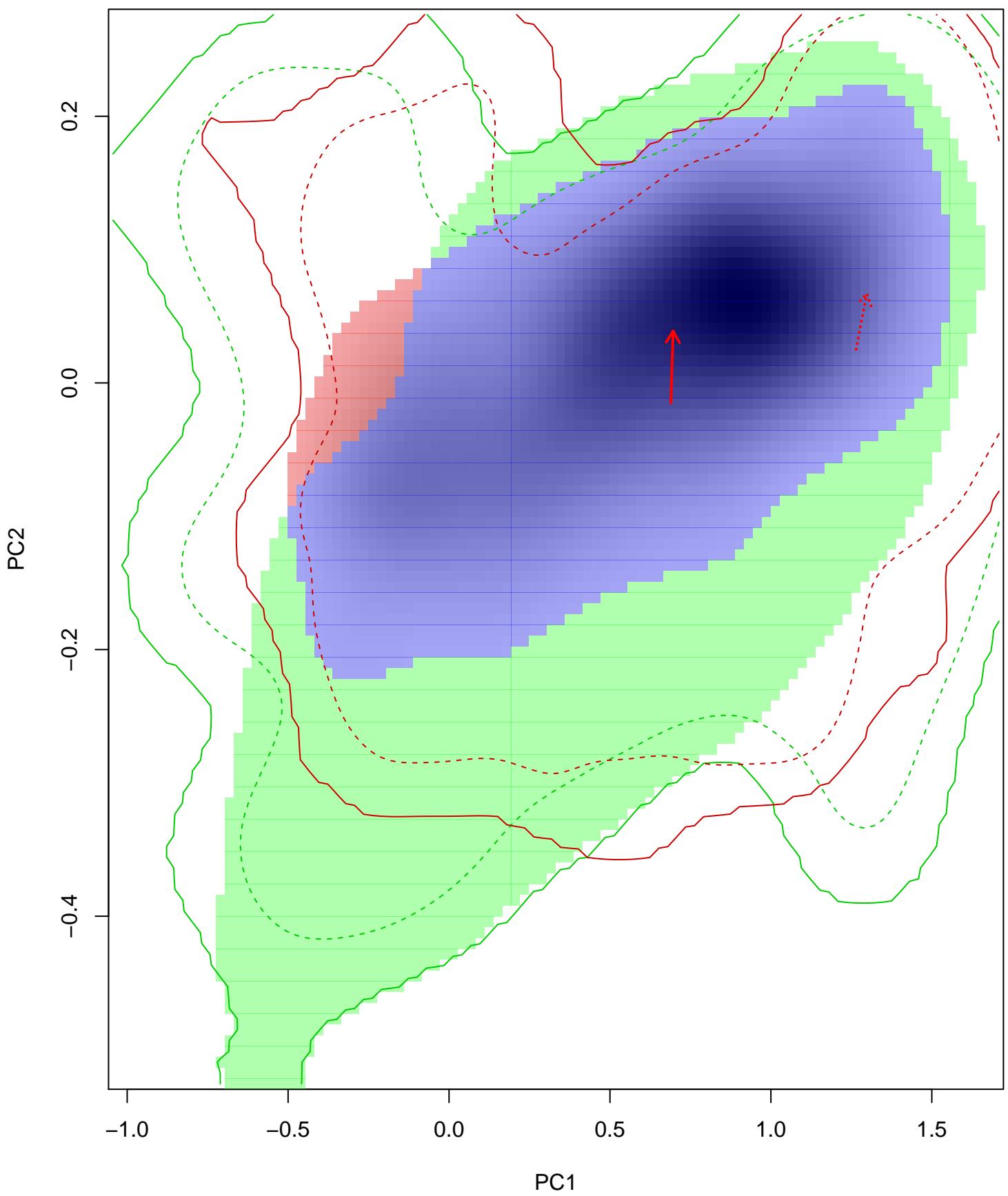
Similarity 2->1



Similarity 1→2

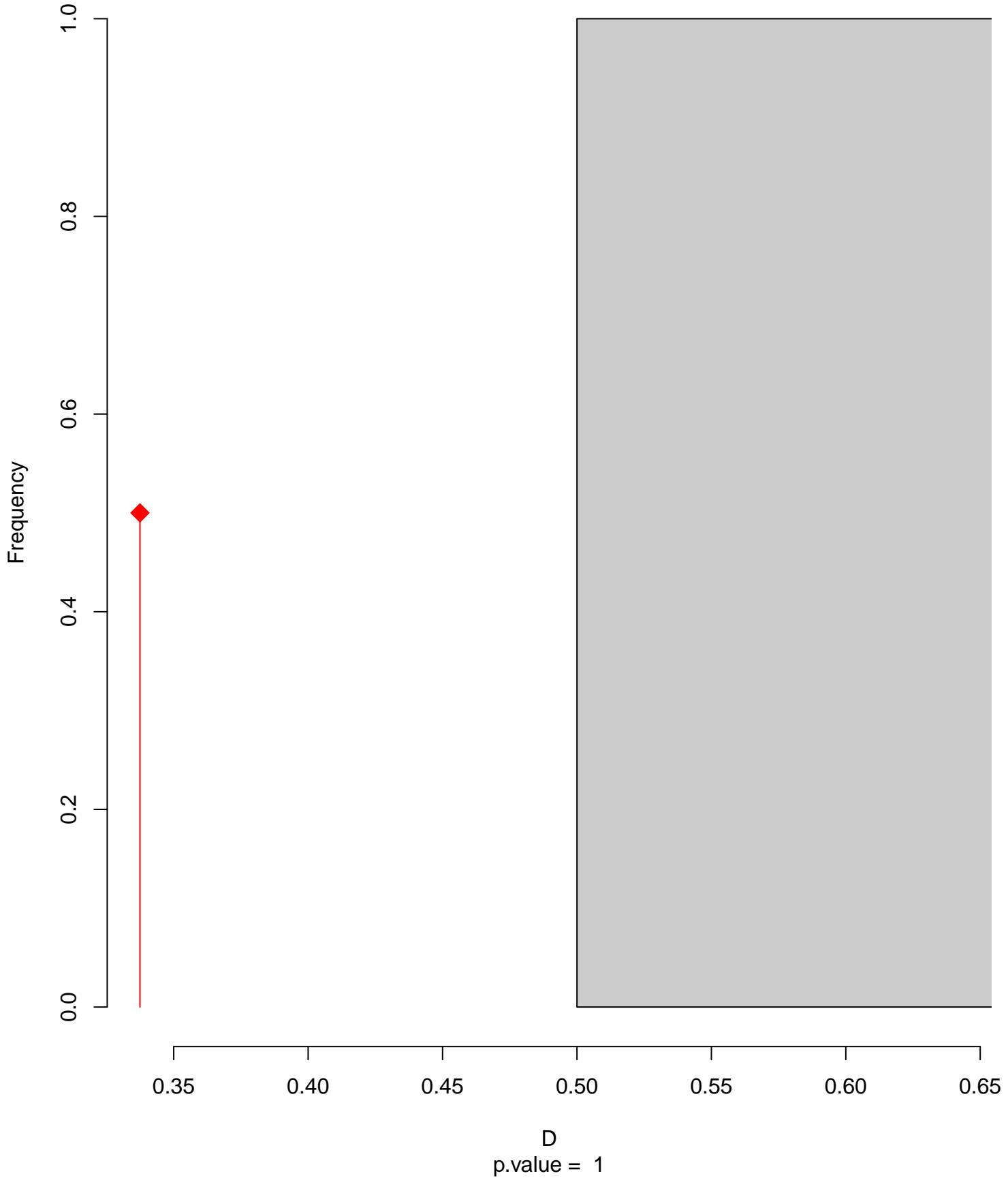


Notiochelidon_murina seasonal overlap

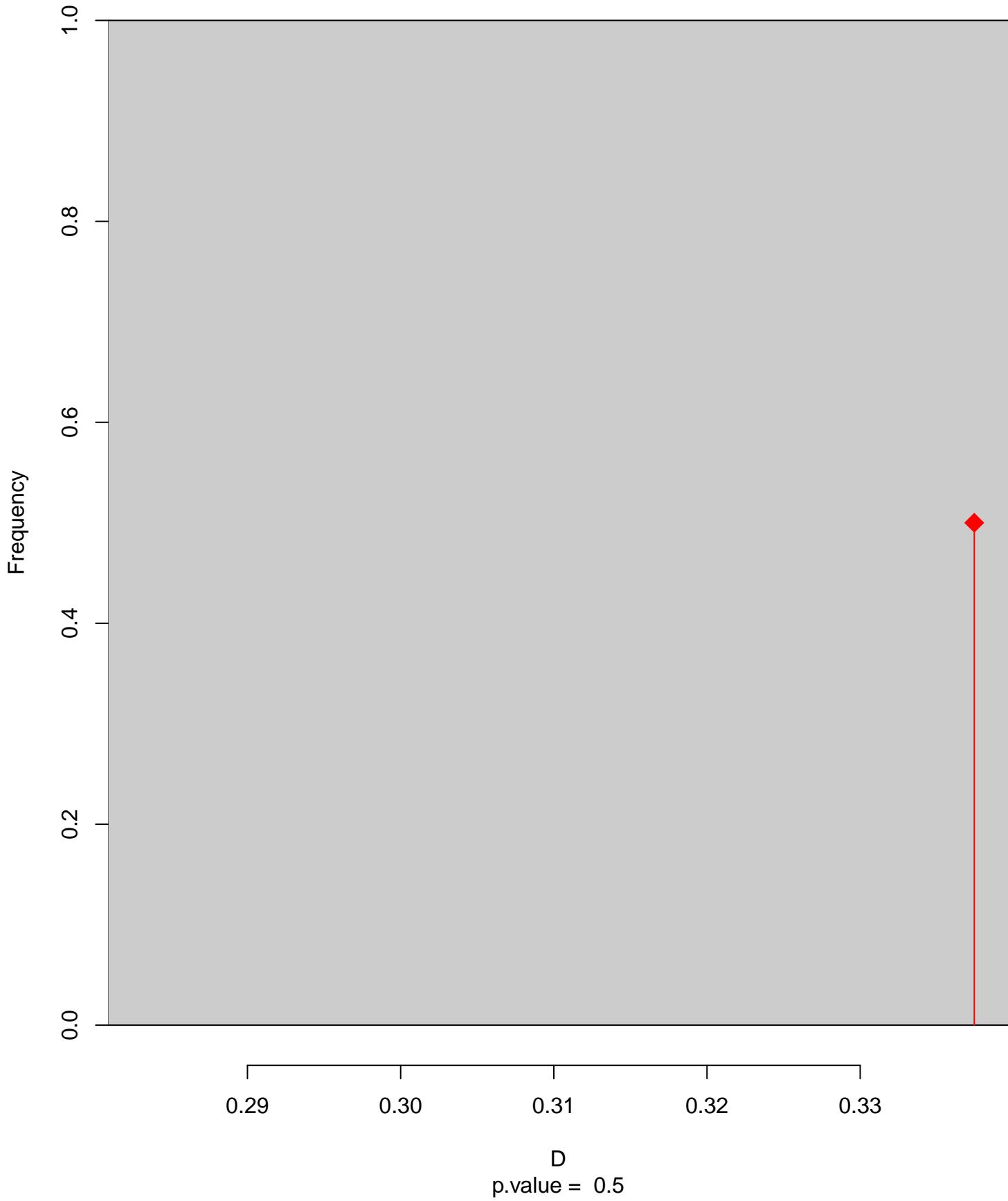


niche overlap:
 $D = 0.337$

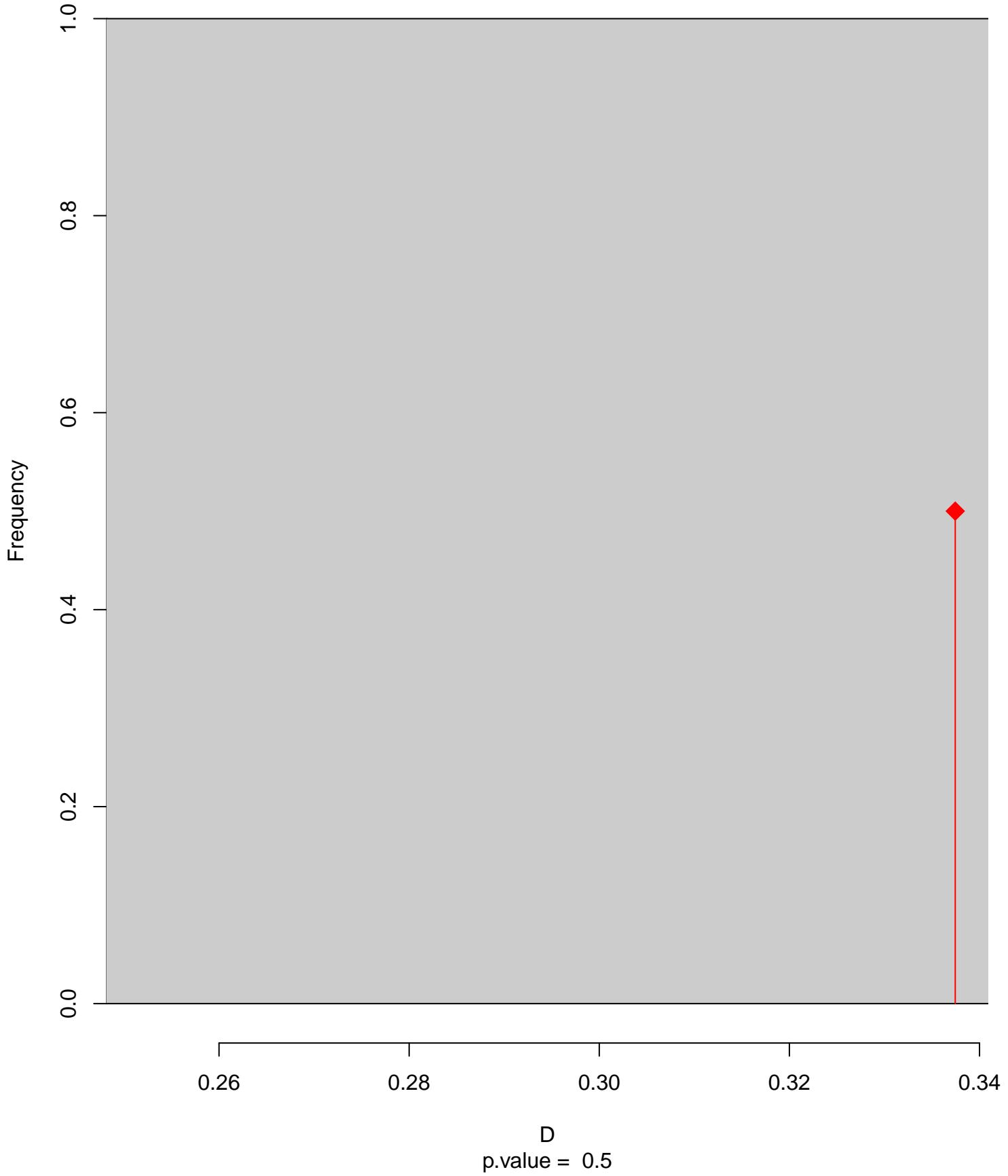
Equivalency



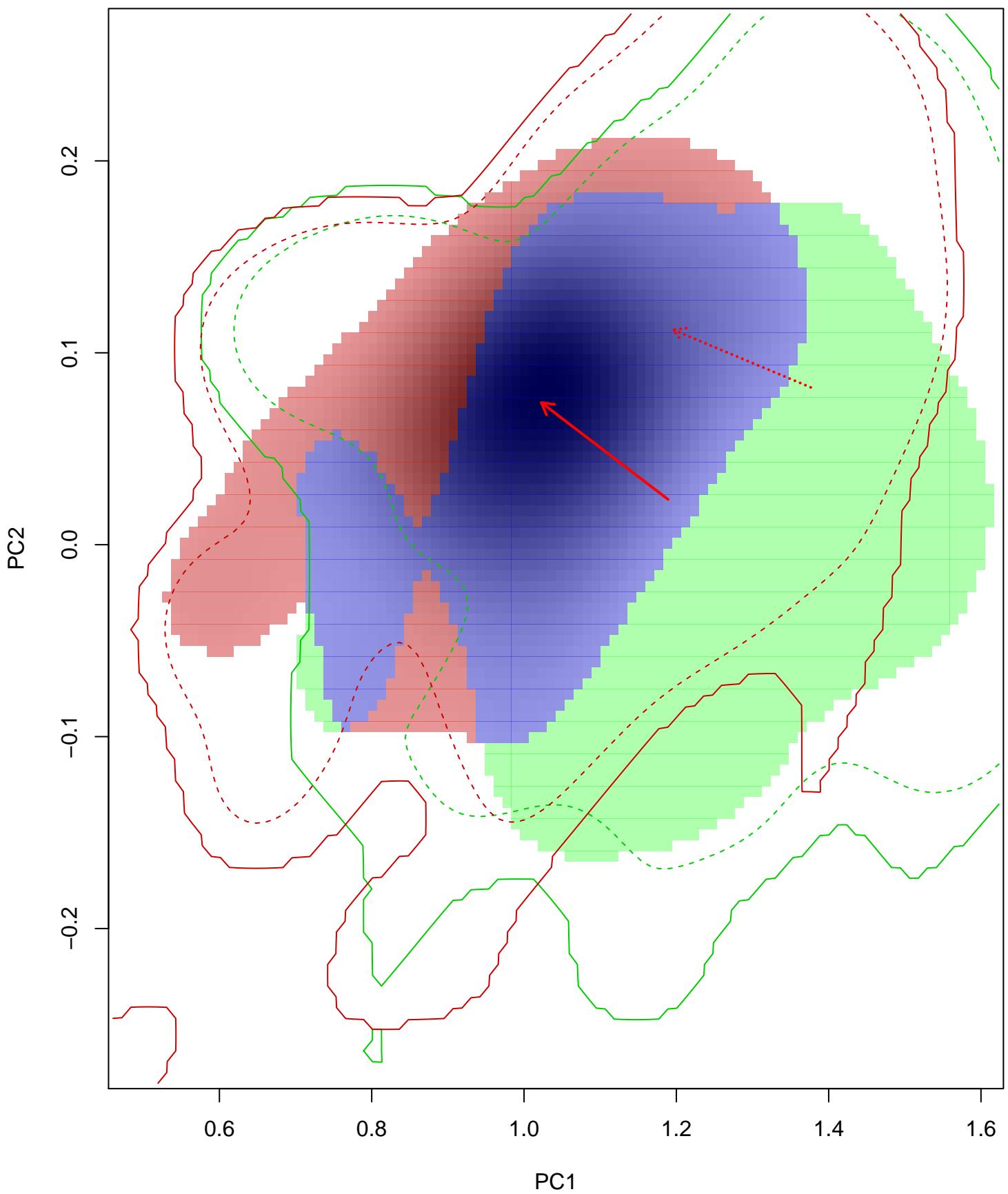
Similarity 2->1



Similarity 1→2

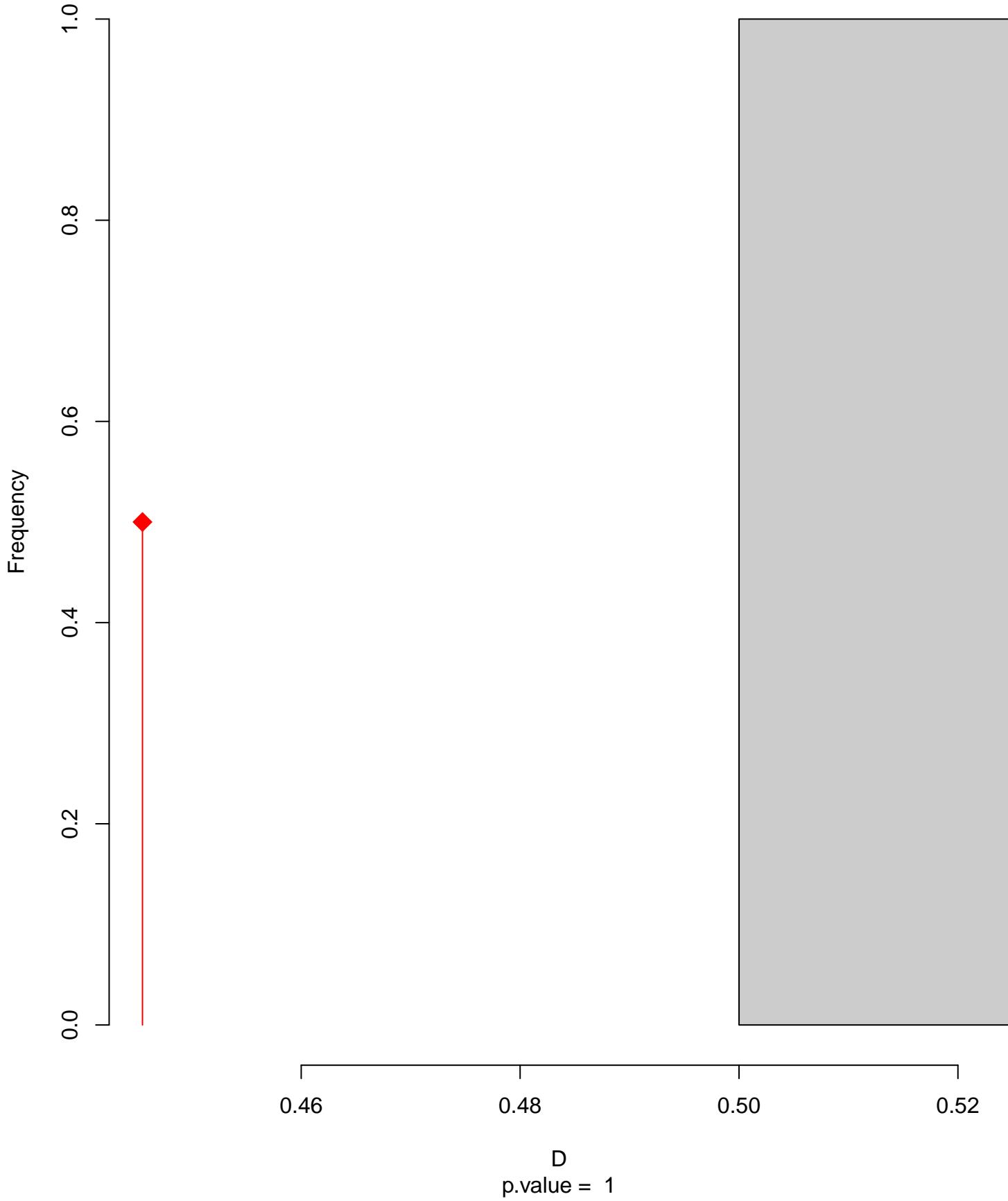


Notiochelidon_pileata seasonal overlap

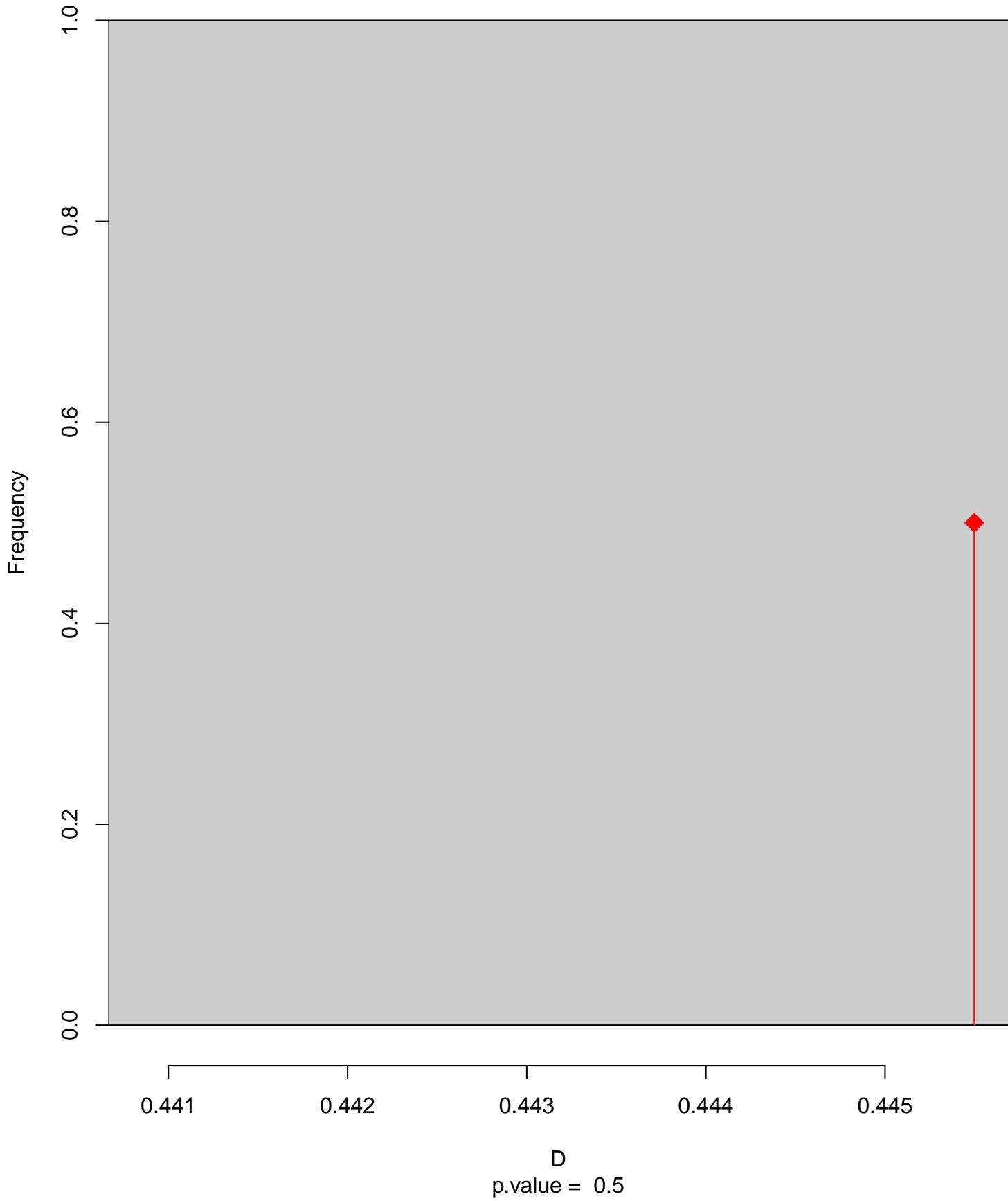


niche overlap:
 $D = 0.445$

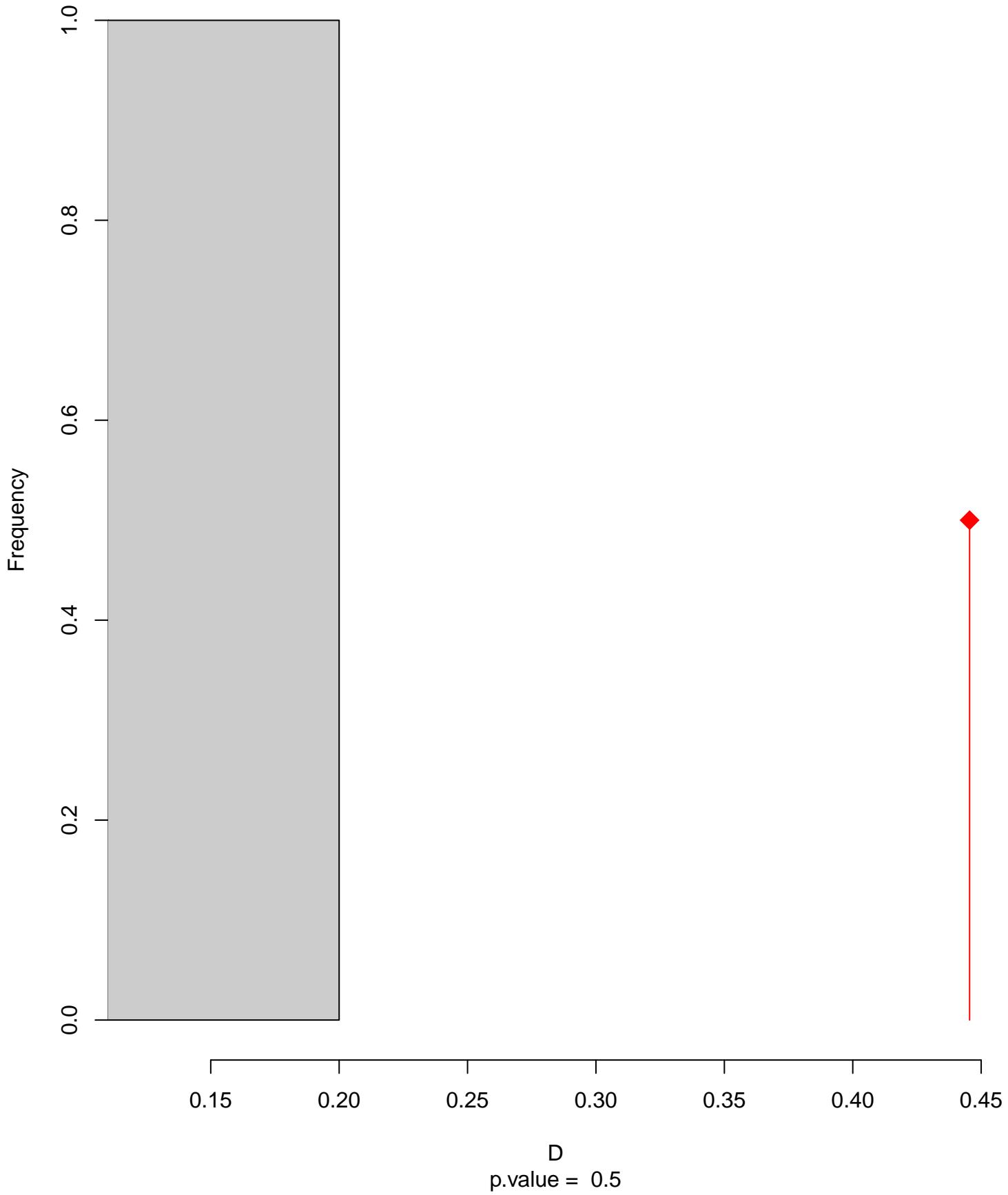
Equivalency



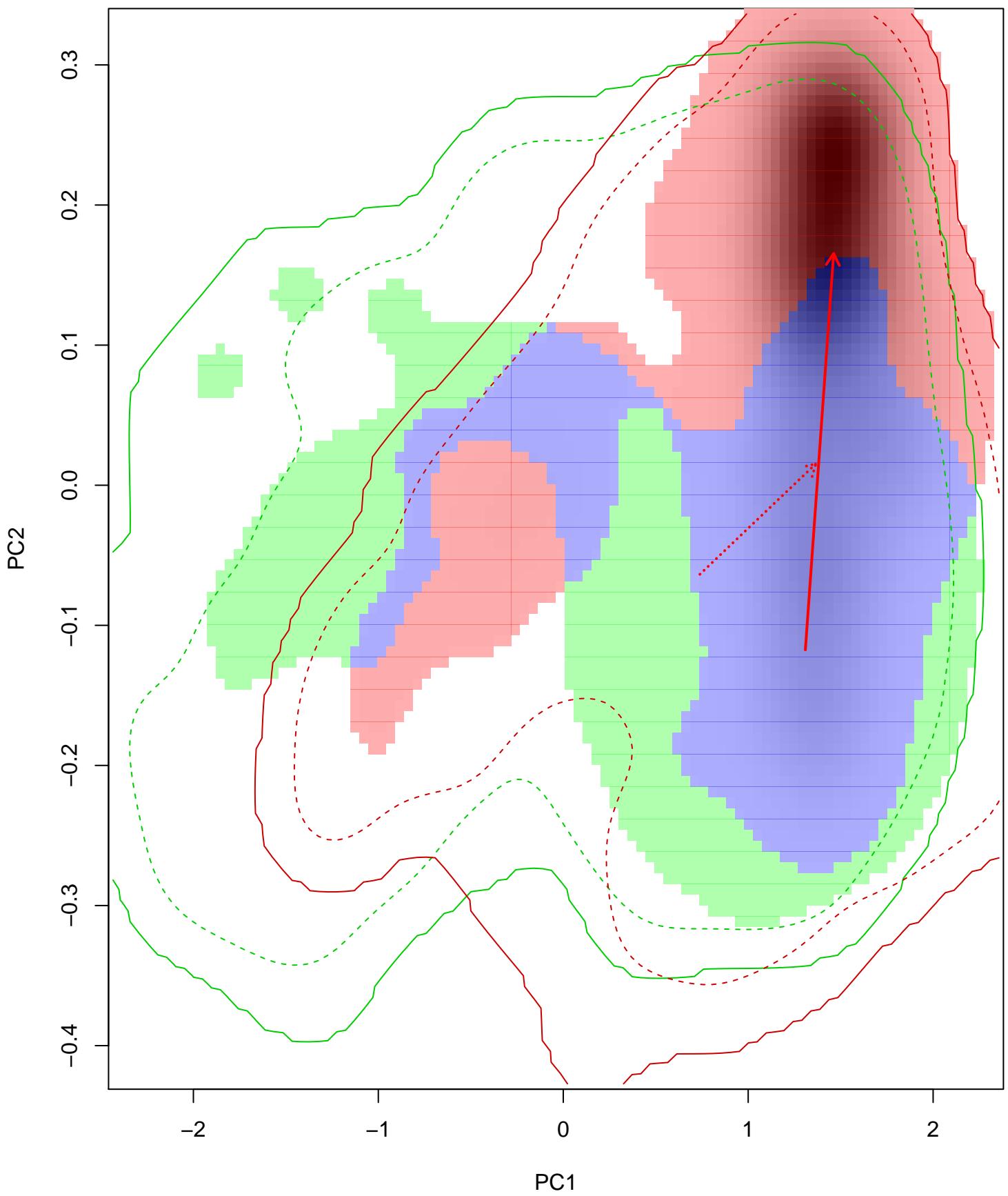
Similarity 2->1



Similarity 1→2

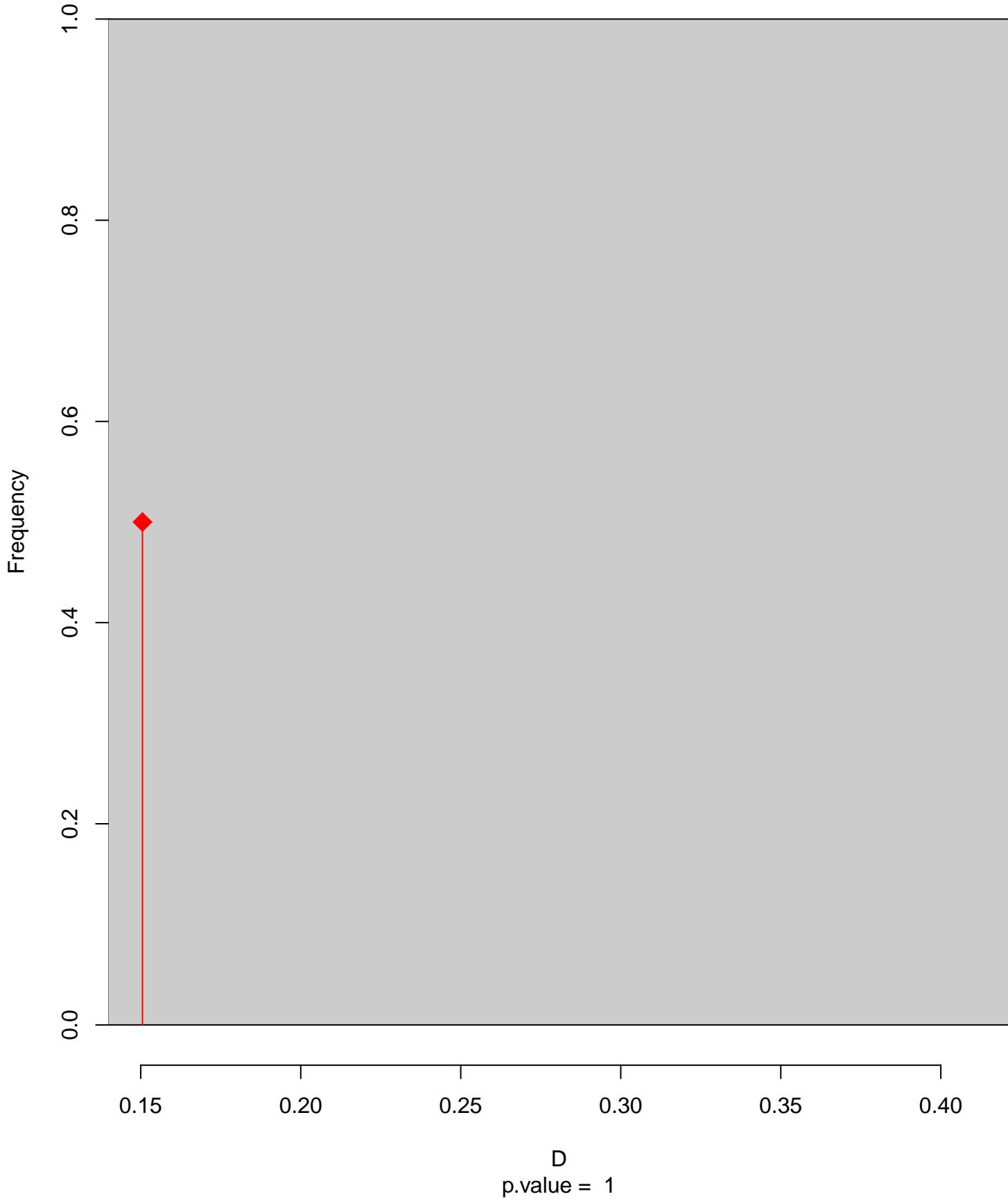


Petrochelidon_fluvicola seasonal overlap

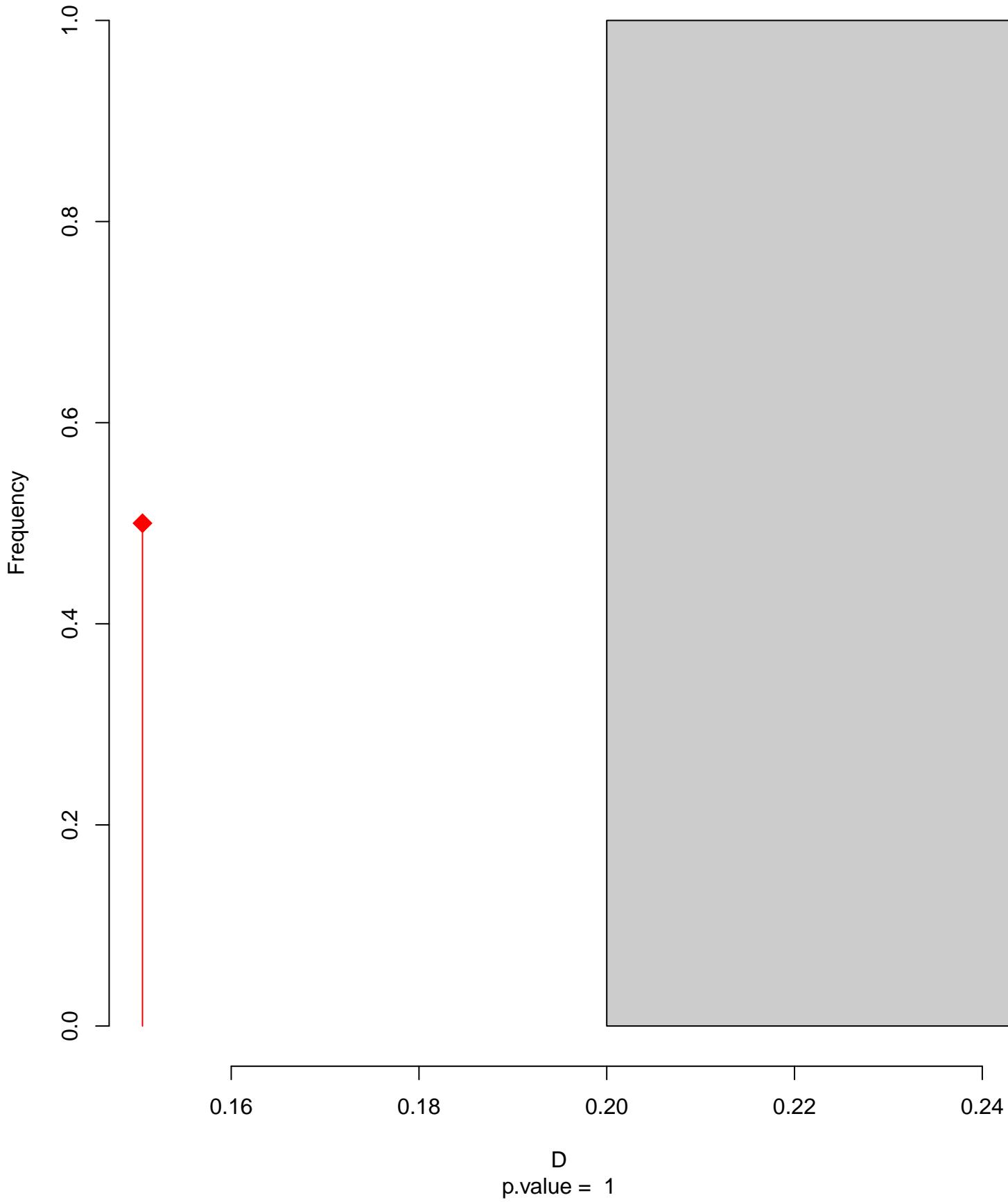


niche overlap:
 $D = 0.151$

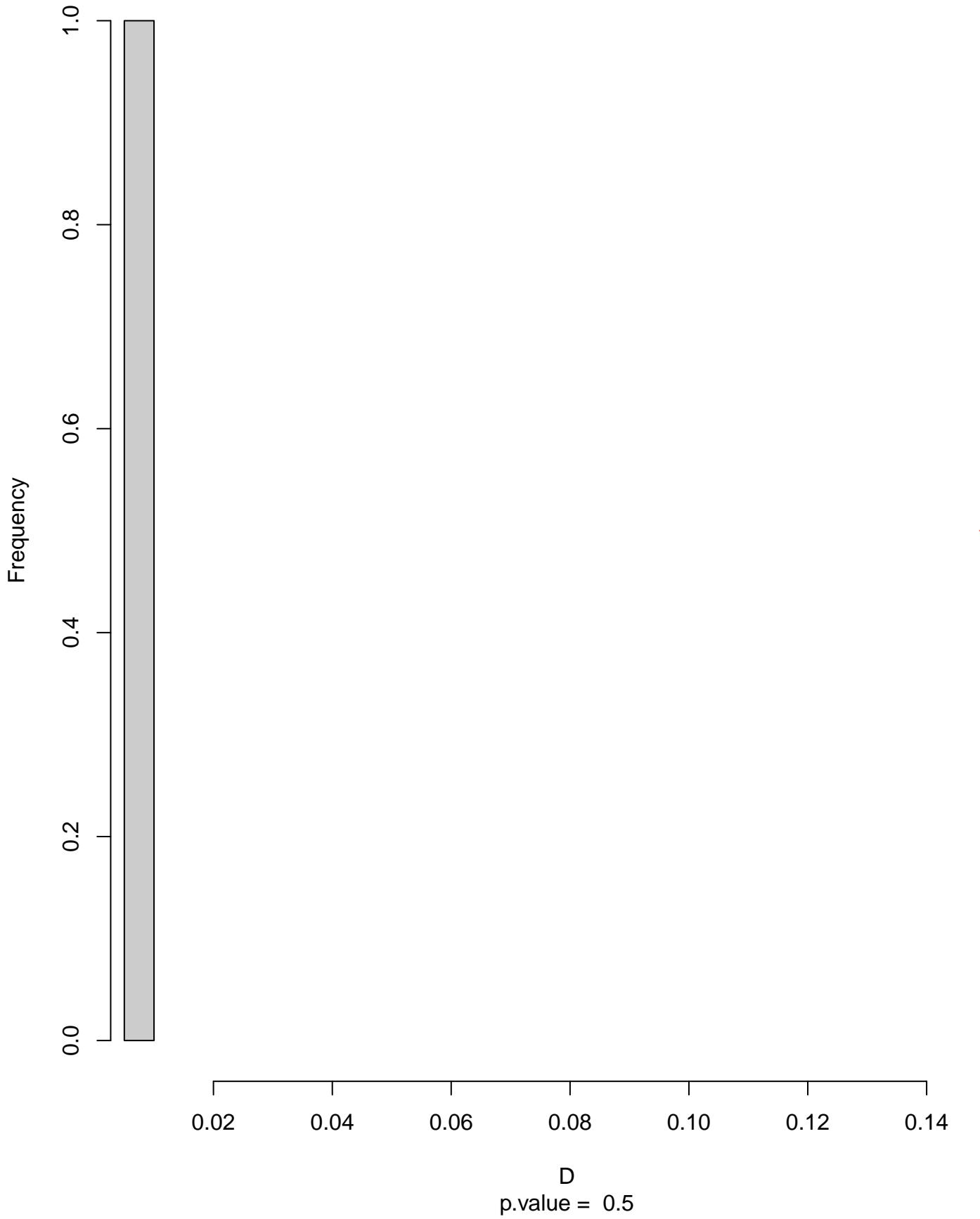
Equivalency



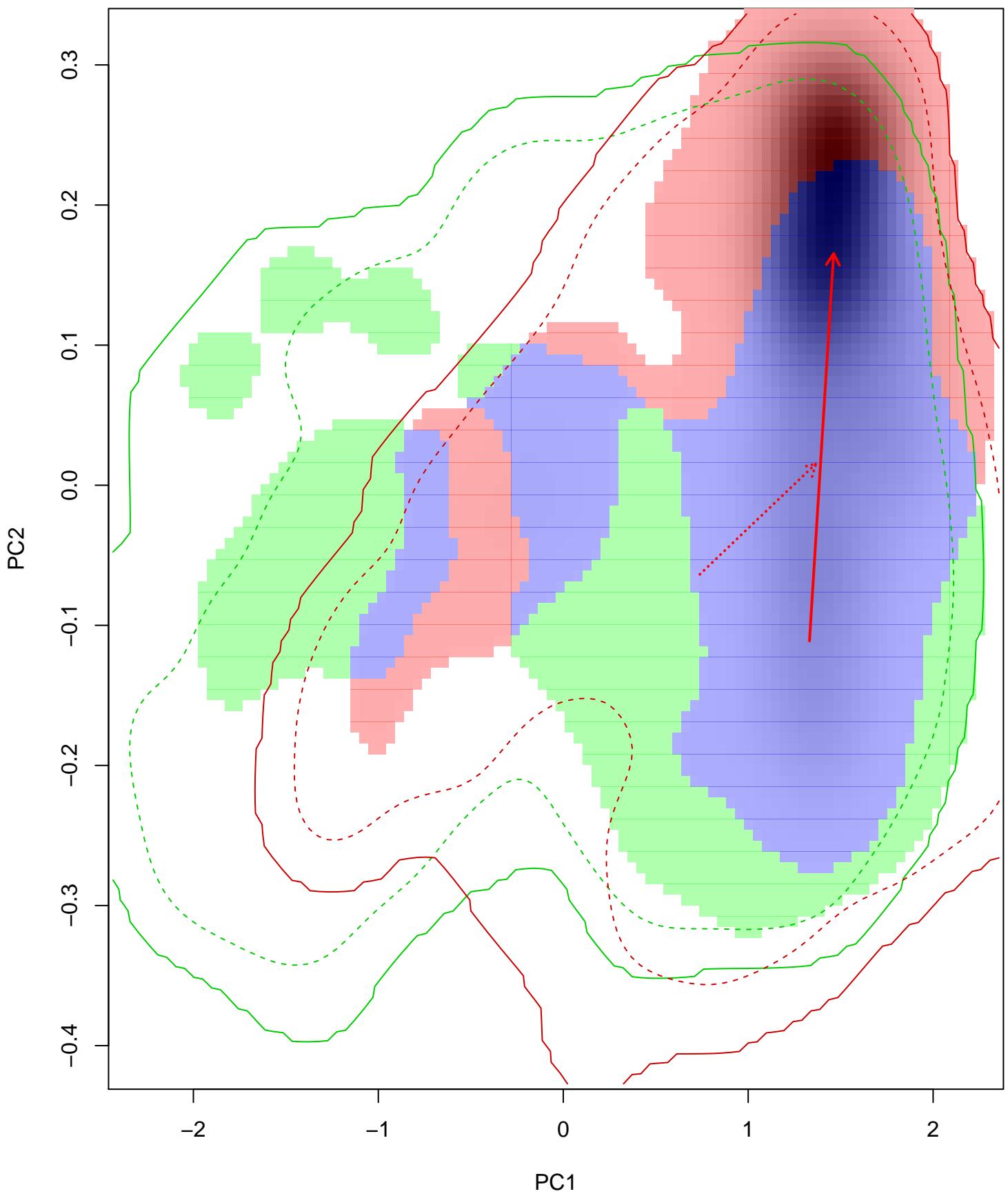
Similarity 2->1



Similarity 1→2

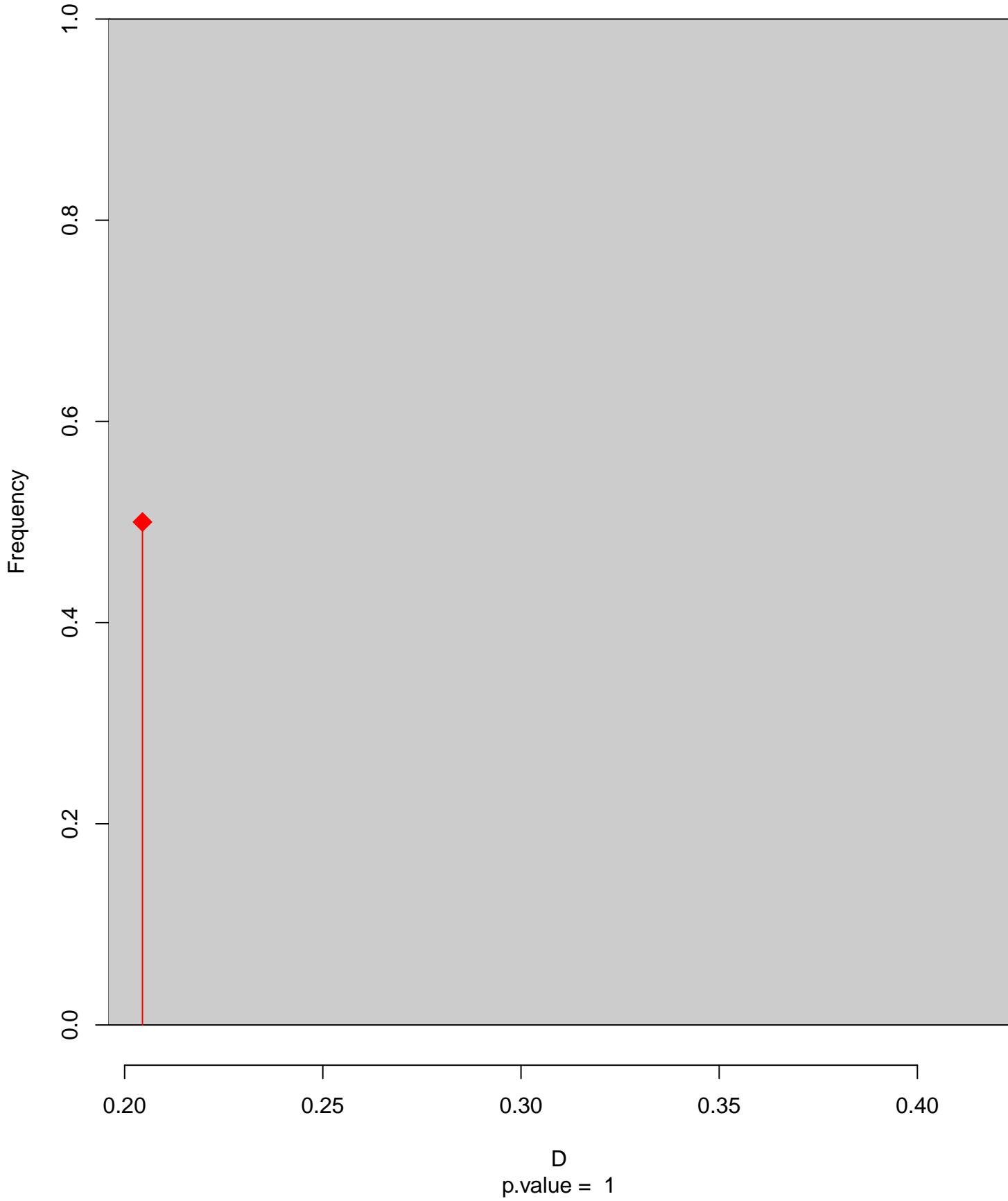


Petrochelidon_fluvicola seasonal overlap-hypo.br

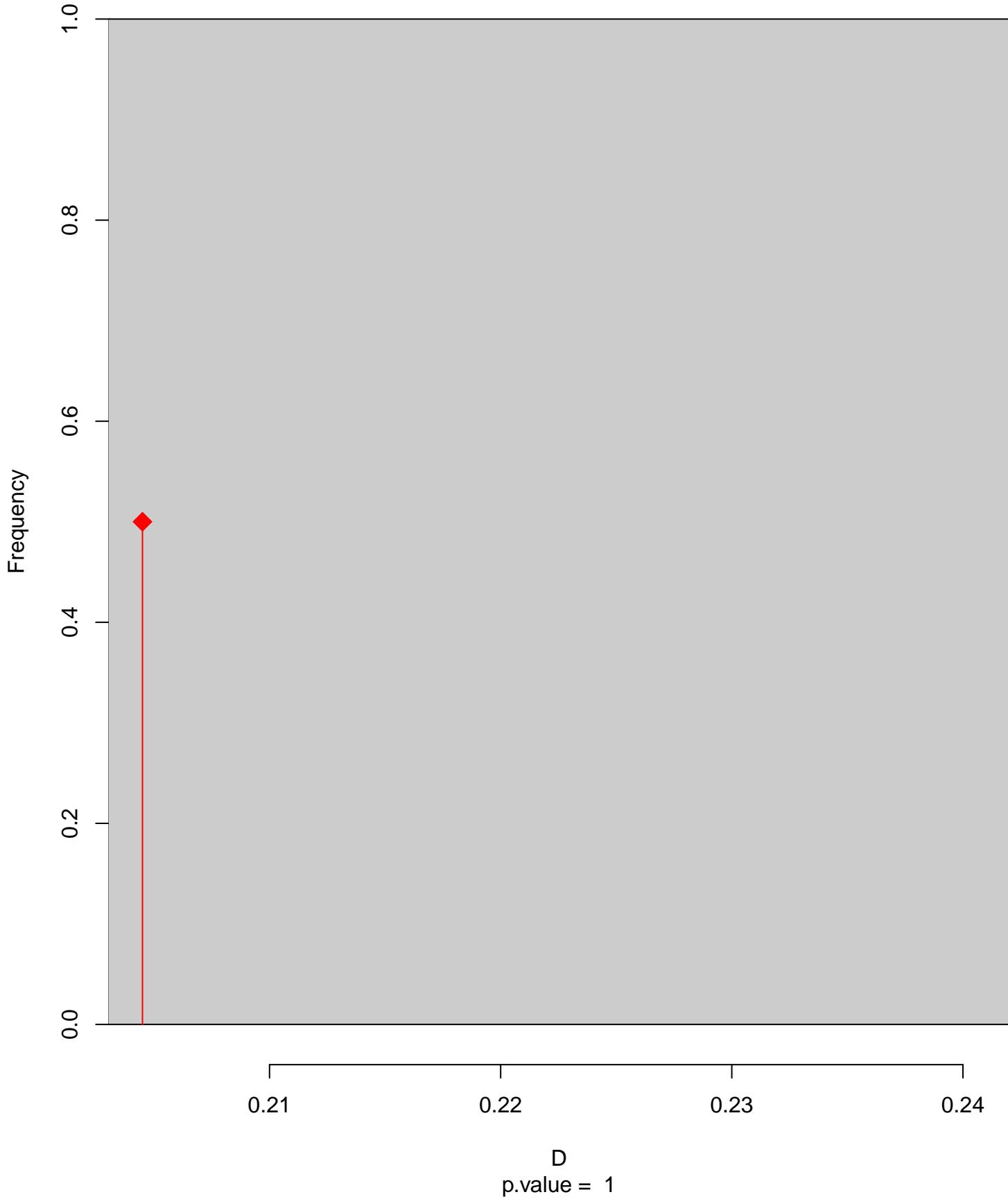


niche overlap:
 $D = 0.205$

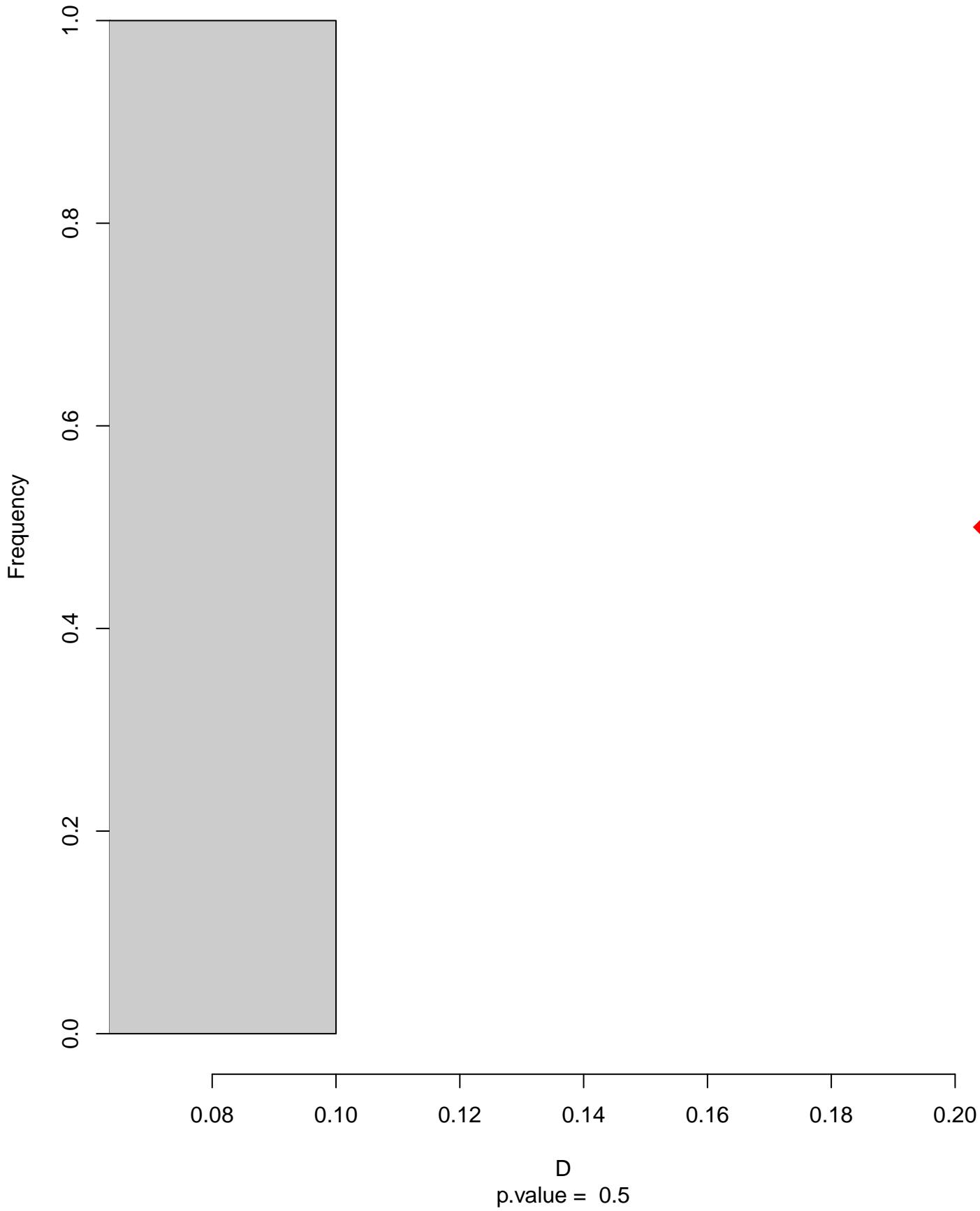
Equivalency



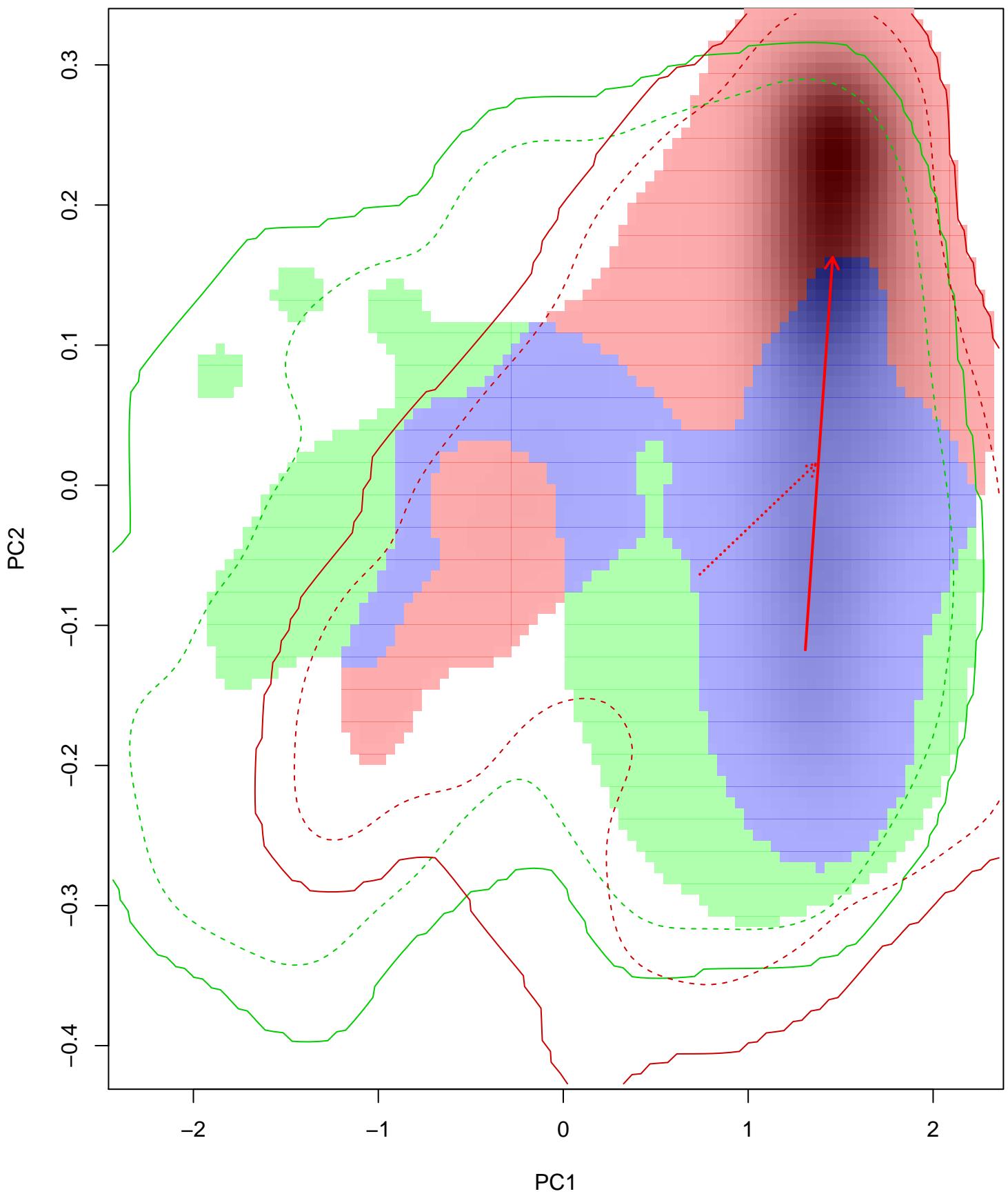
Similarity 2->1



Similarity 1→2

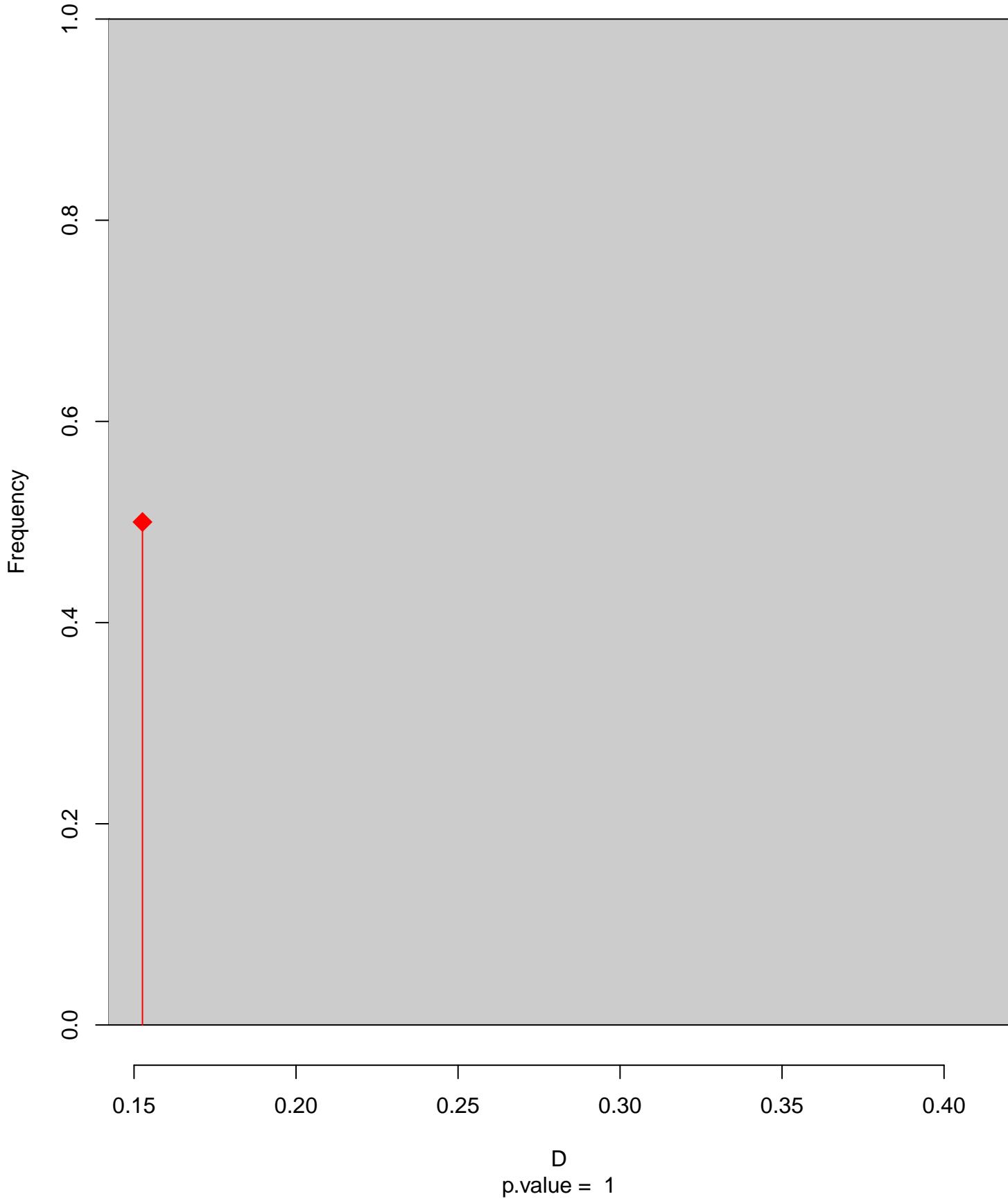


Petrochelidon_fluvicola seasonal overlap-hypo wi

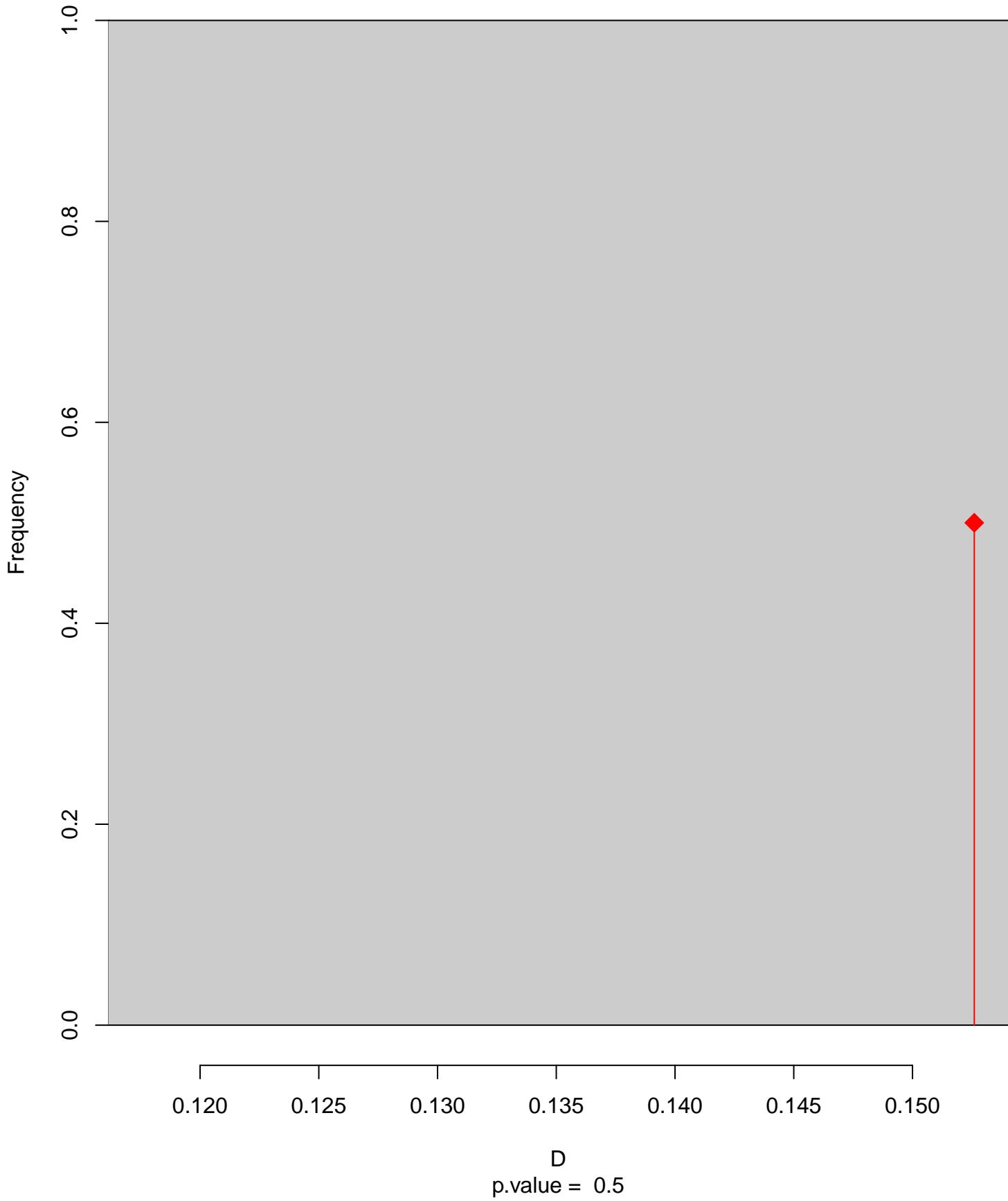


niche overlap:
 $D = 0.153$

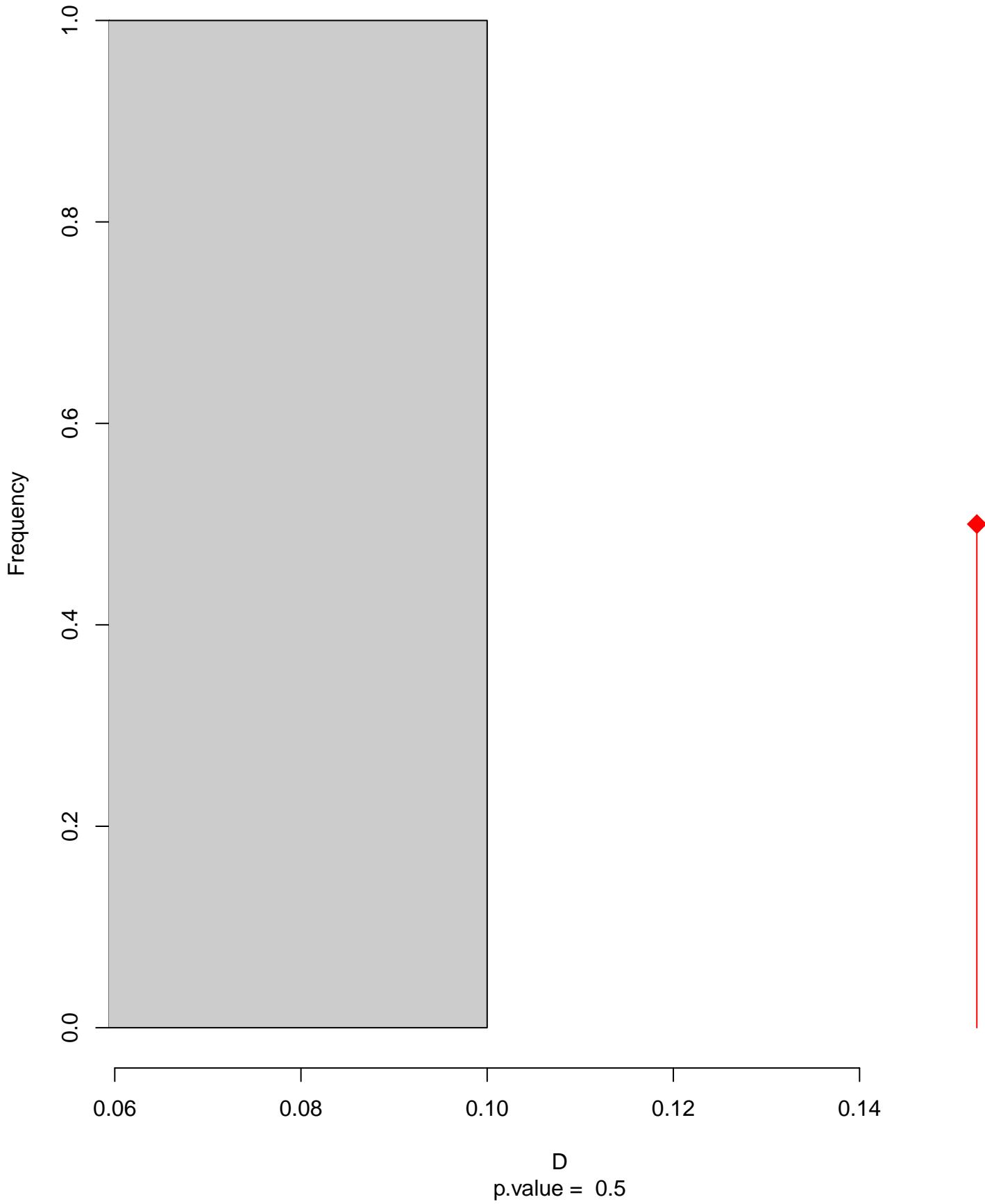
Equivalency



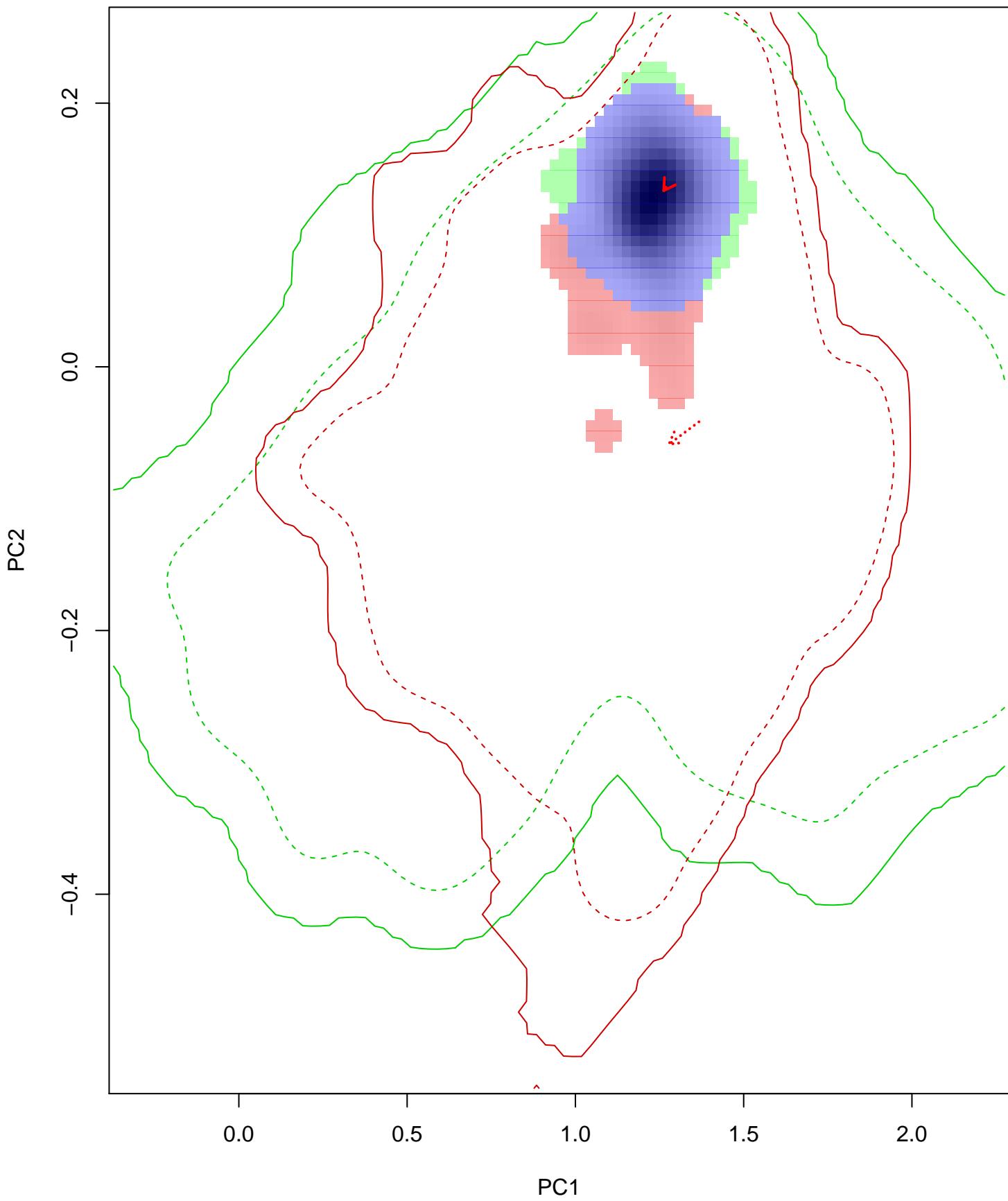
Similarity 2->1



Similarity 1→2

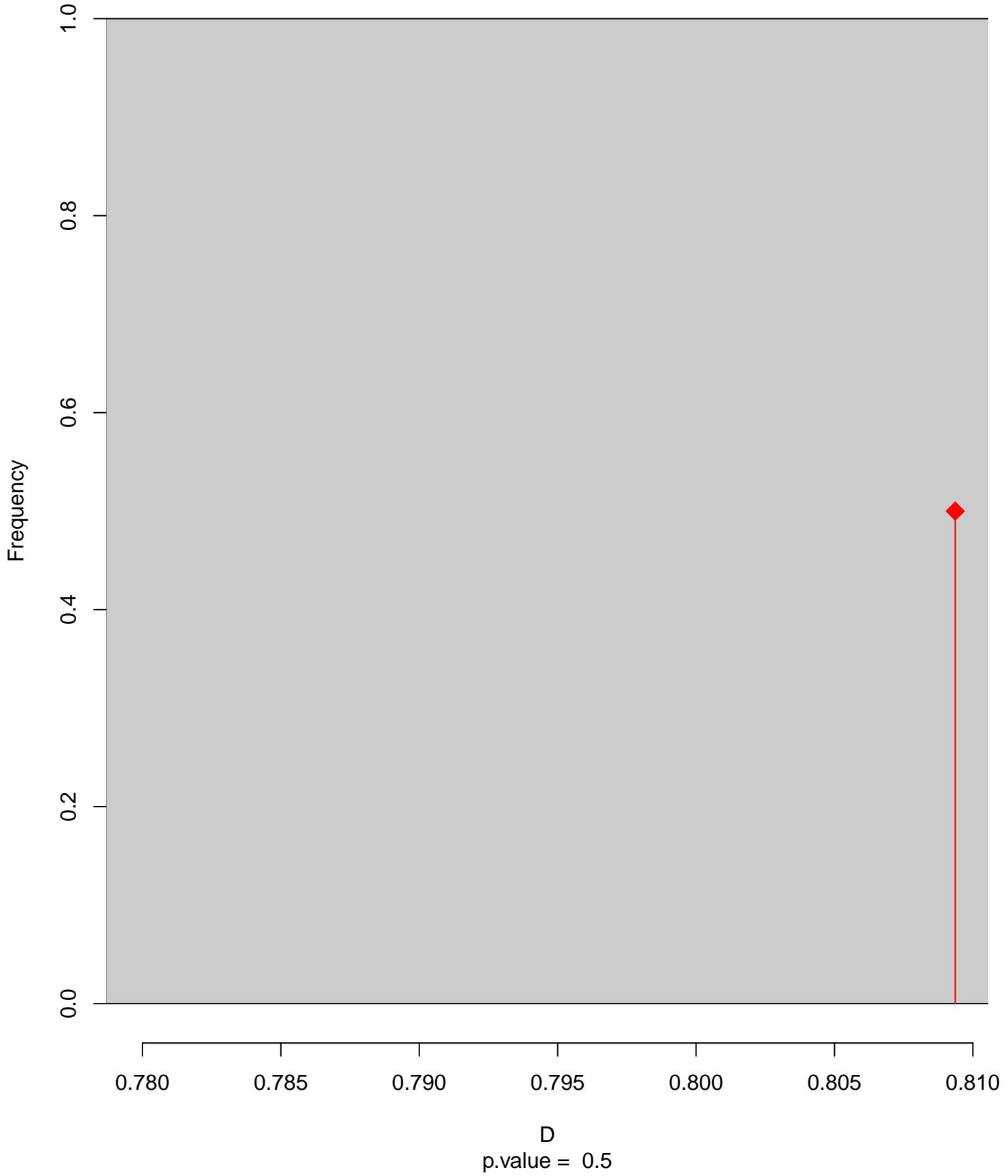


Petrochelidon_fuliginosa seasonal overlap

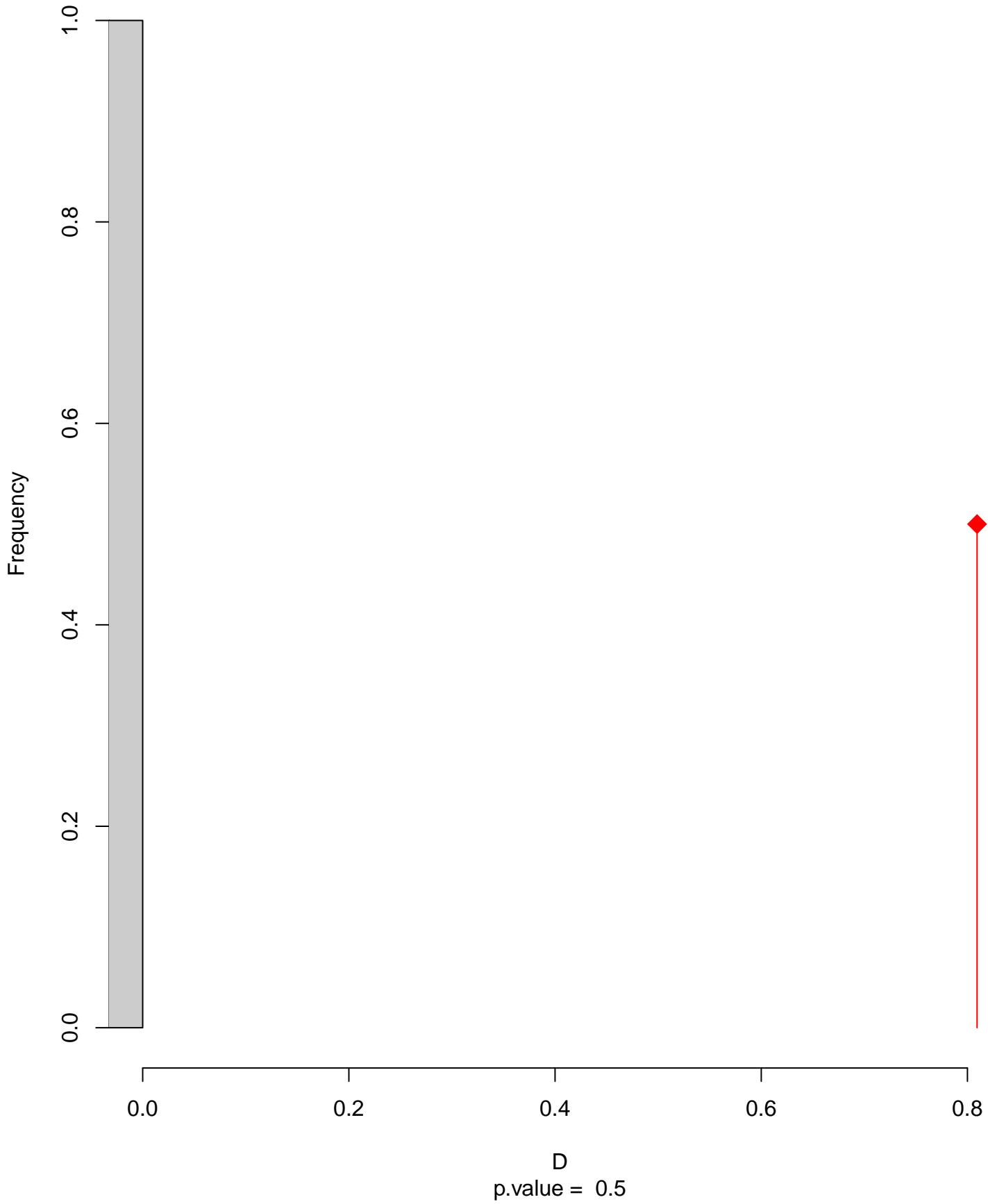


niche overlap:
D= 0.809

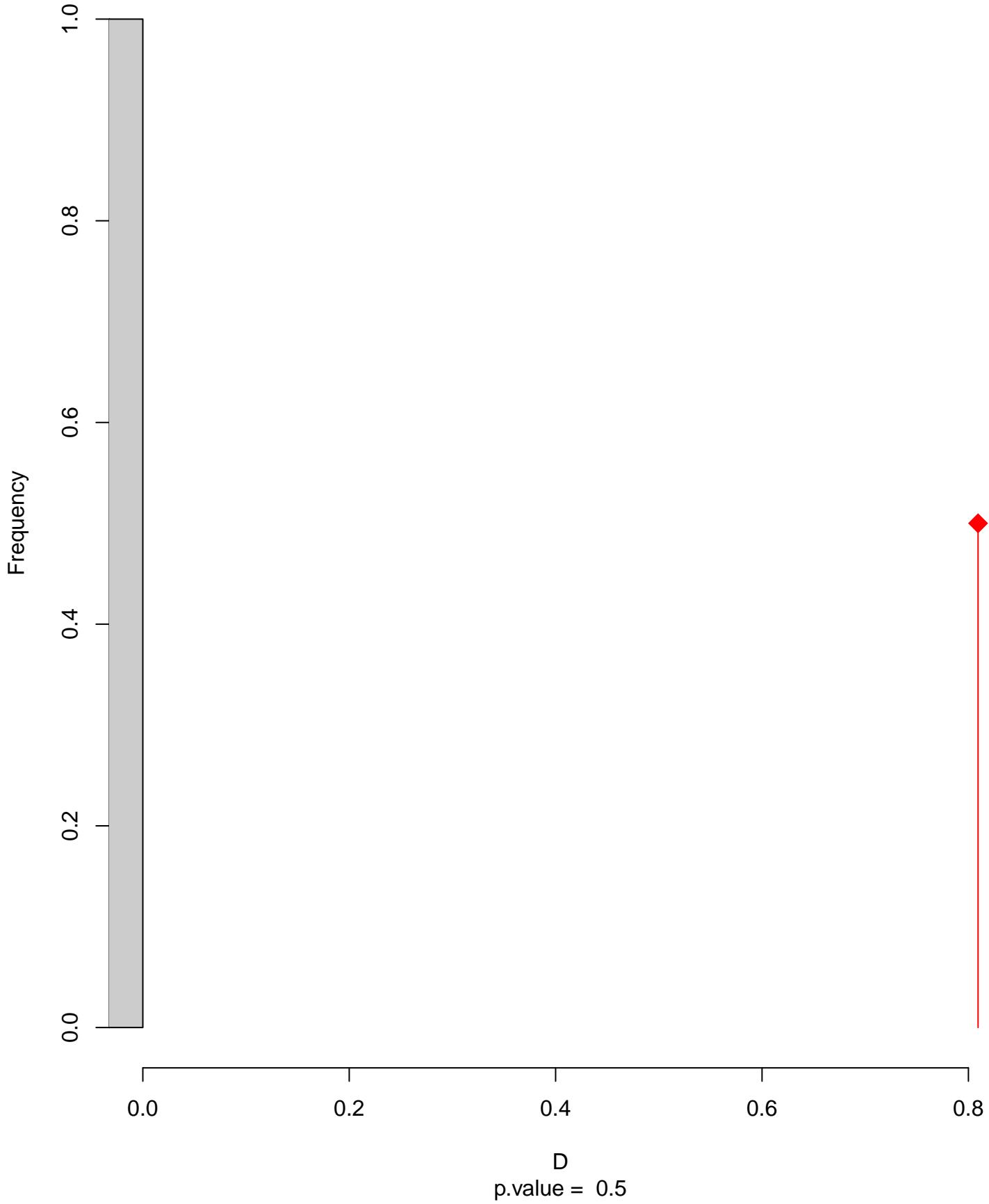
Equivalency



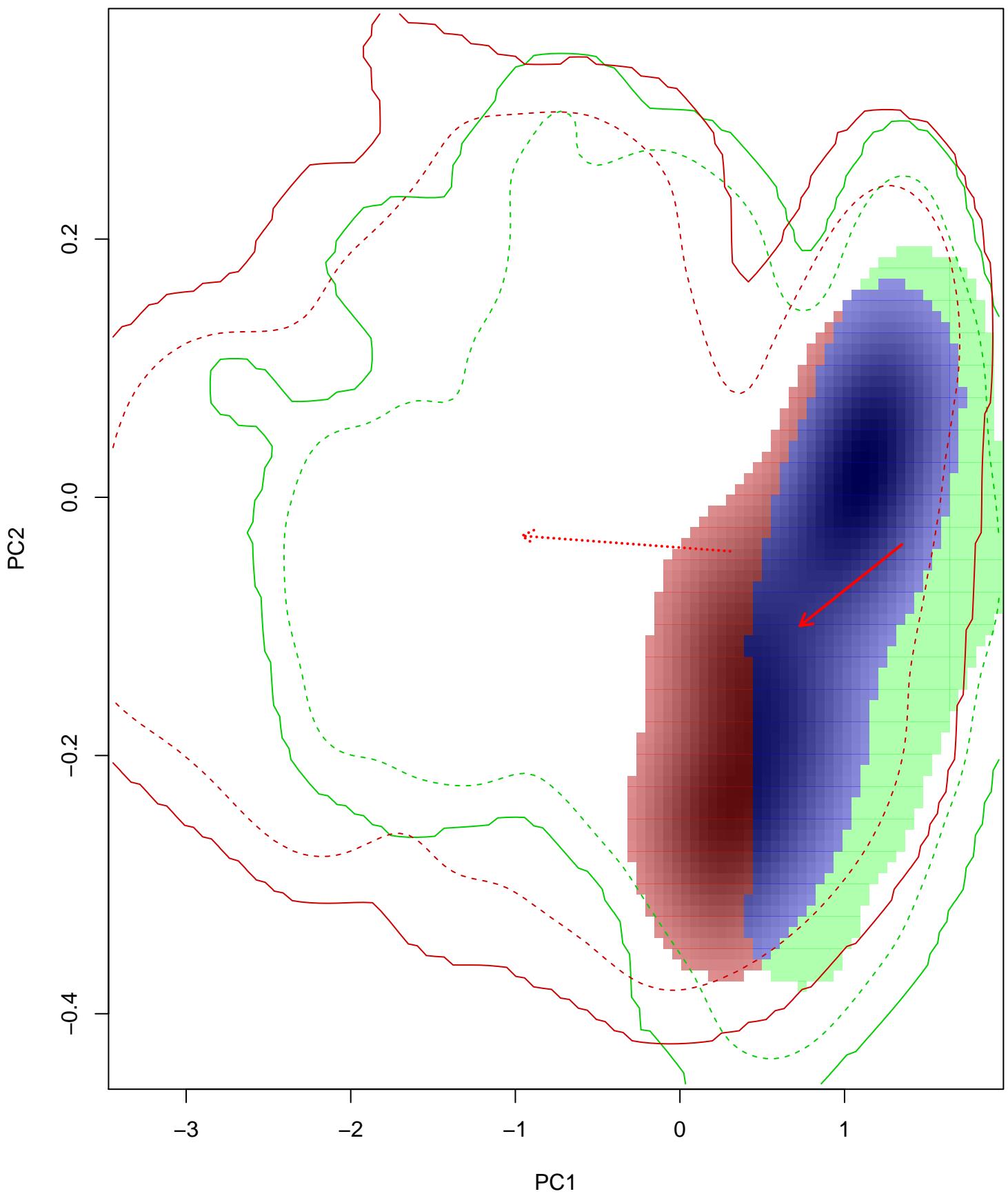
Similarity 2->1



Similarity 1->2

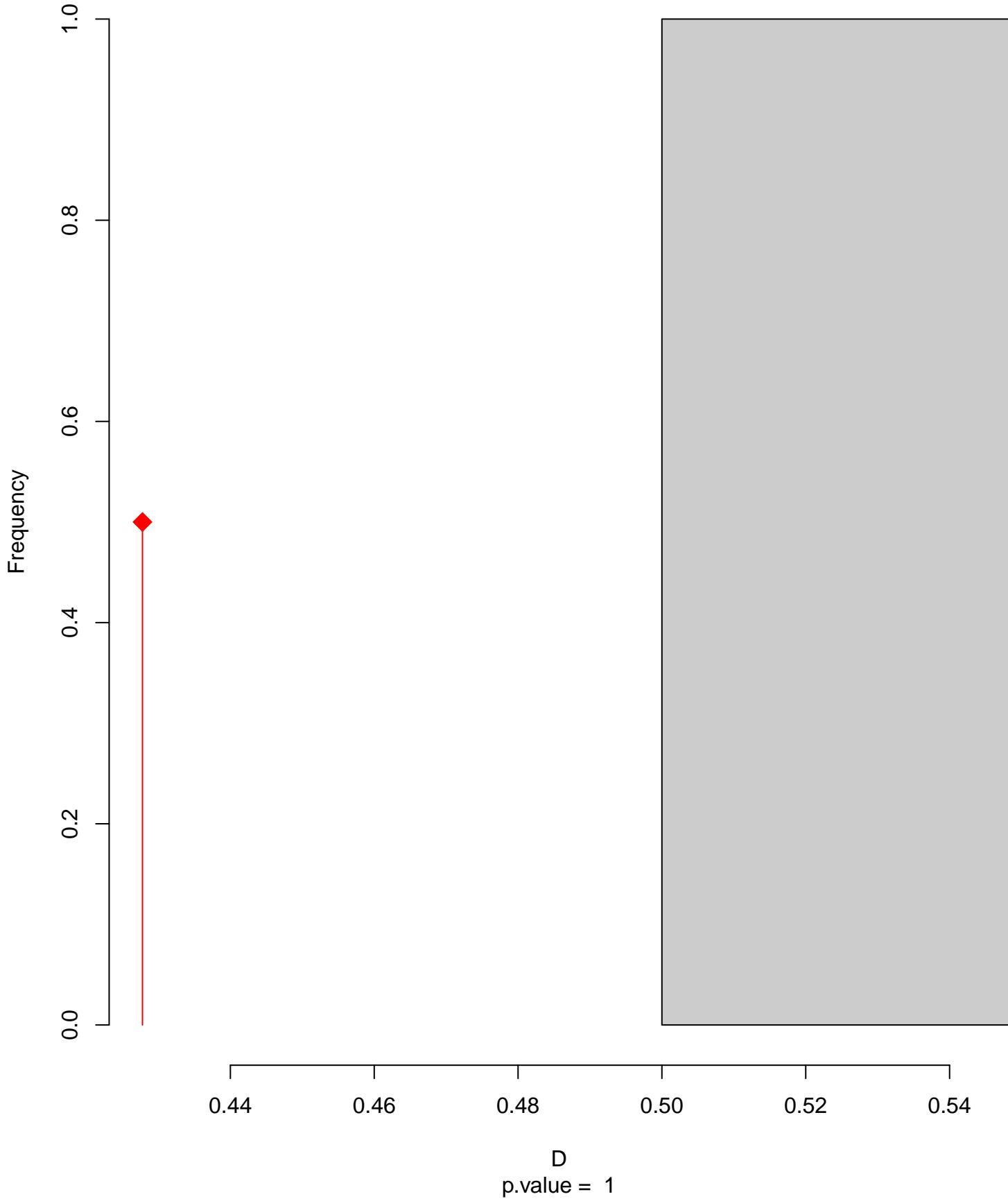


Petrochelidon_fulva seasonal overlap

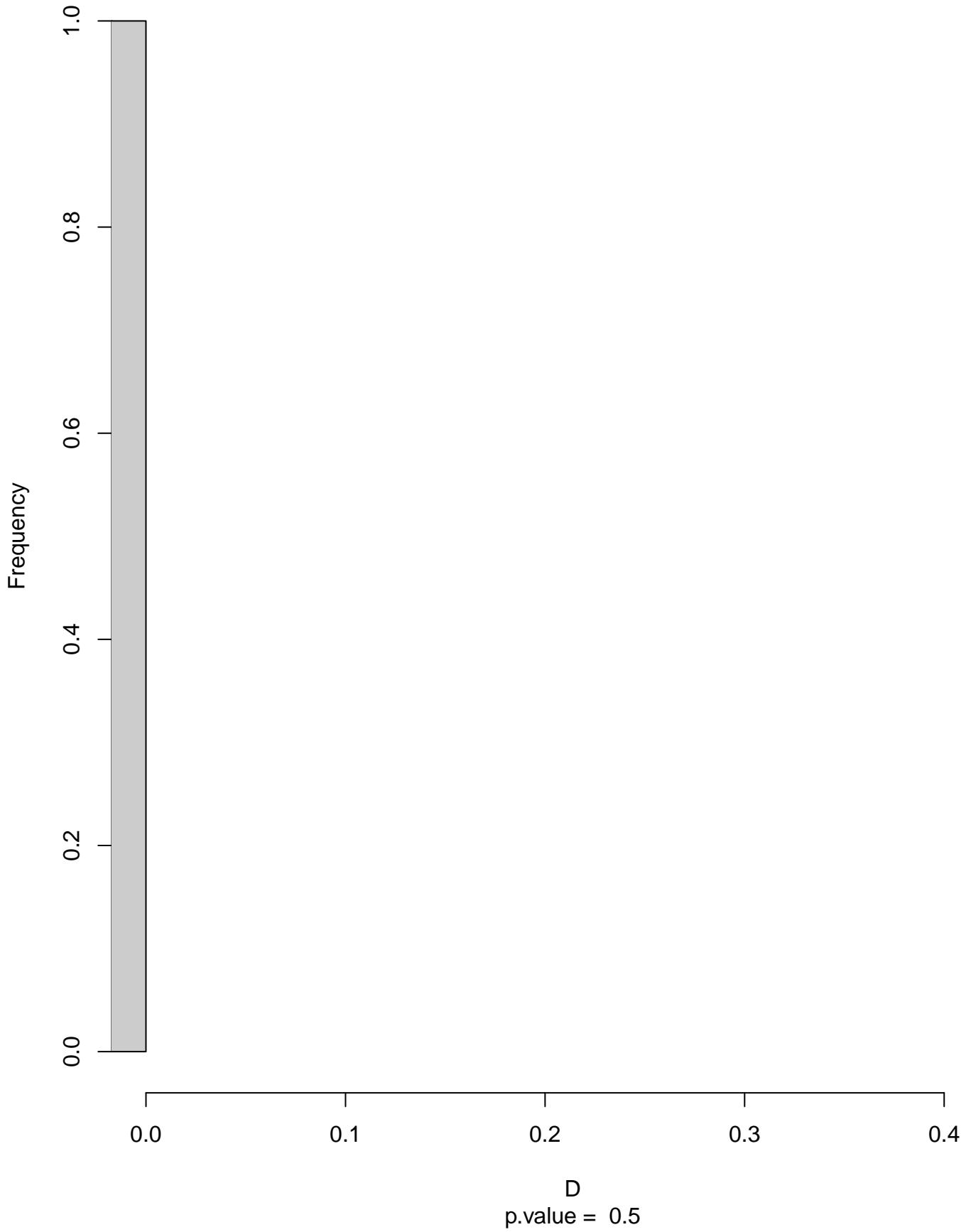


niche overlap:
 $D = 0.428$

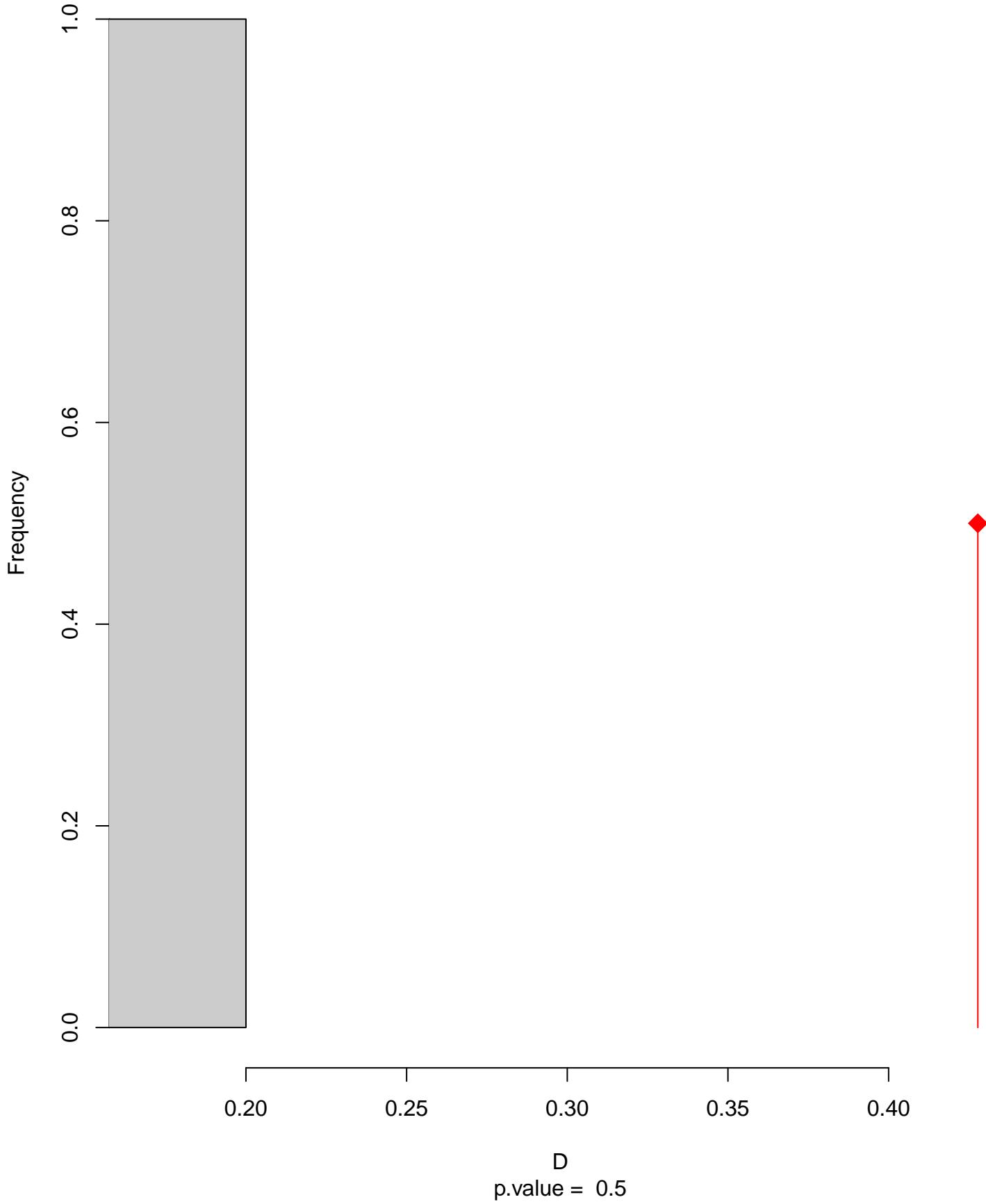
Equivalency



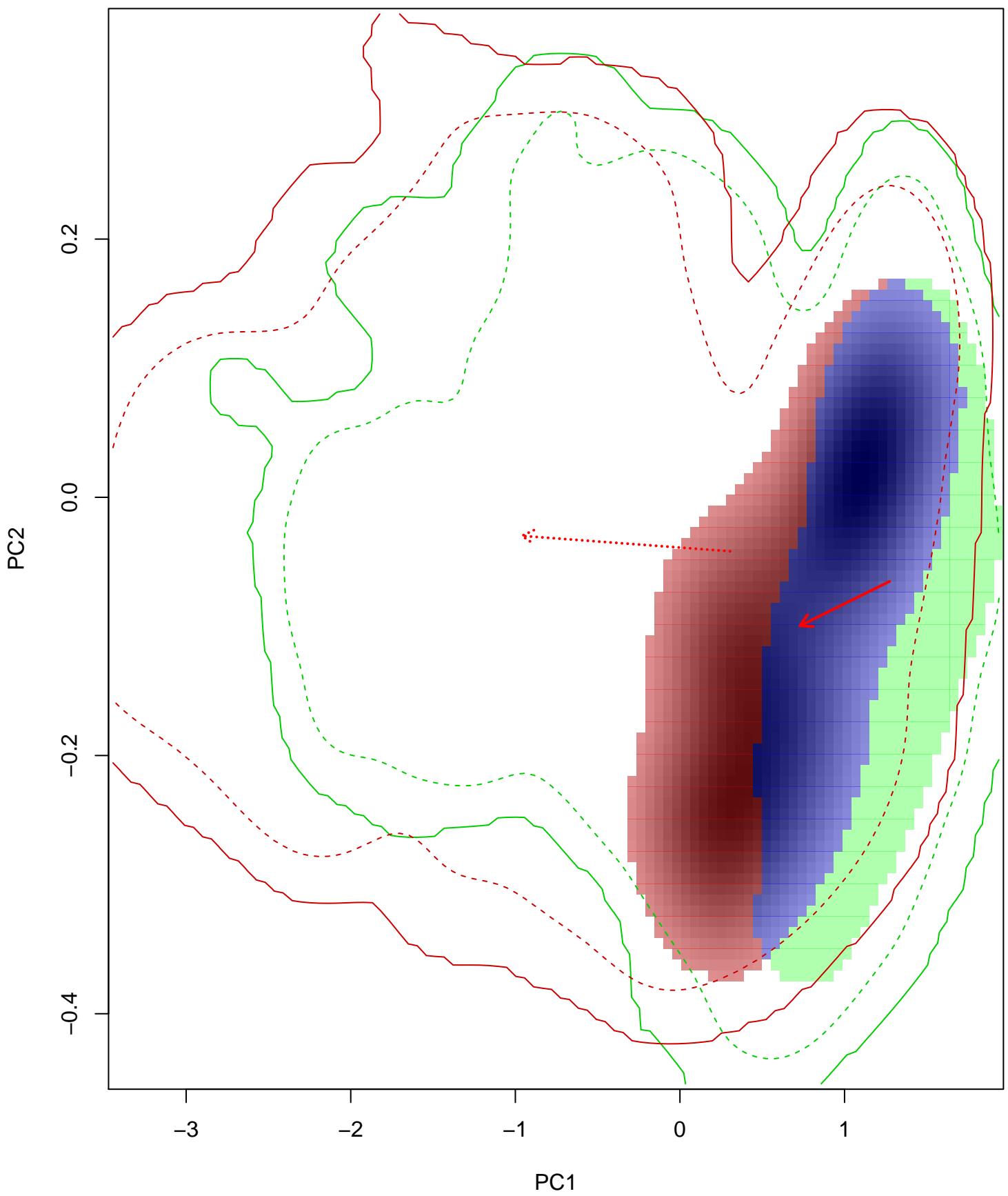
Similarity 2->1



Similarity 1→2

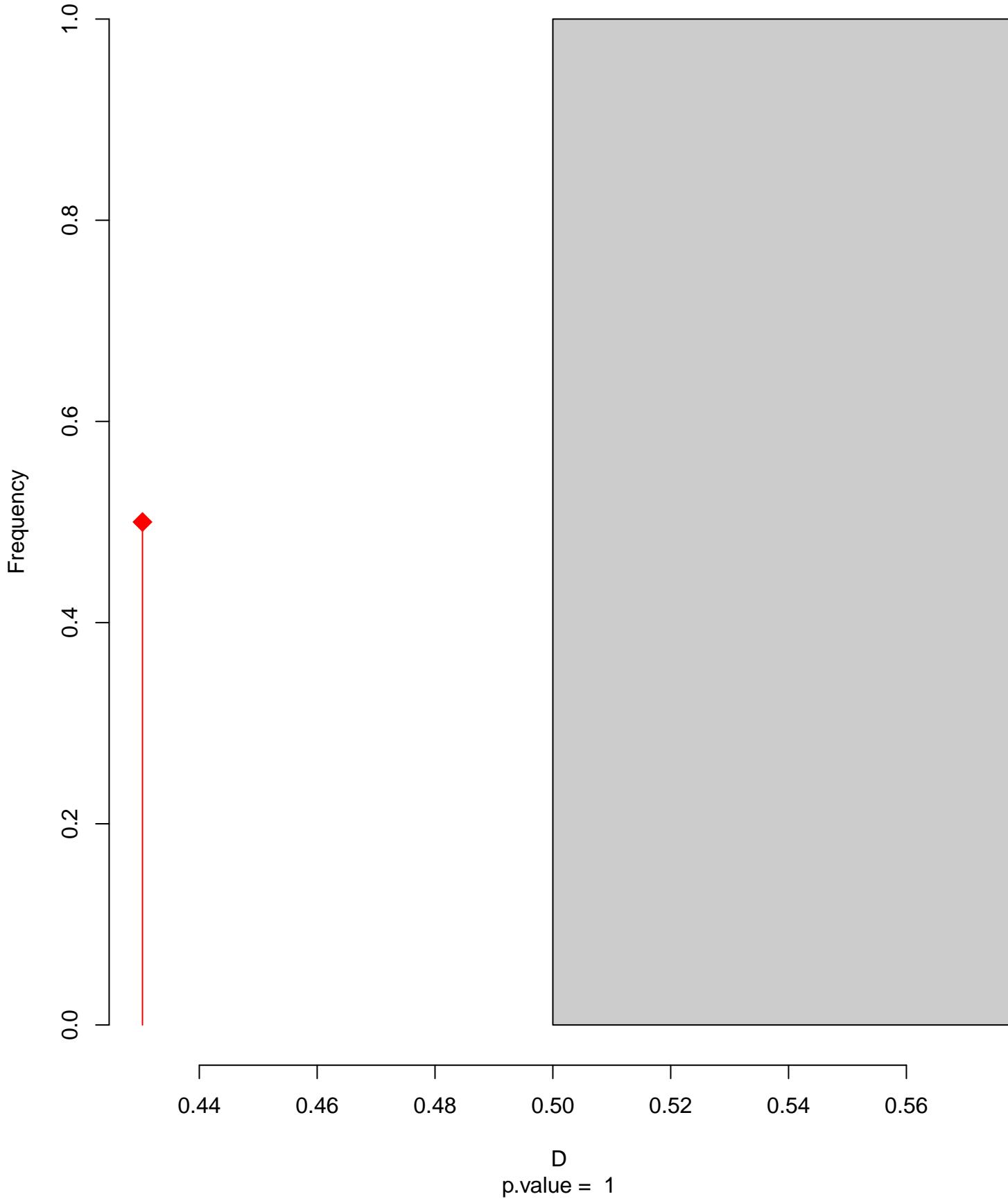


Petrochelidon_fulva seasonal overlap-hypo.br

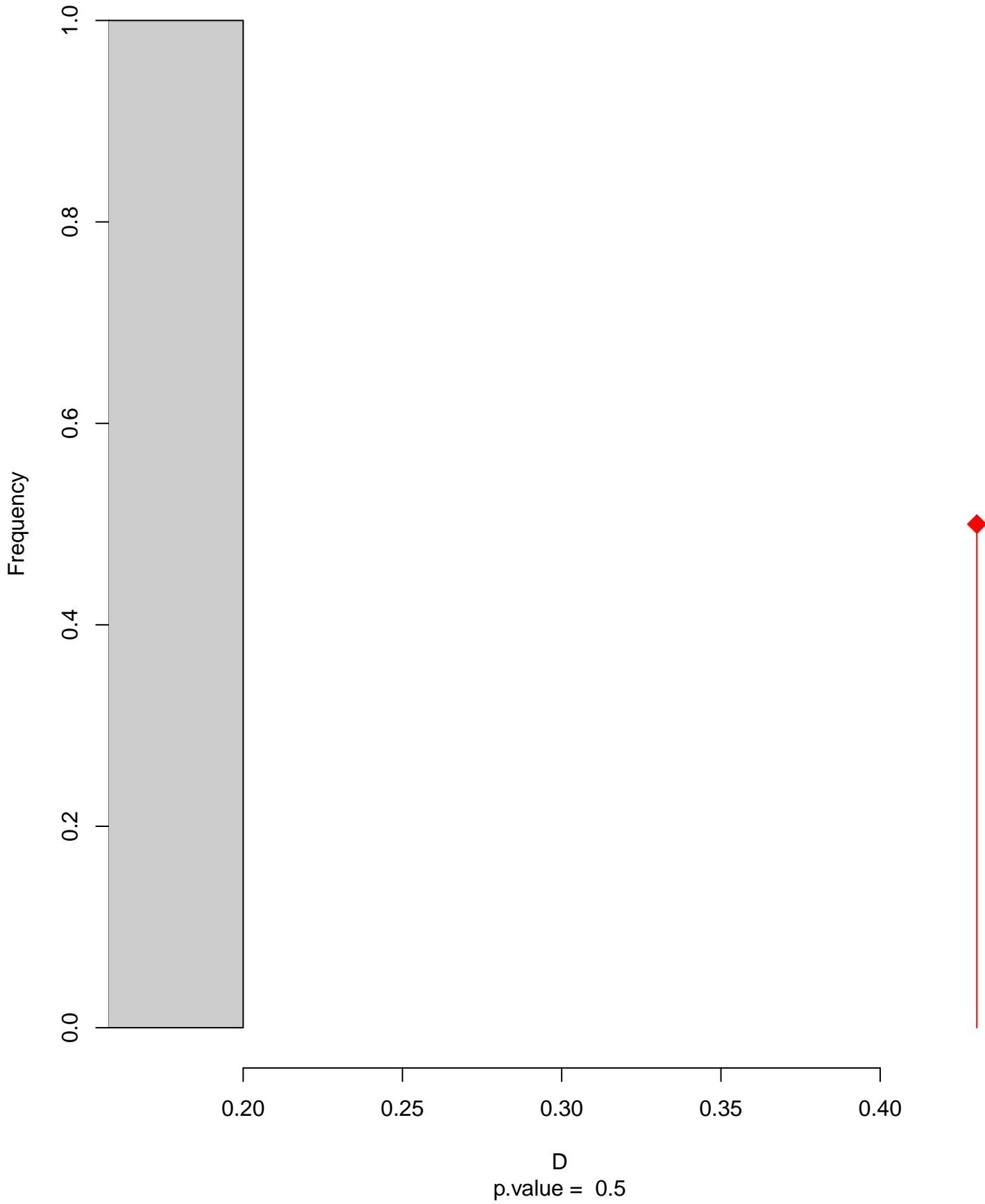


niche overlap:
 $D = 0.43$

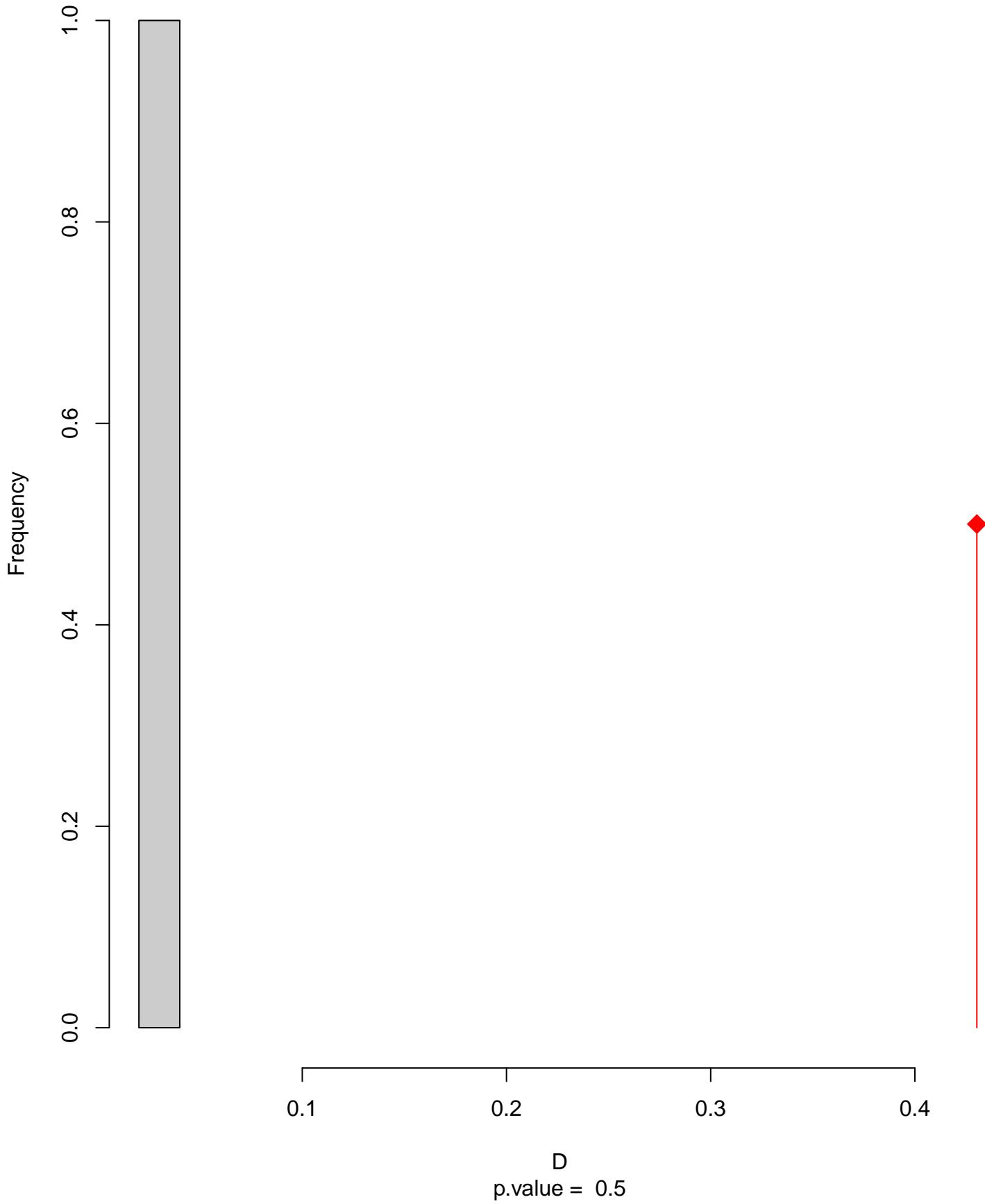
Equivalency



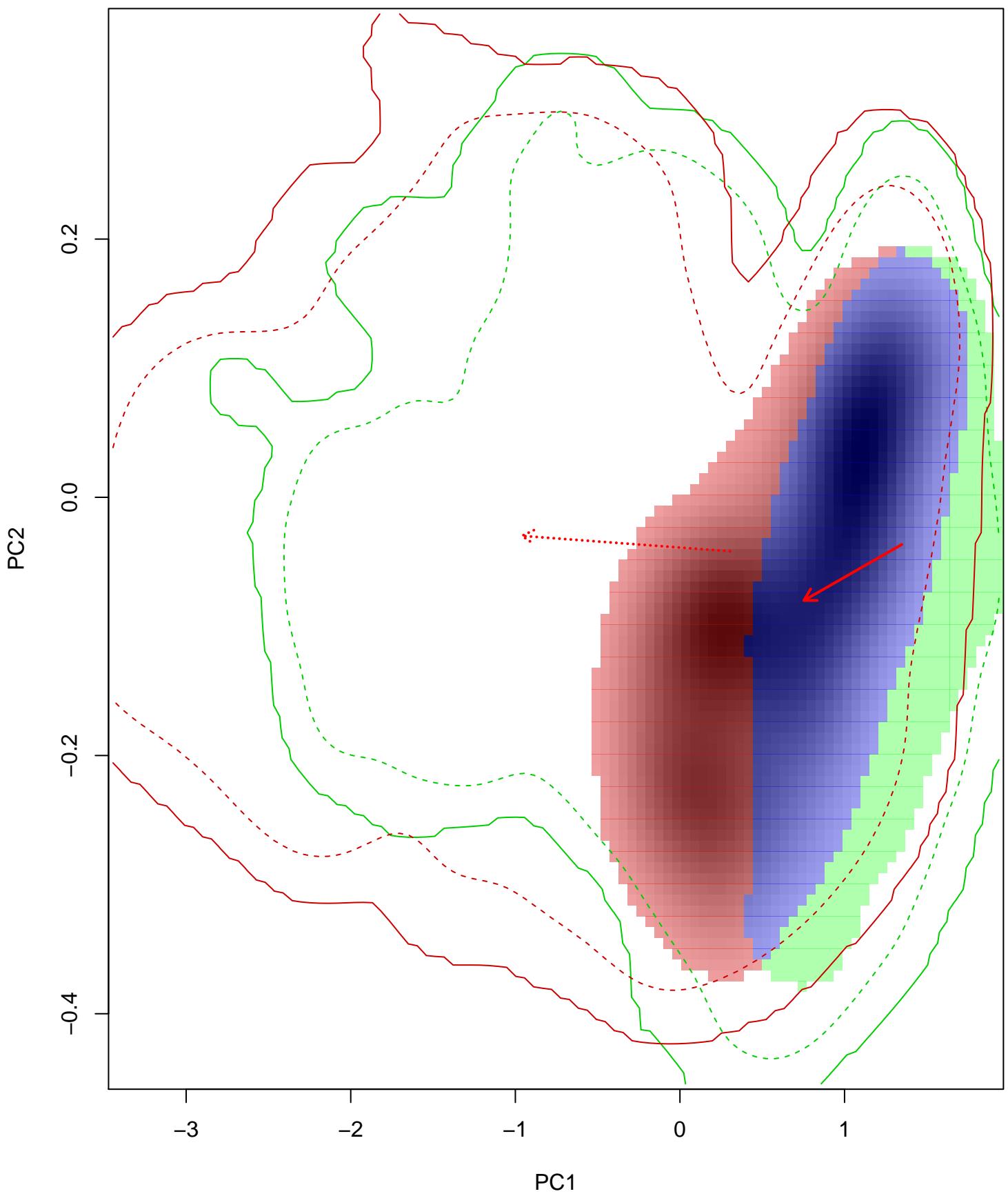
Similarity 2->1



Similarity 1→2

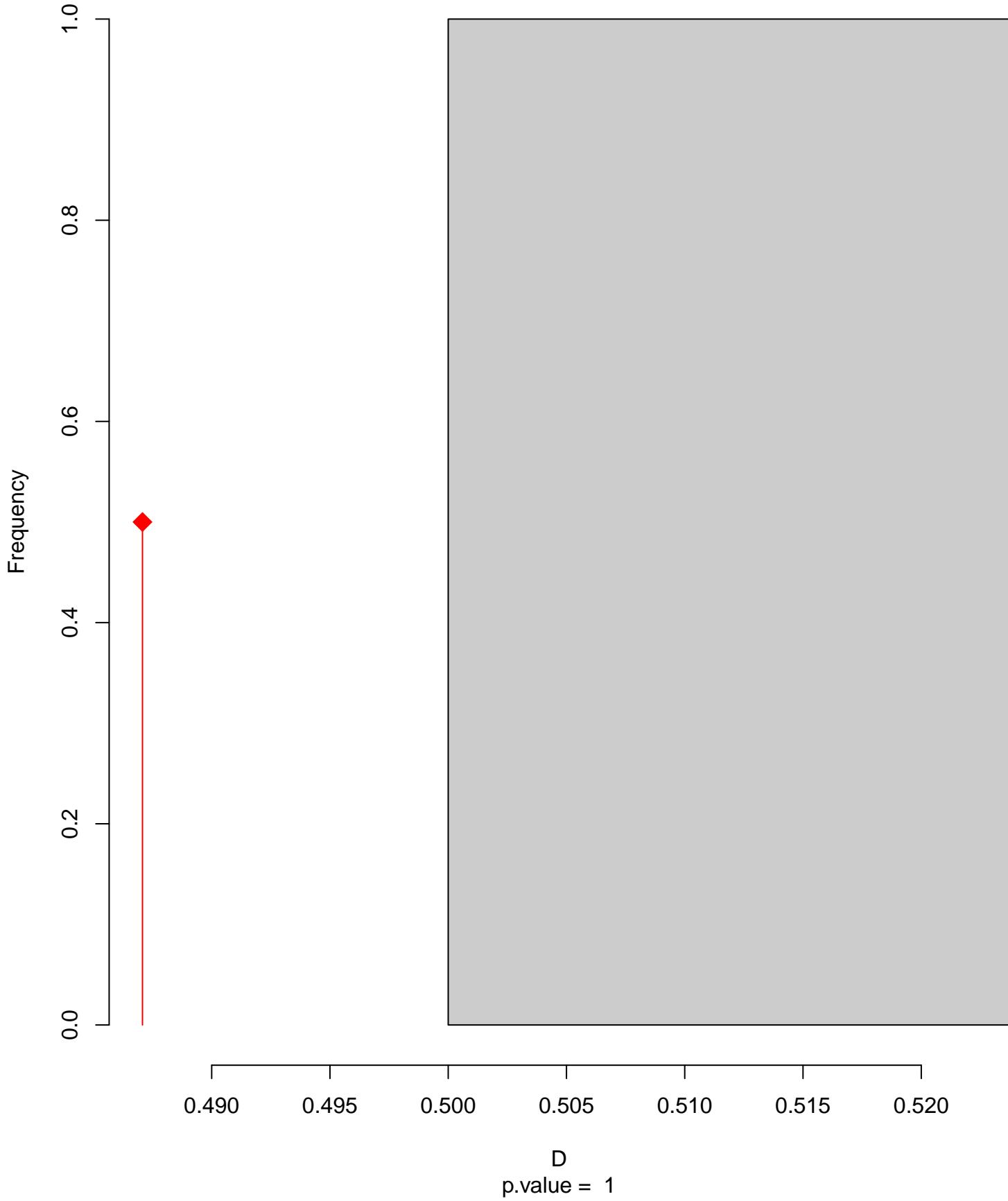


Petrochelidon_fulva seasonal overlap-hypo wi

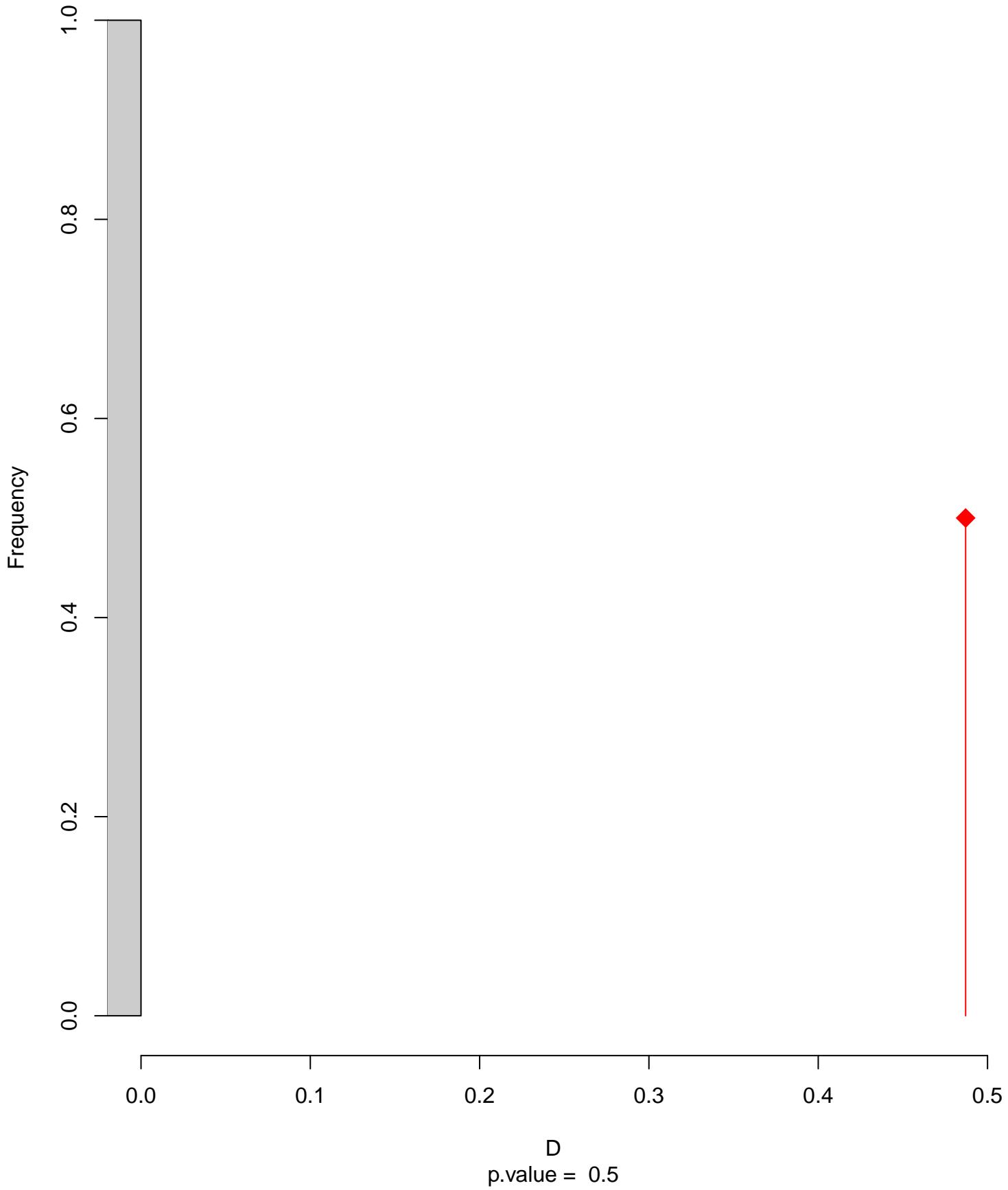


niche overlap:
 $D = 0.487$

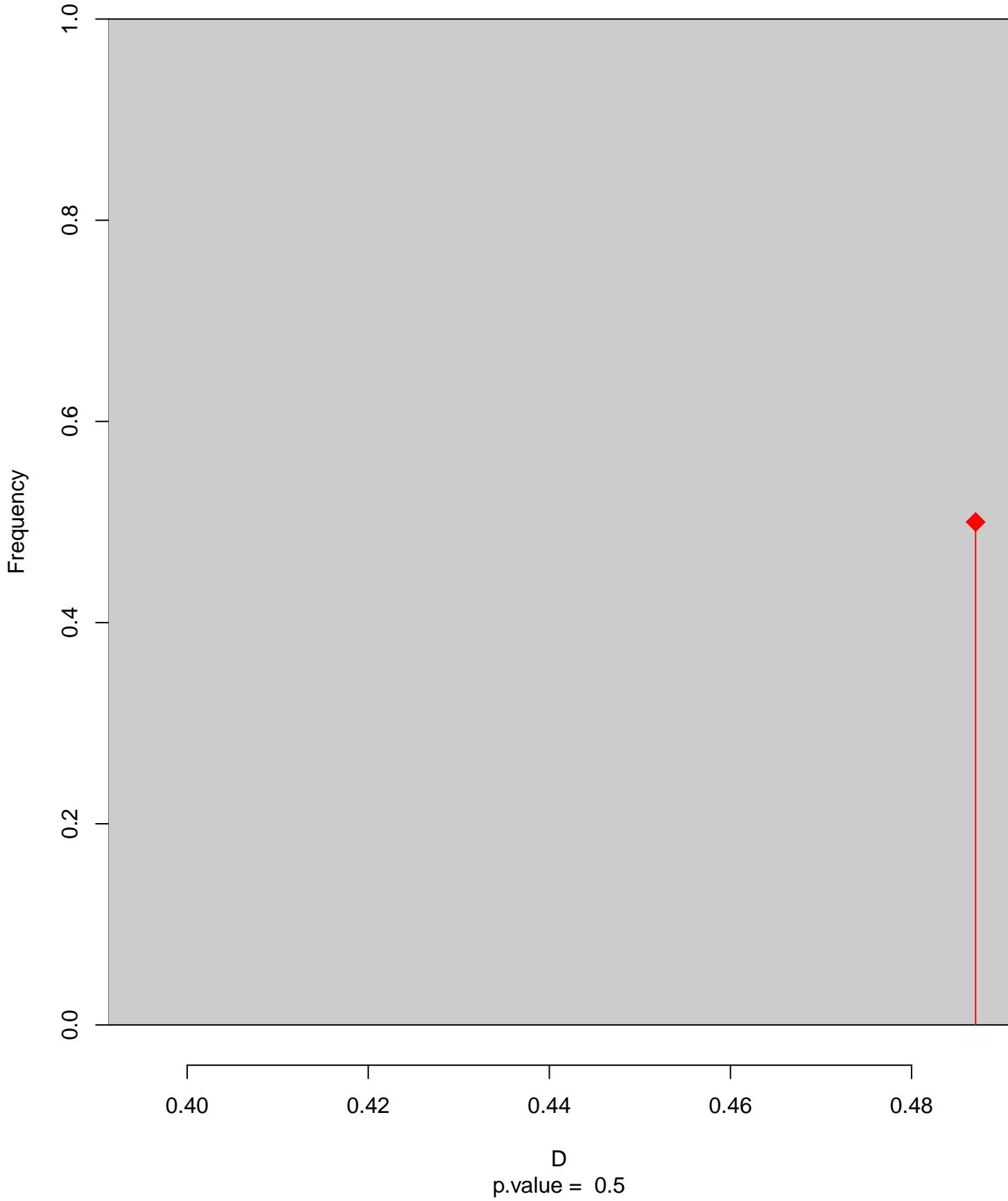
Equivalency



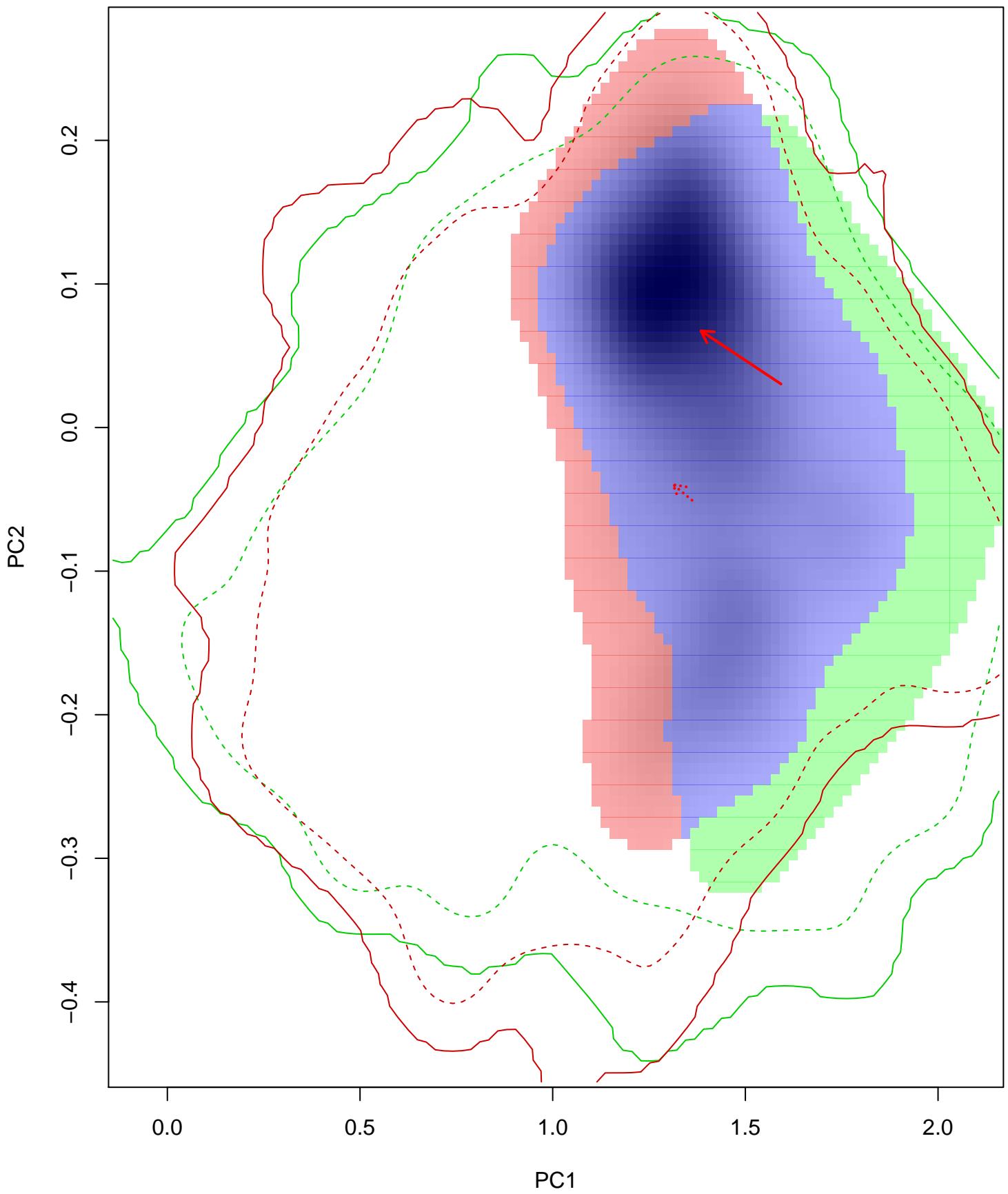
Similarity 2->1



Similarity 1→2

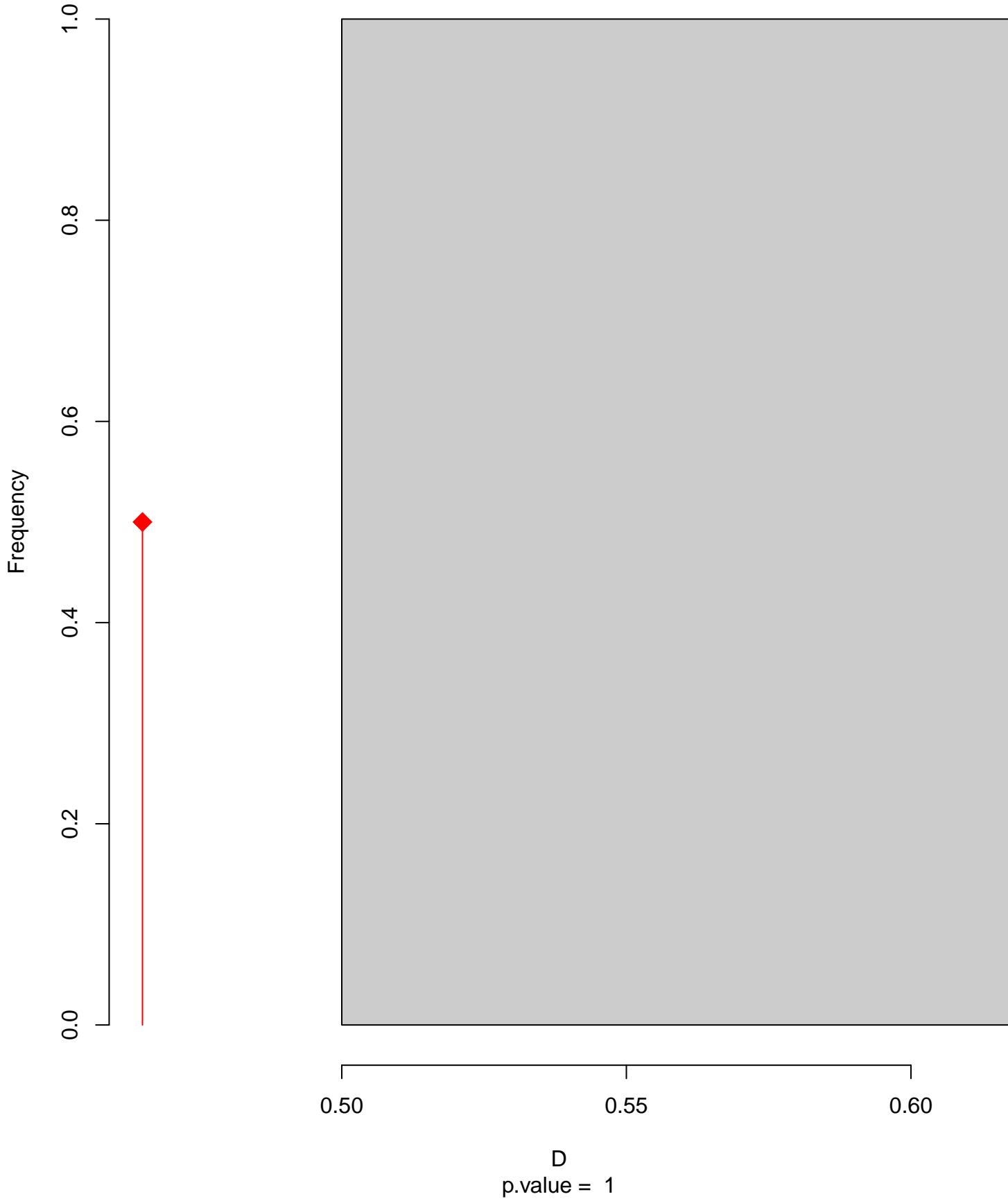


Petrochelidon_preussi seasonal overlap

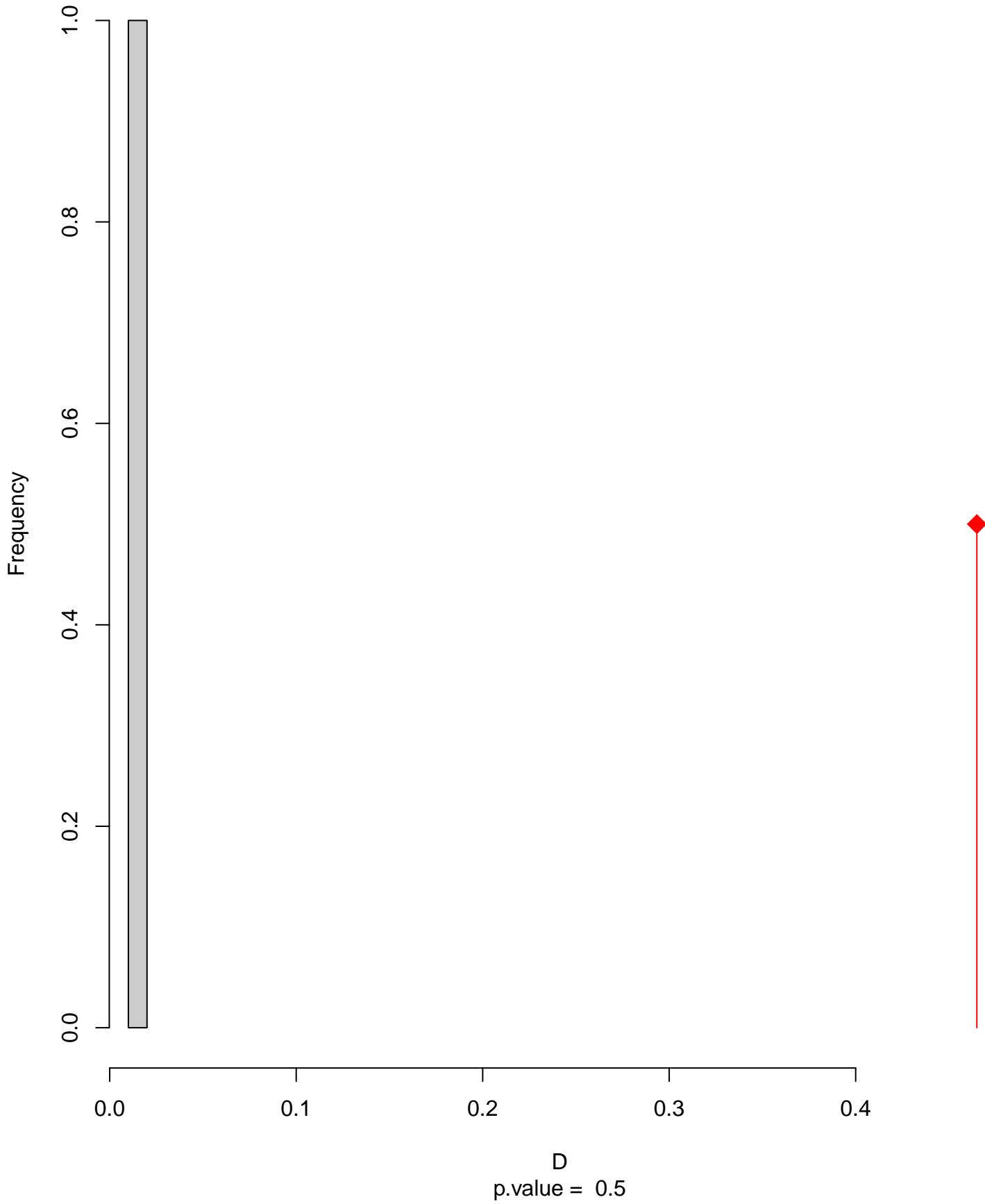


niche overlap:
 $D = 0.465$

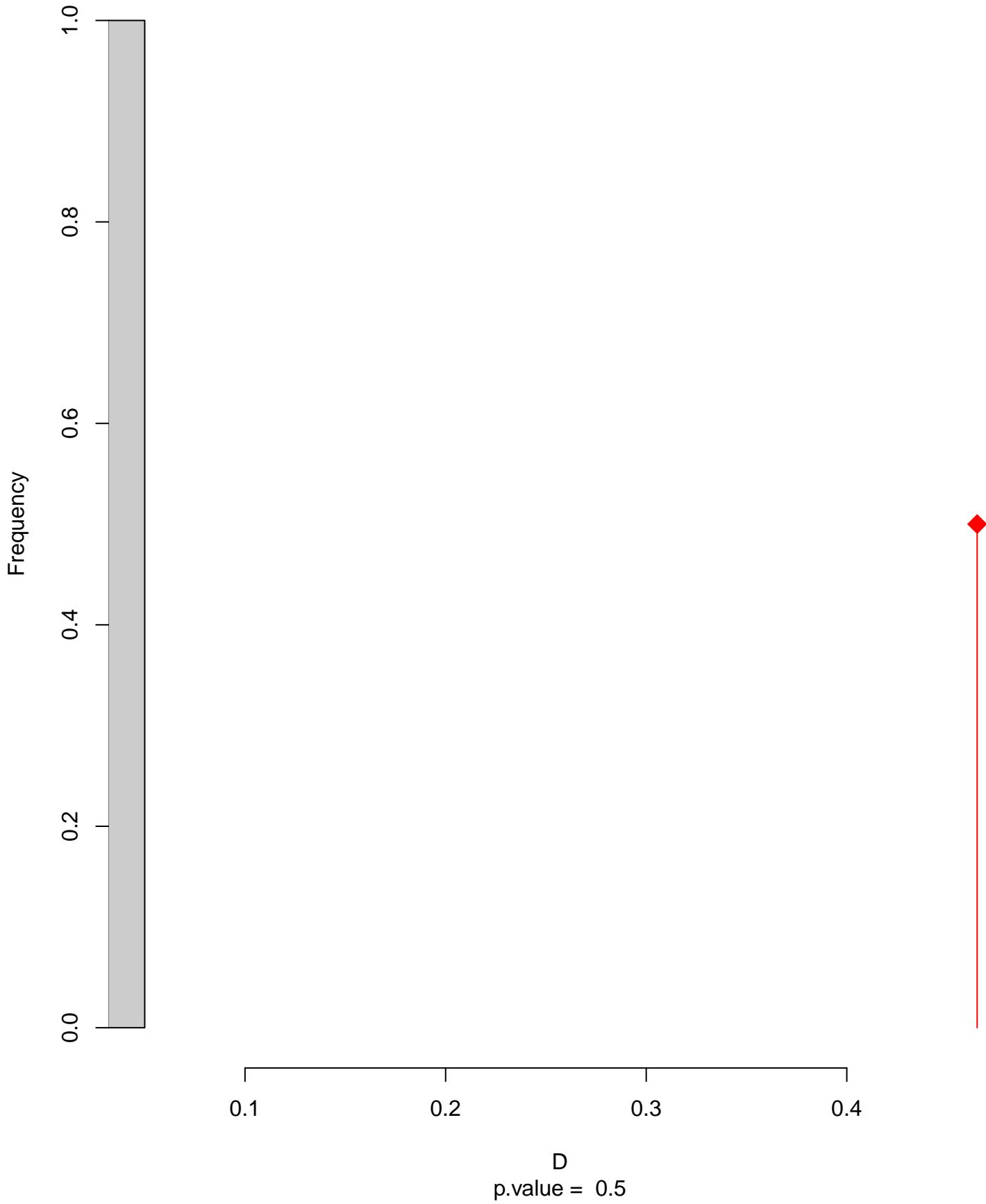
Equivalency



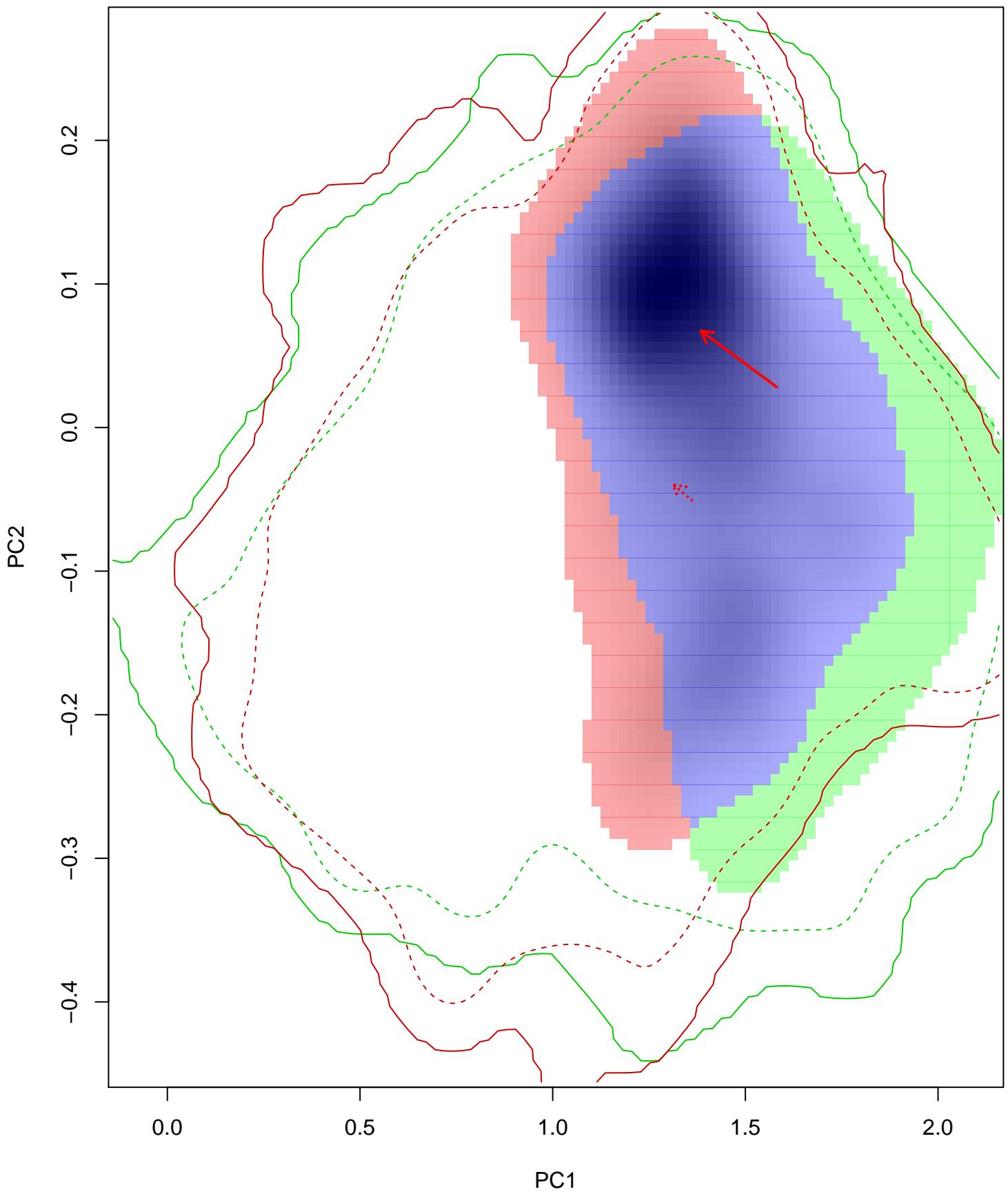
Similarity 2->1



Similarity 1→2

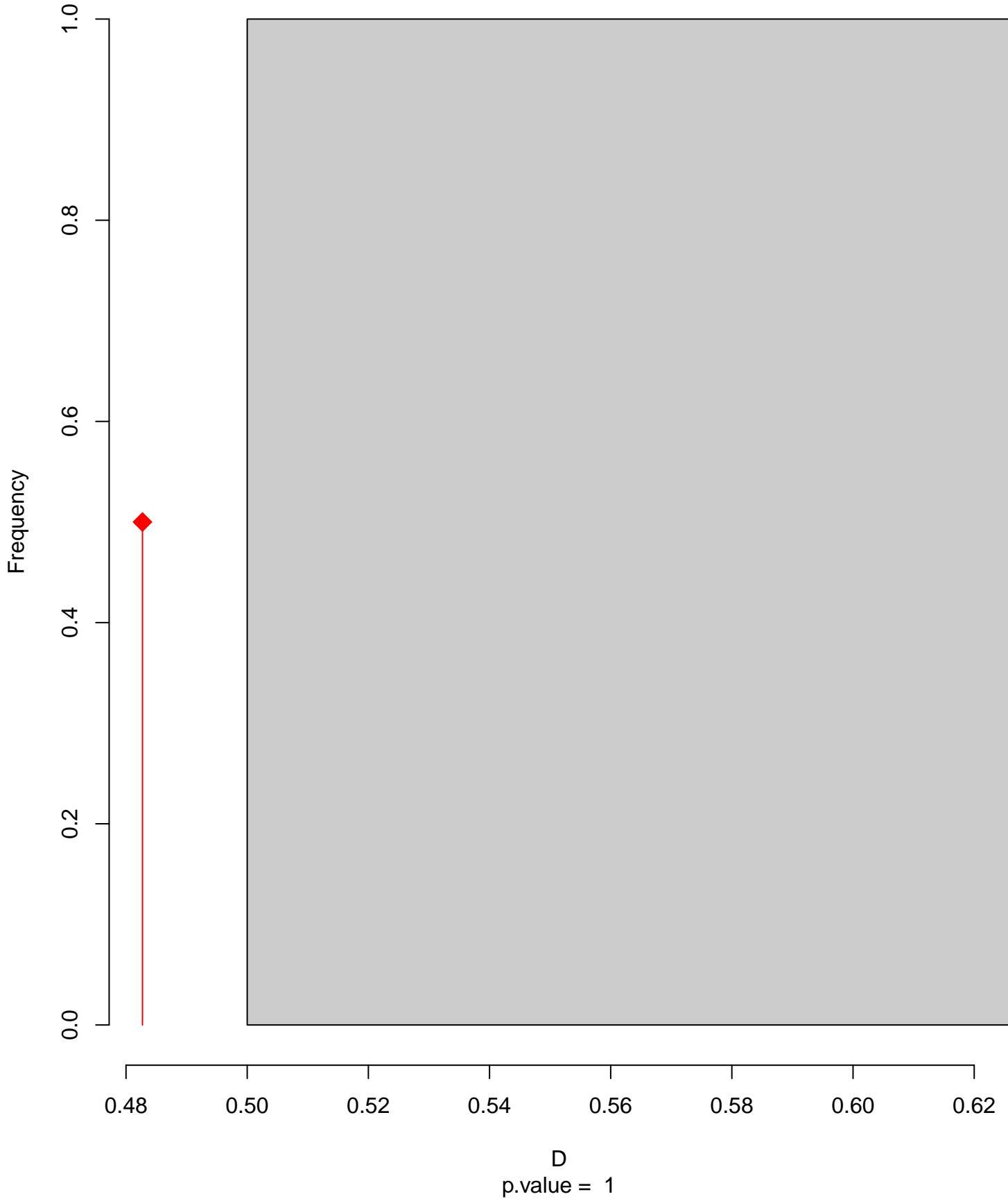


Petrochelidon_preussi seasonal overlap-hypo.br

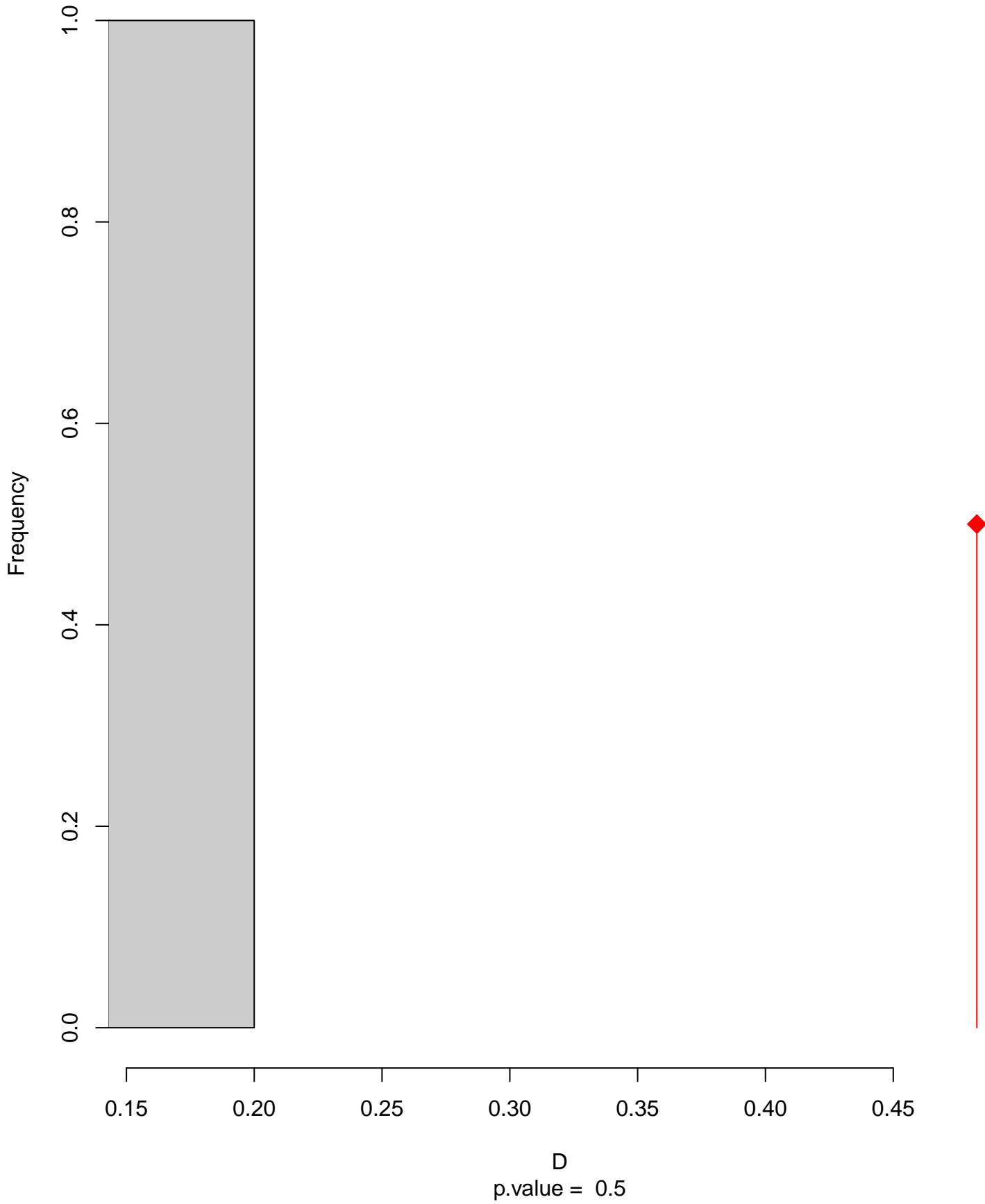


niche overlap:
 $D = 0.483$

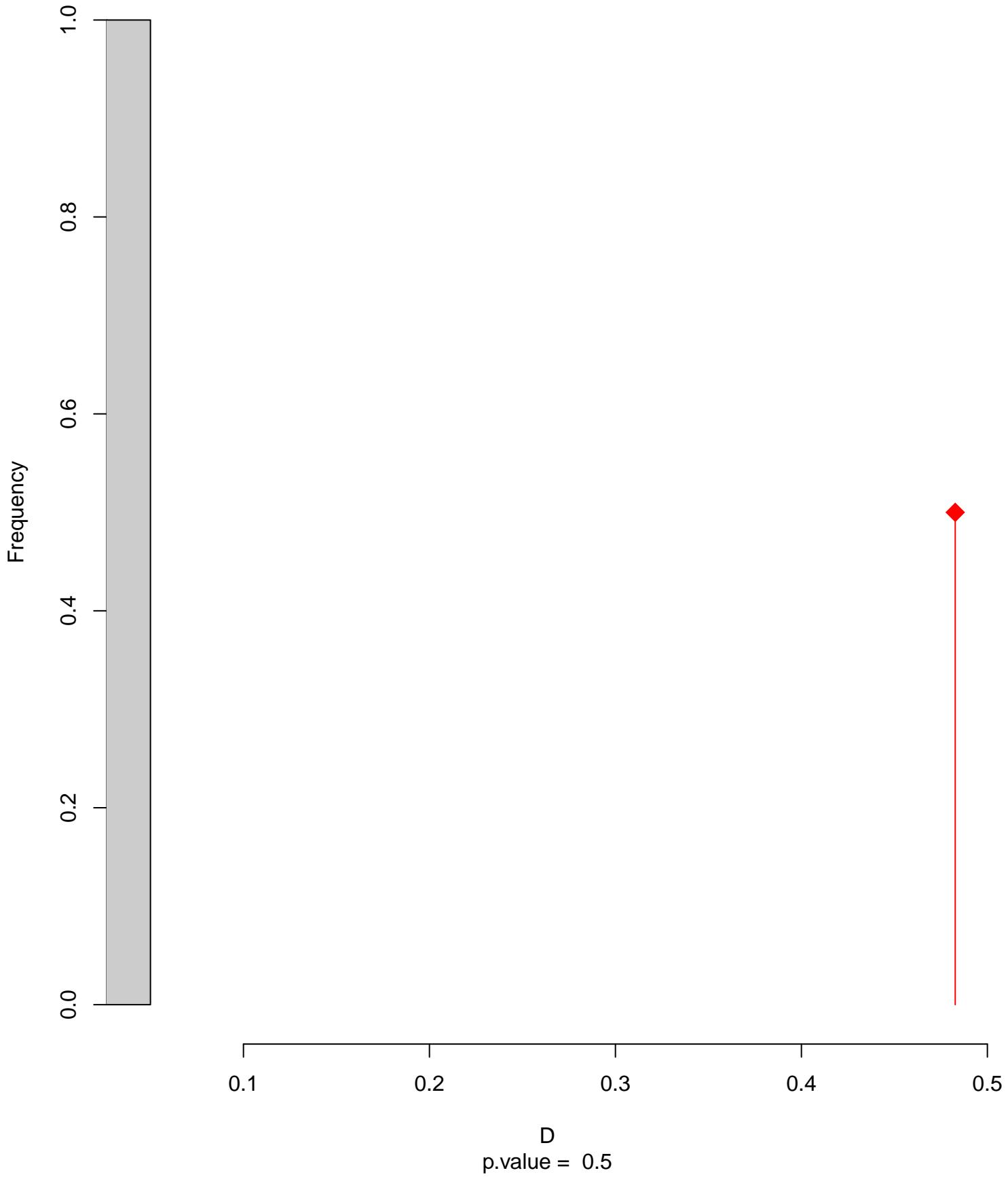
Equivalency



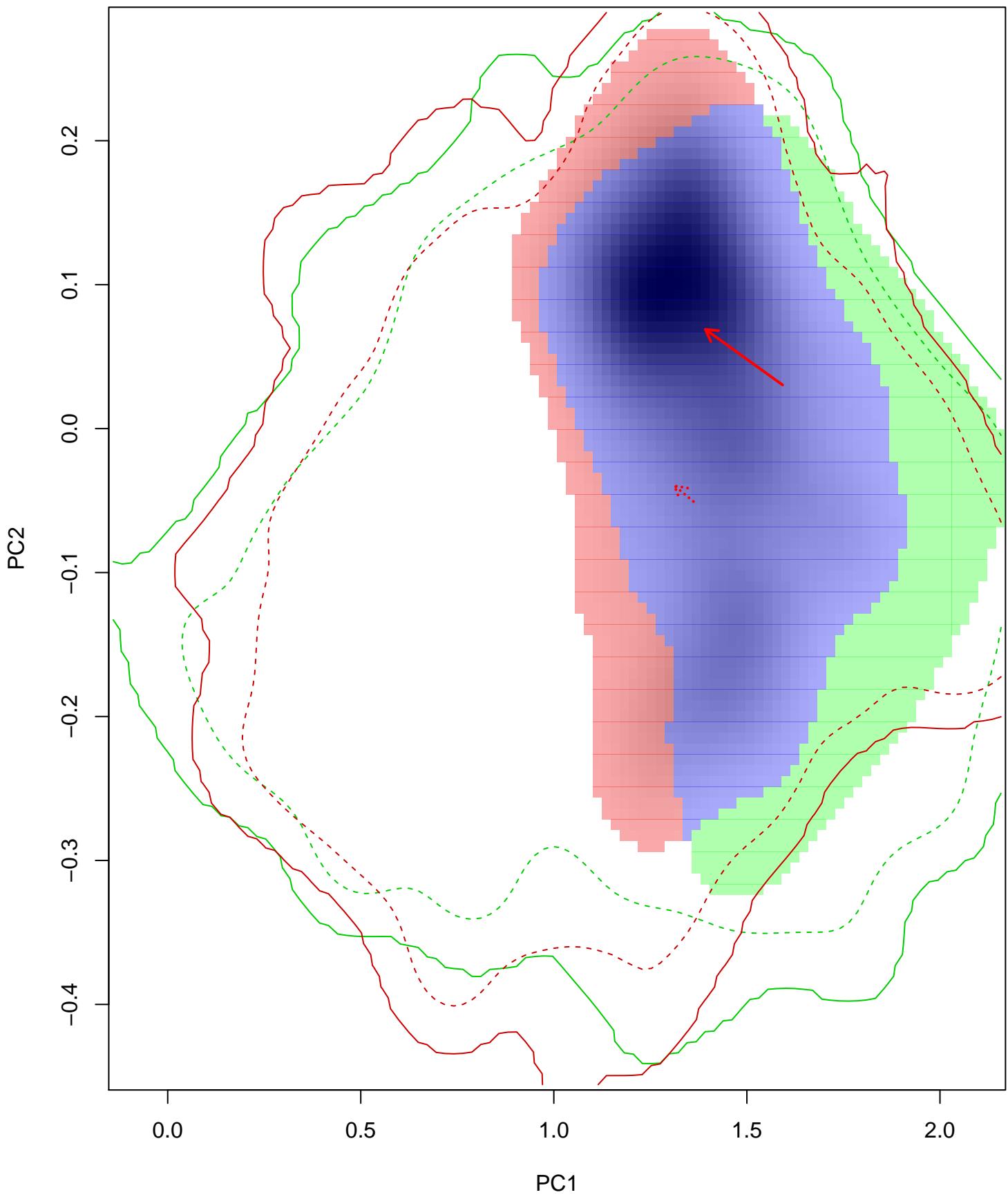
Similarity 2->1



Similarity 1→2

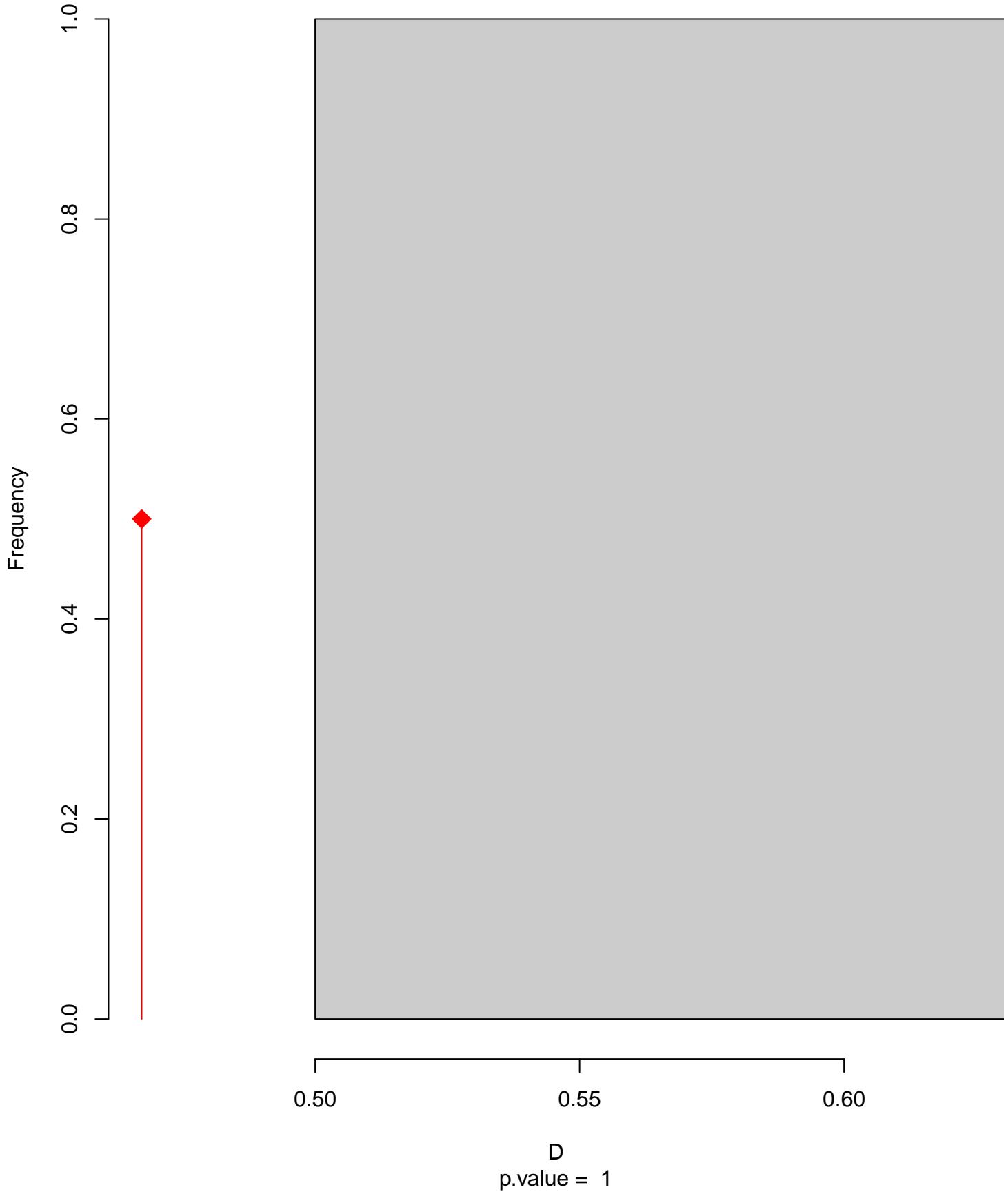


Petrochelidon_preussi seasonal overlap-hypo wi

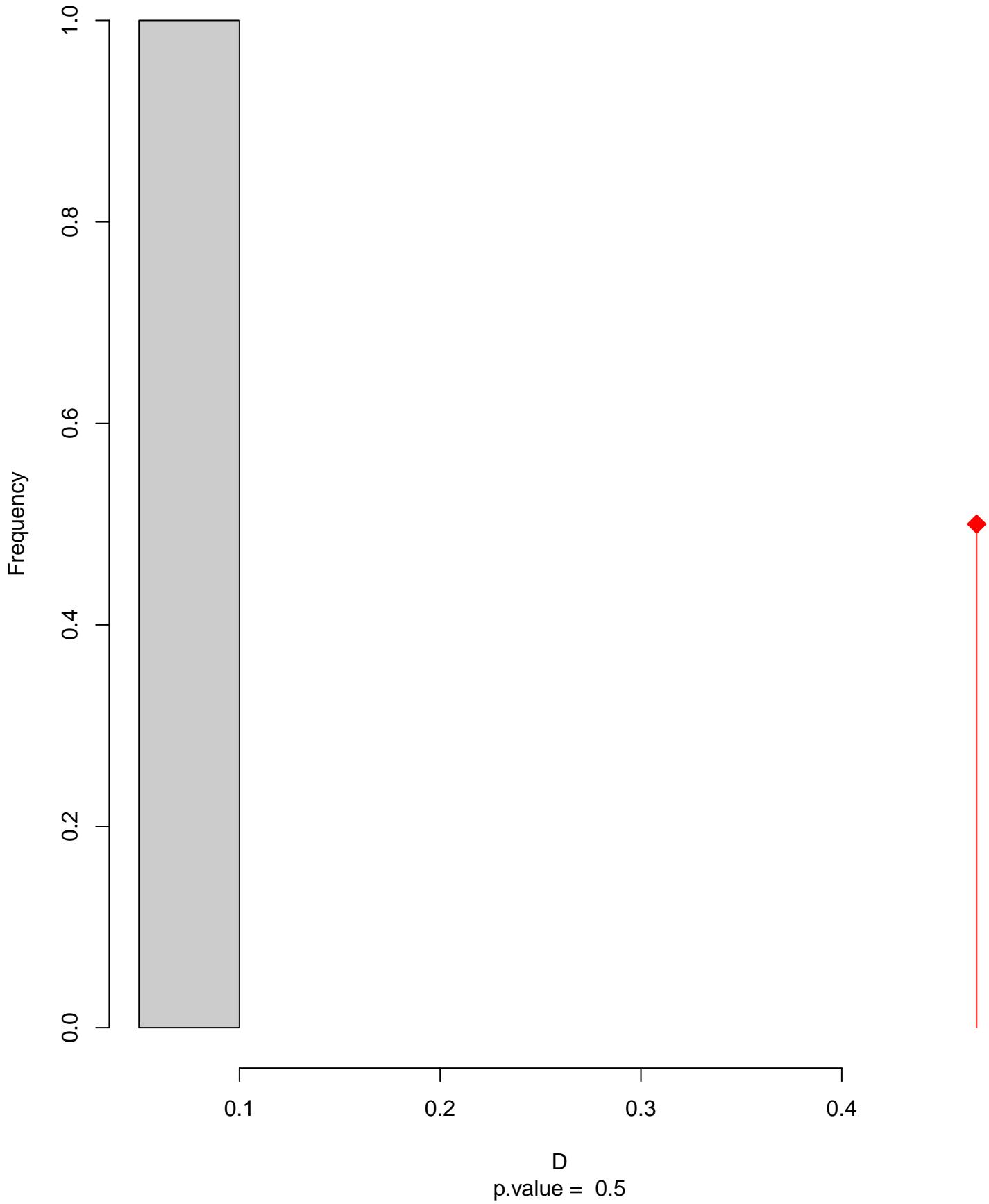


niche overlap:
 $D = 0.467$

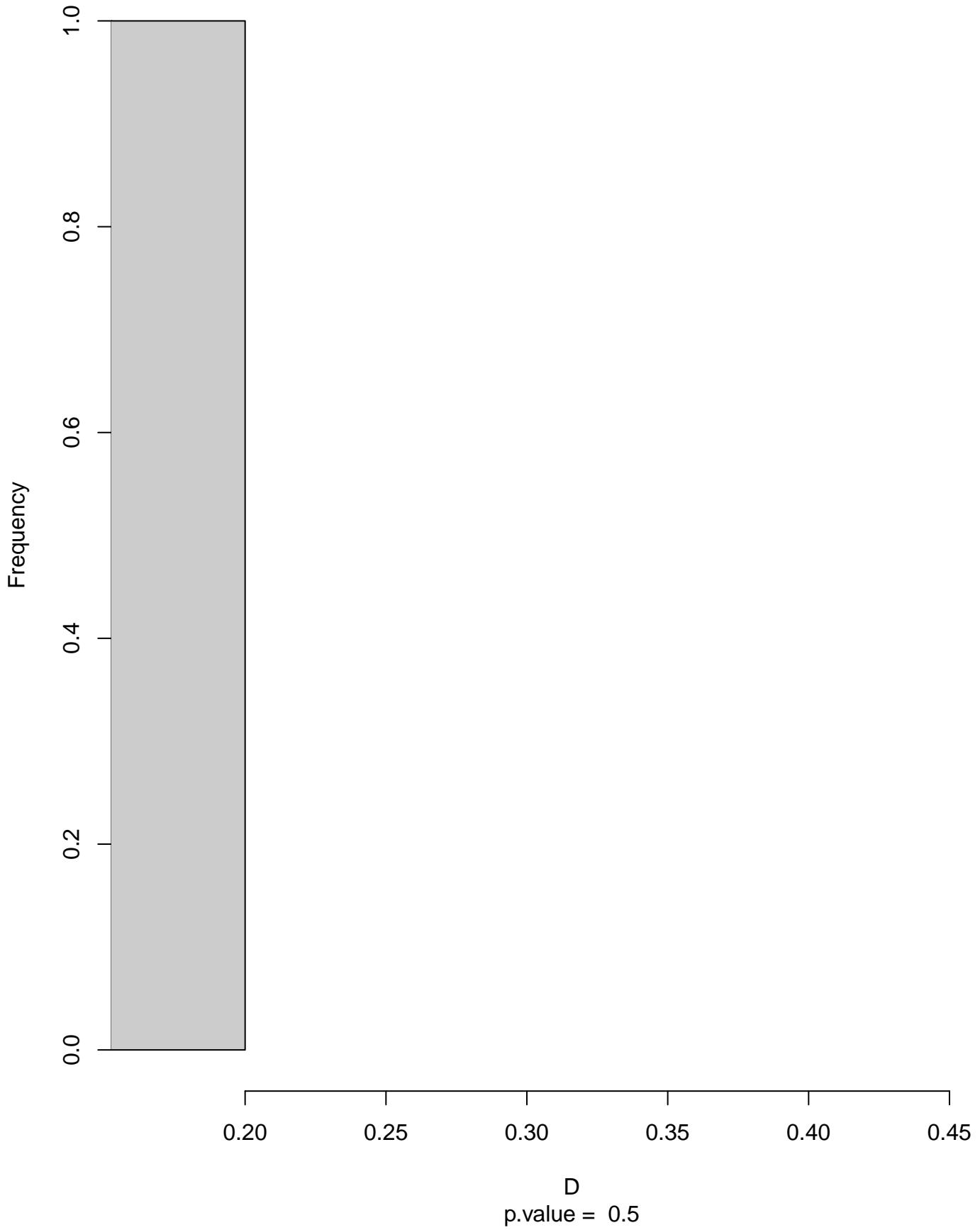
Equivalency



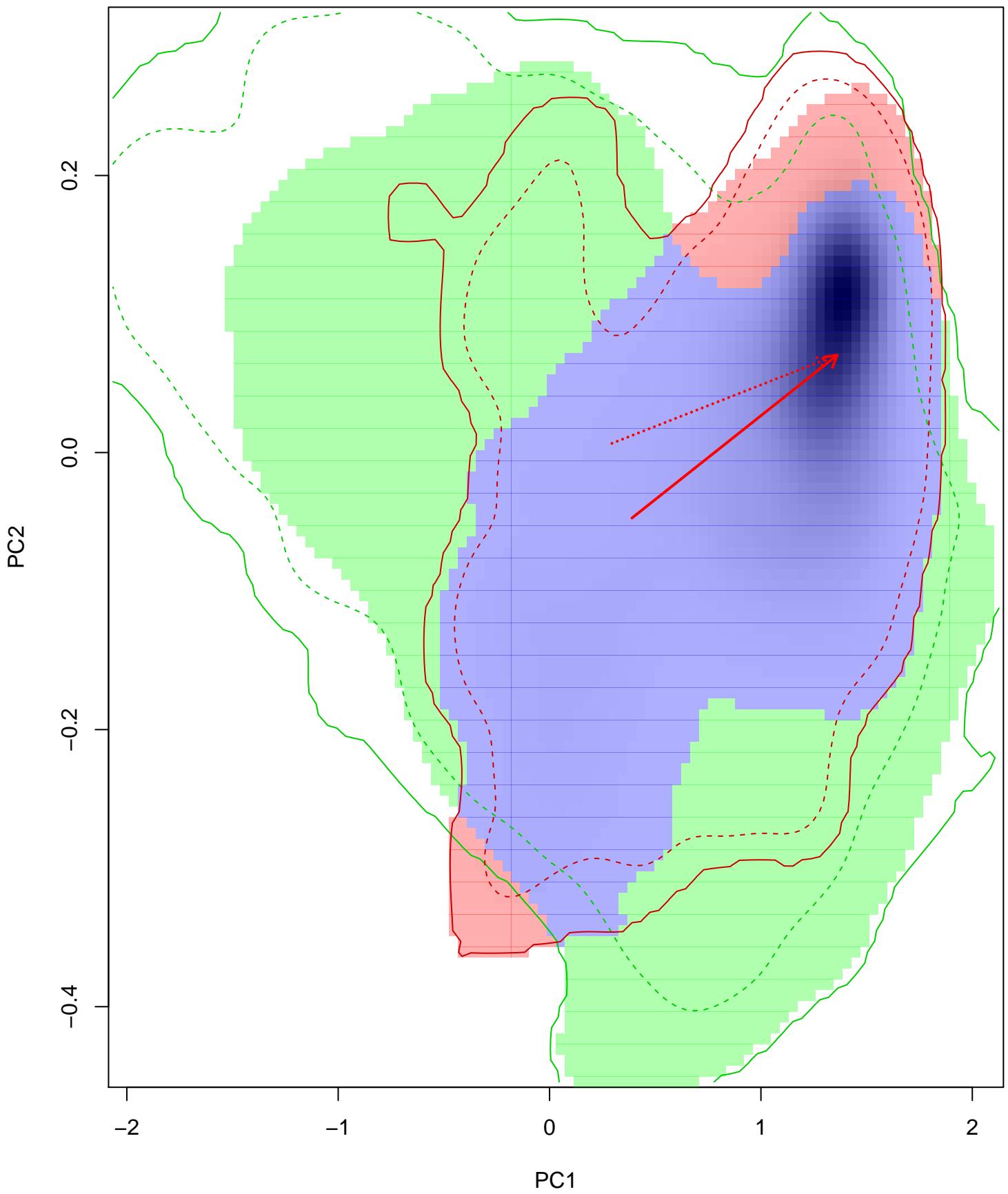
Similarity 2->1



Similarity 1→2

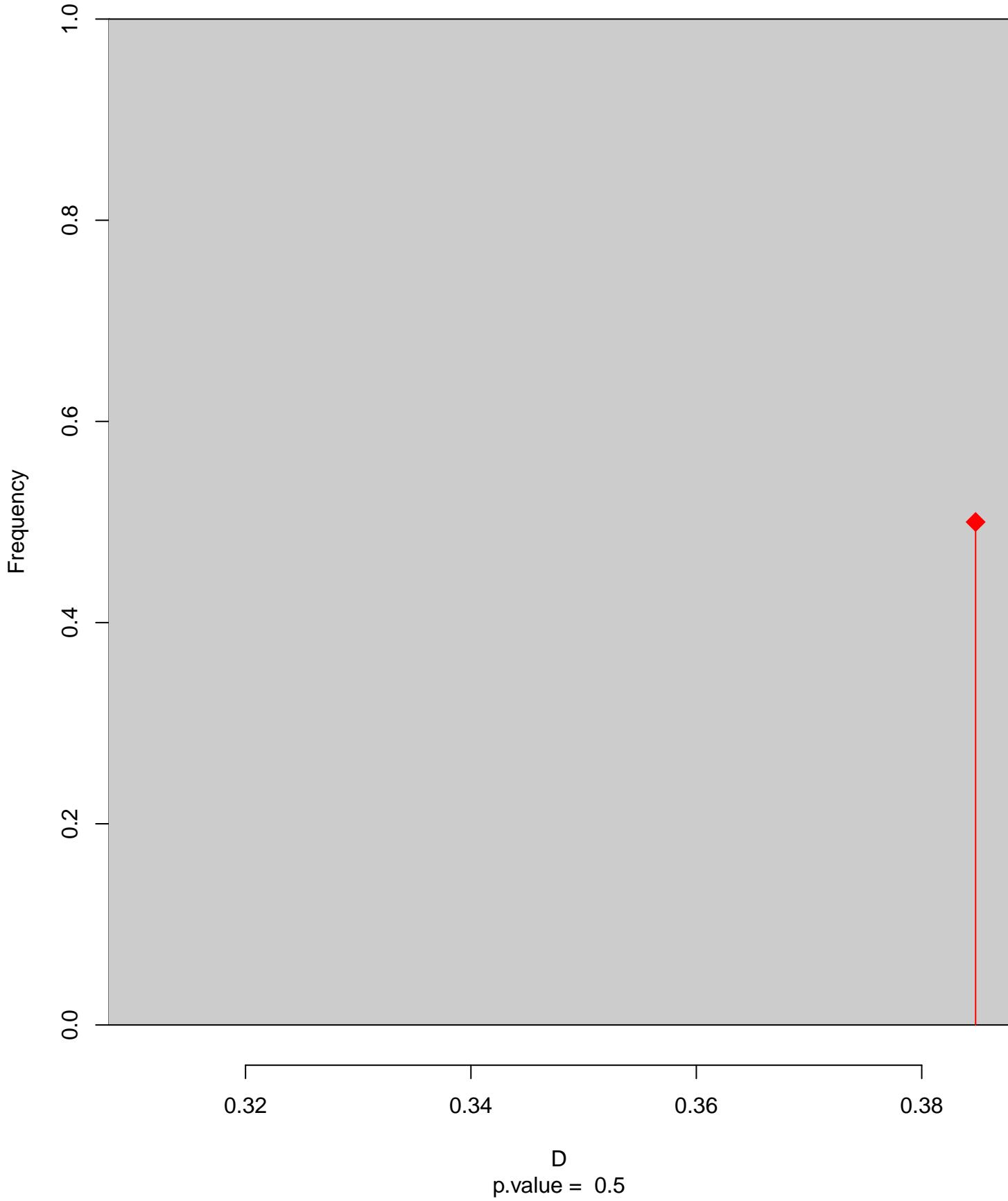


Petrochelidon_pyrrhonota seasonal overlap

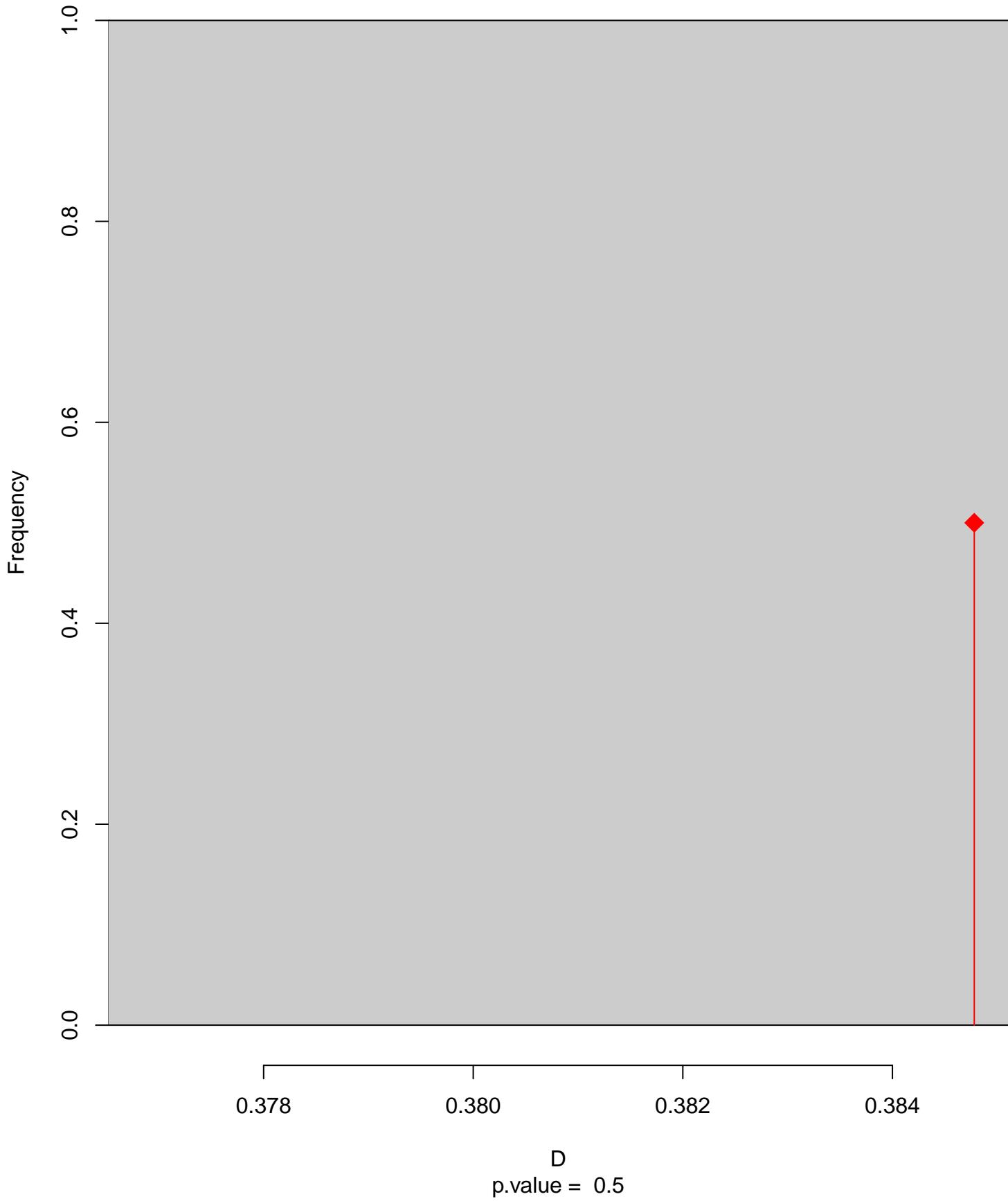


niche overlap:
 $D = 0.385$

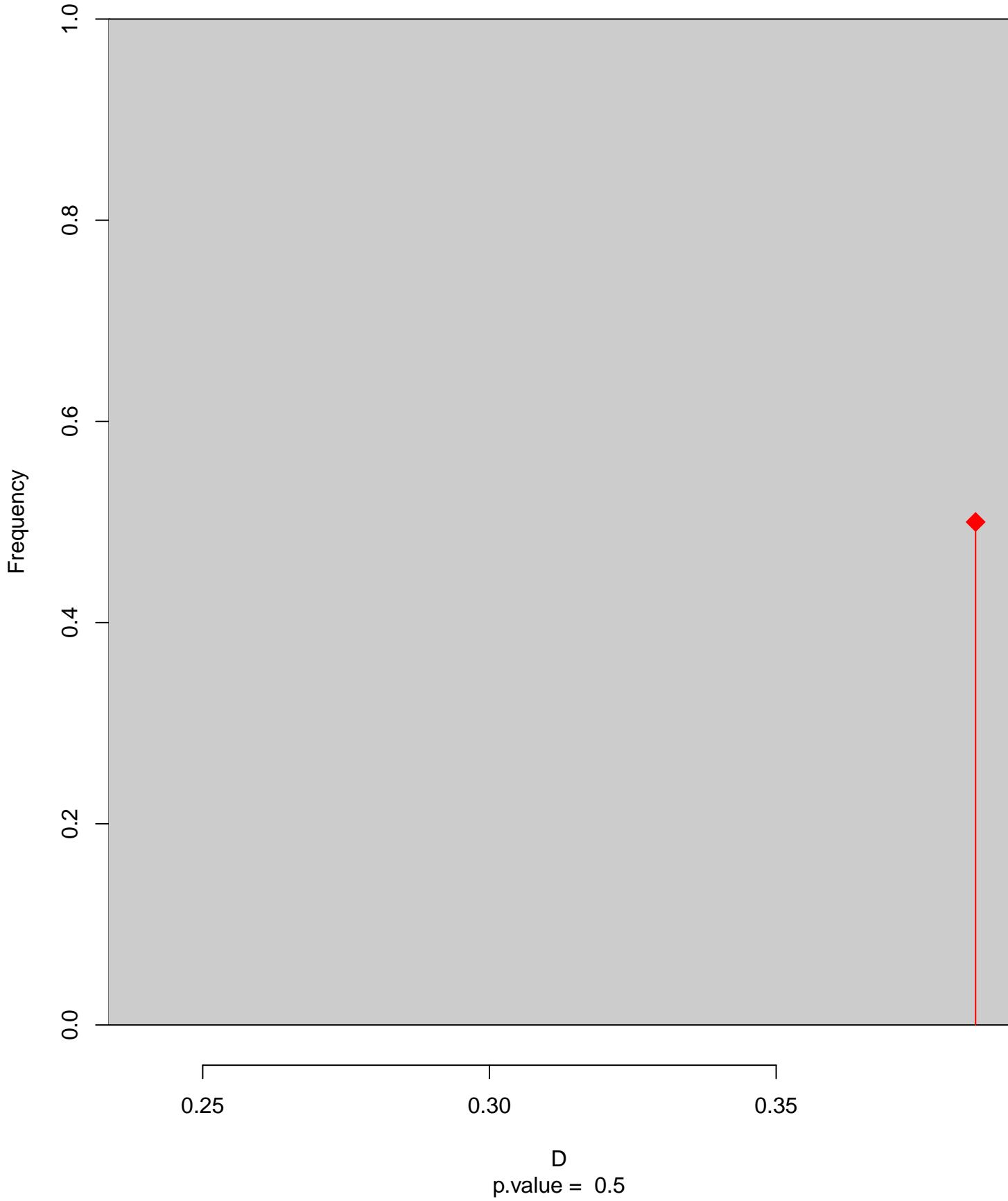
Equivalency



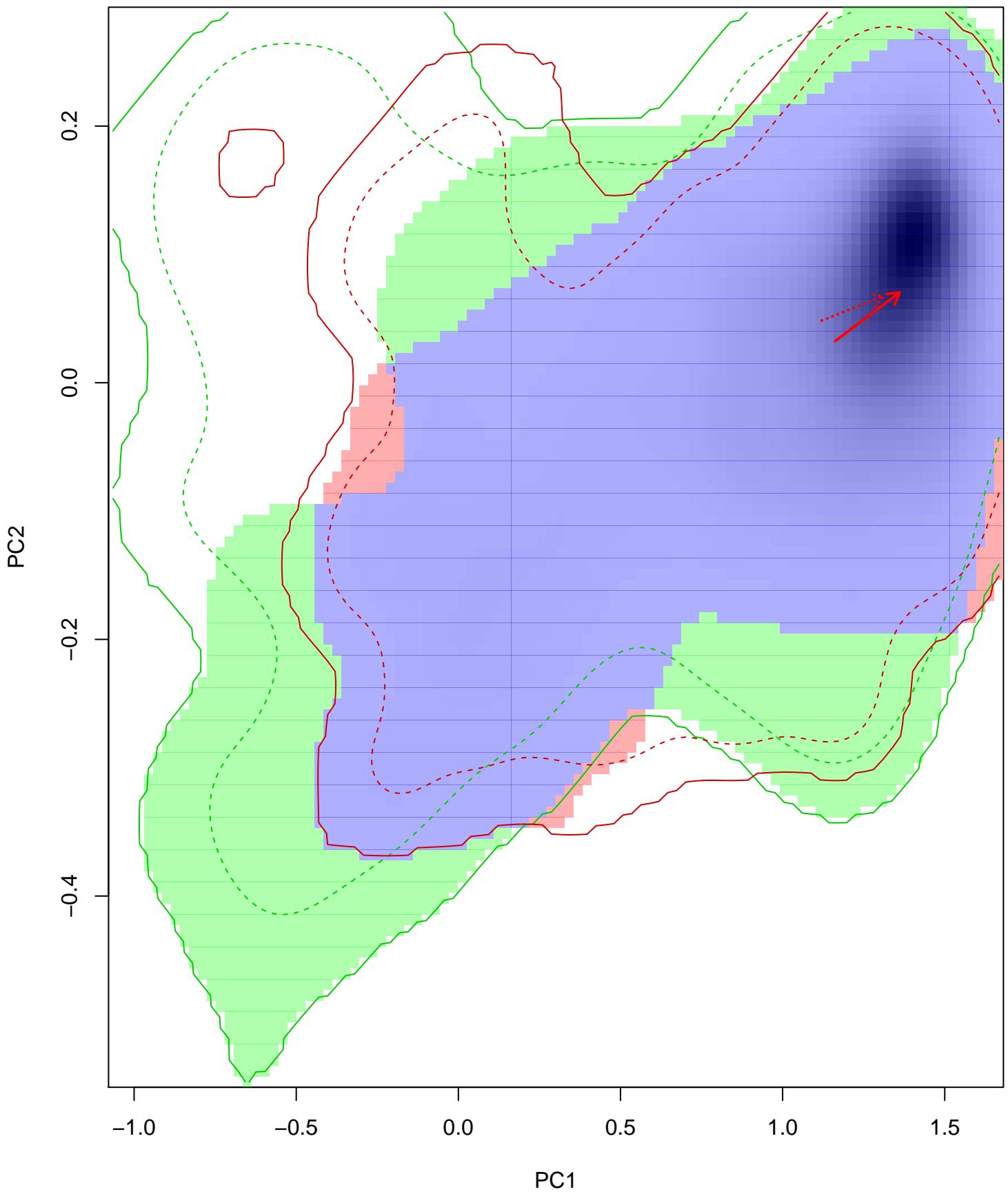
Similarity 2->1



Similarity 1→2

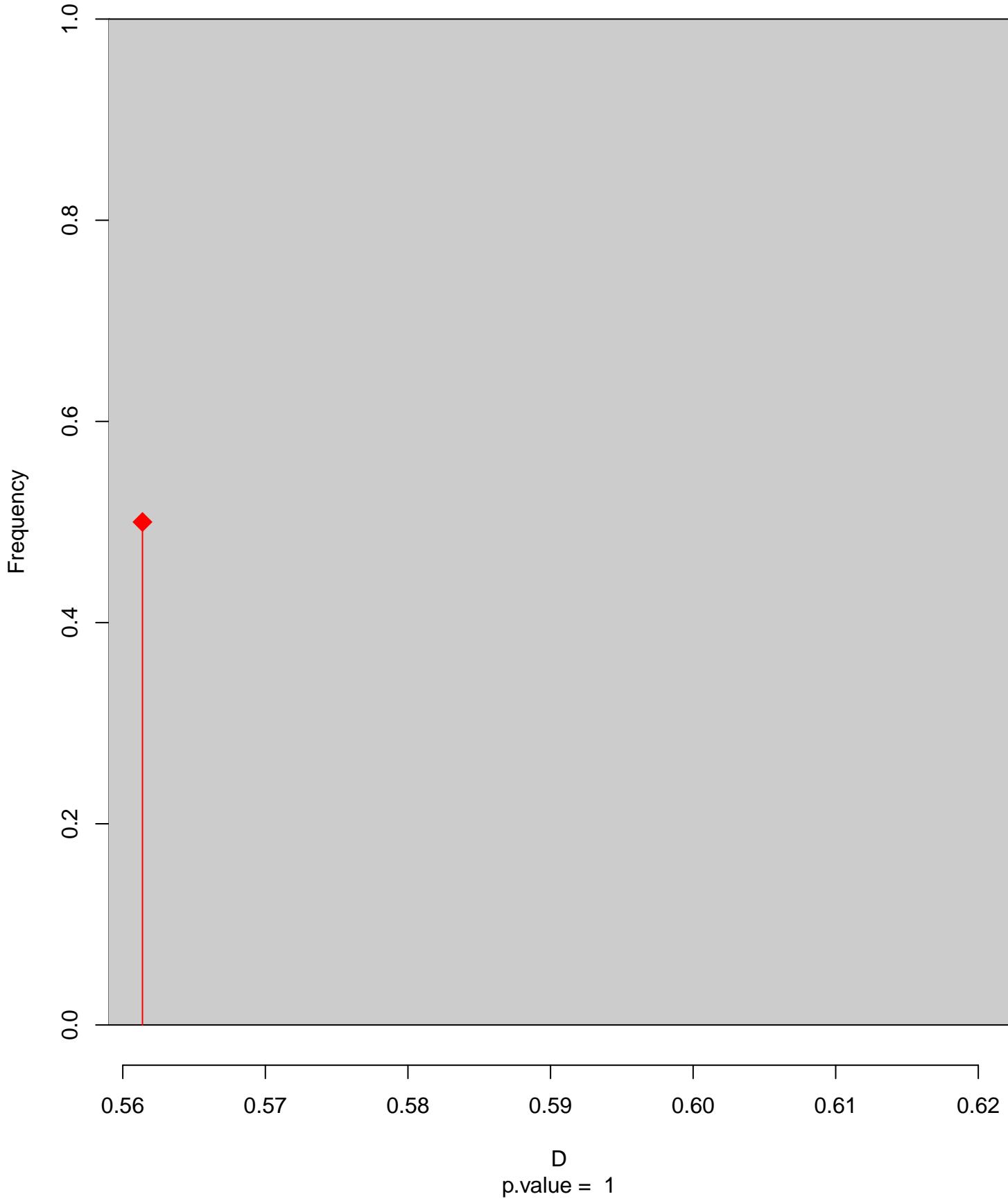


Petrochelidon_pyrrhonota seasonal overlap-hypo.br

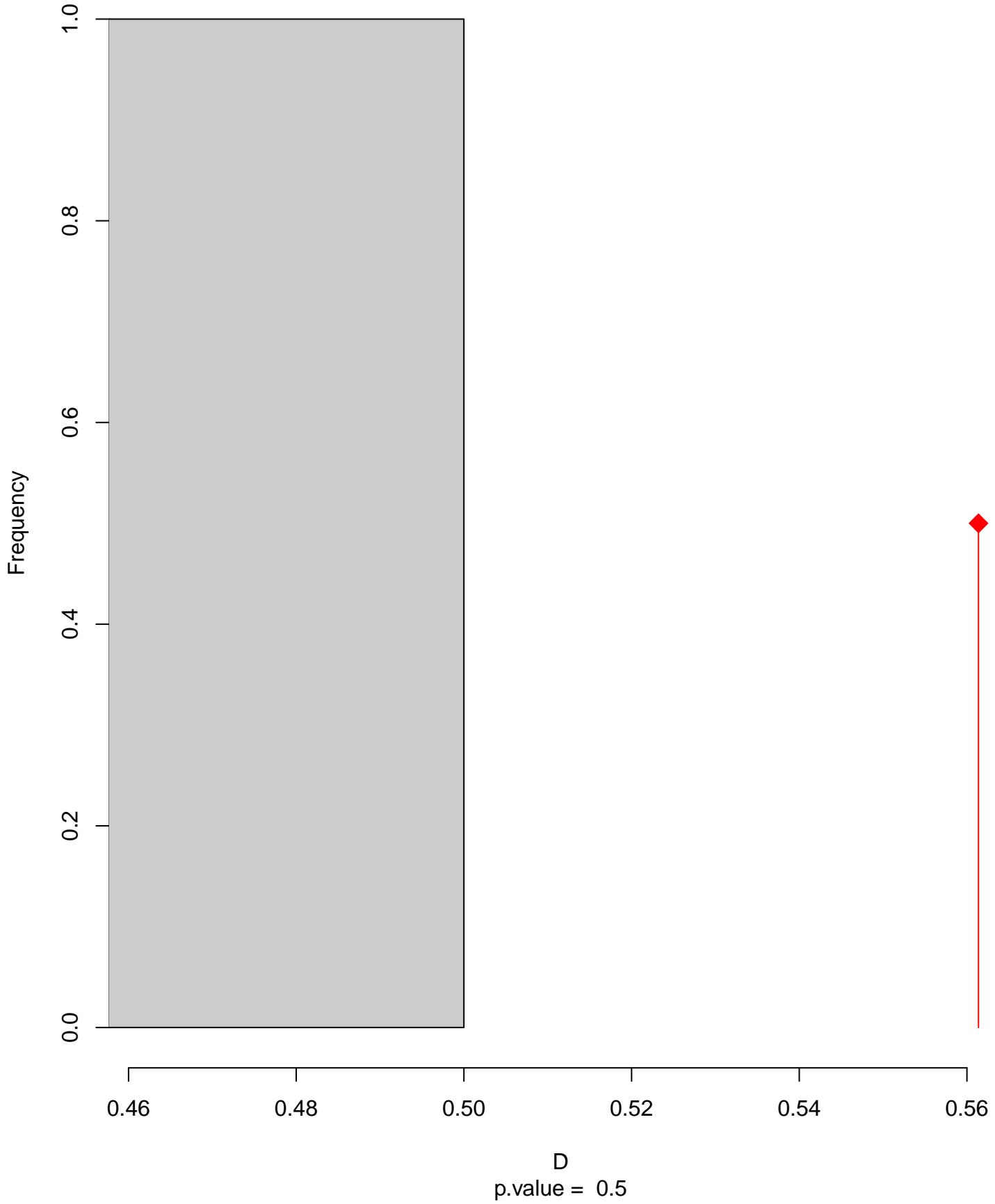


niche overlap:
 $D = 0.561$

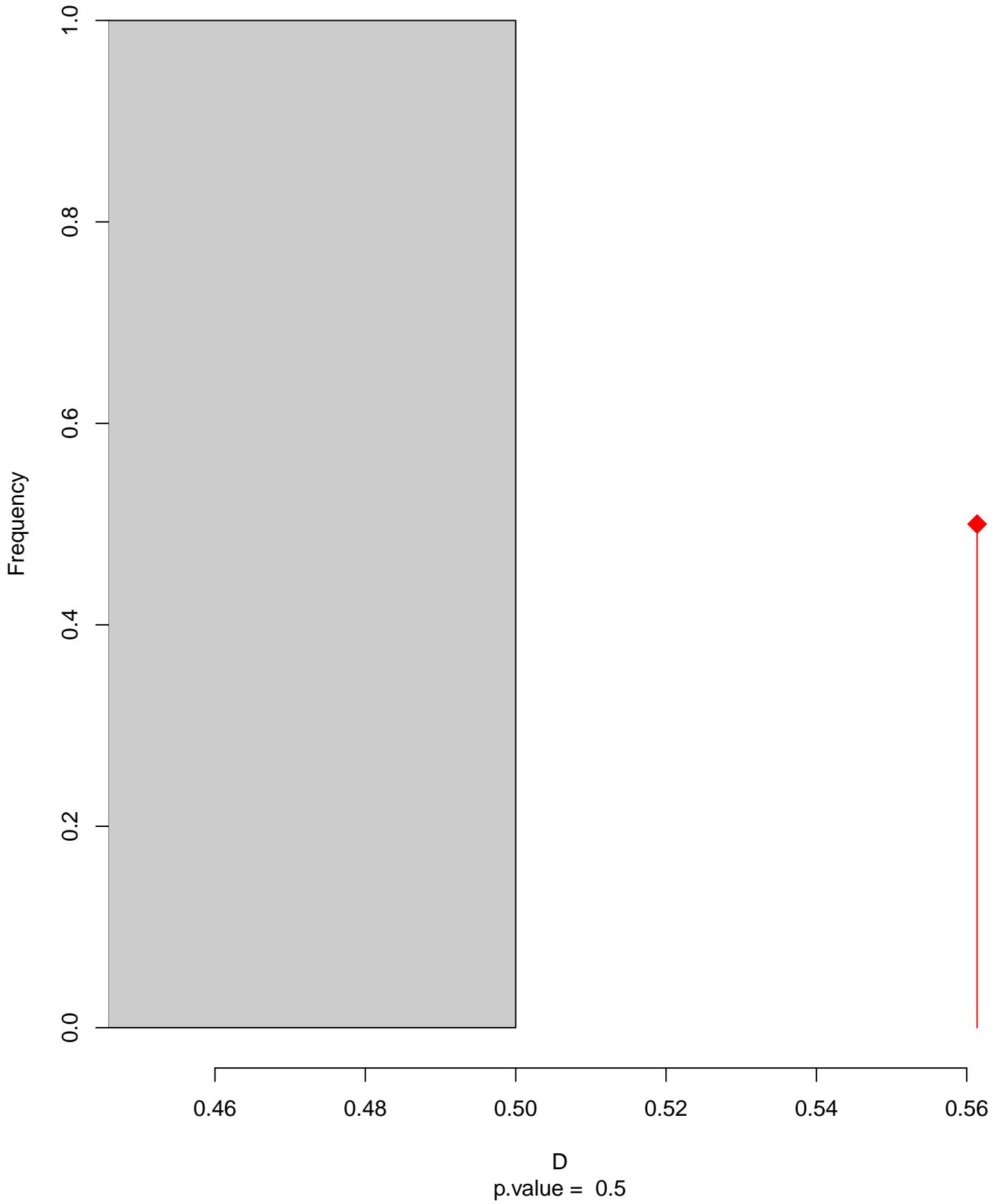
Equivalency



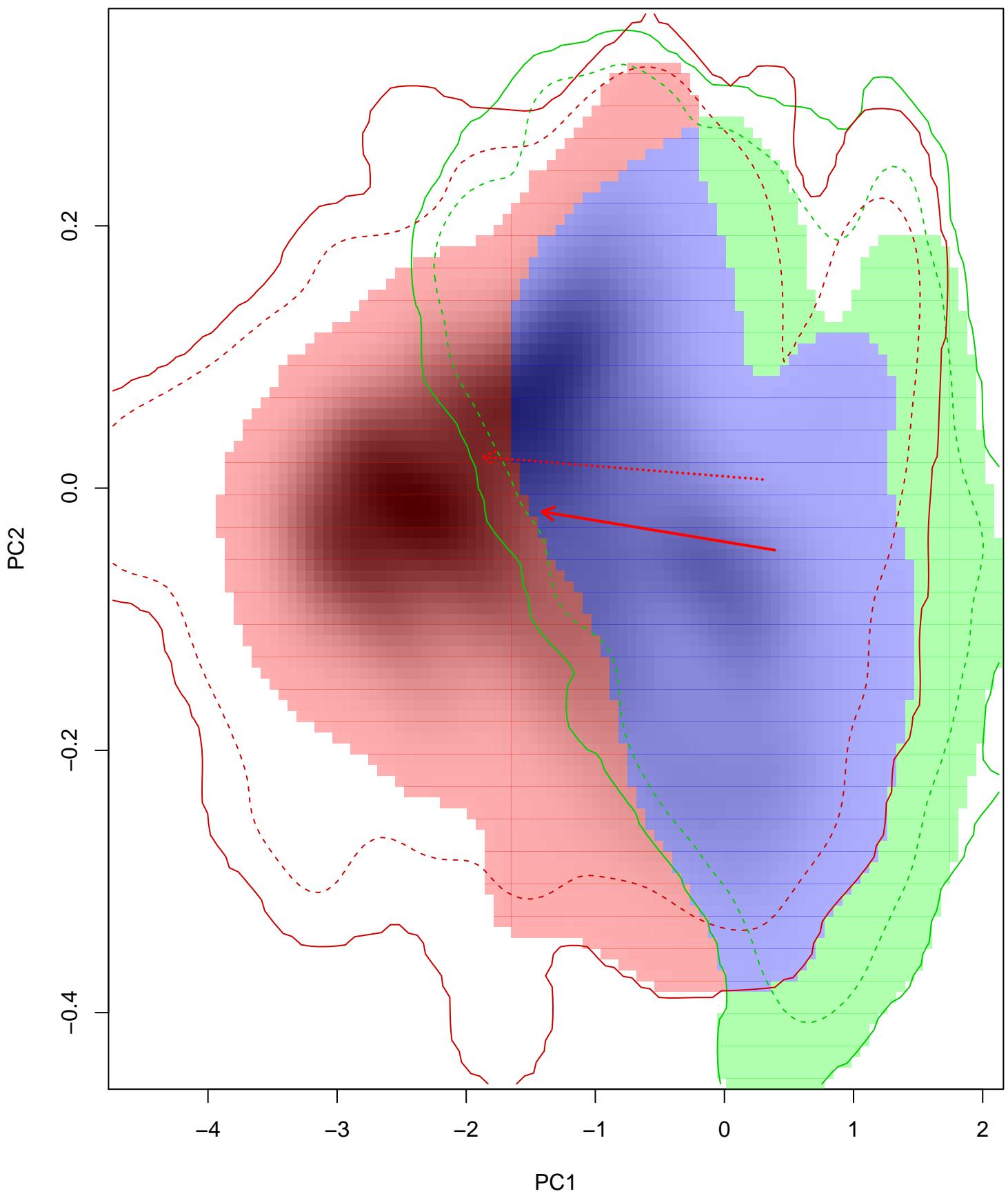
Similarity 2->1



Similarity 1→2

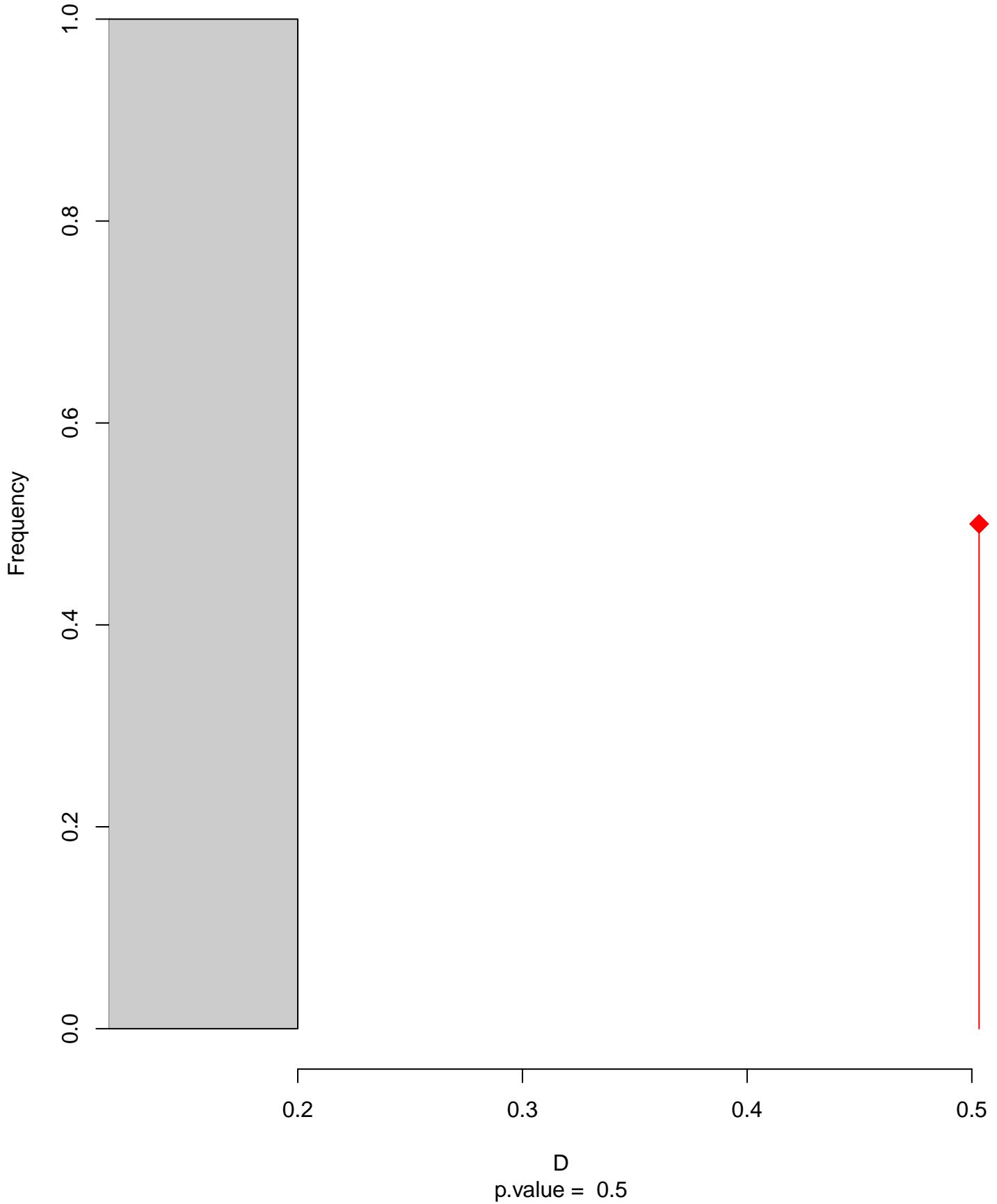


Petrochelidon_pyrrhonota seasonal overlap-hypo wi

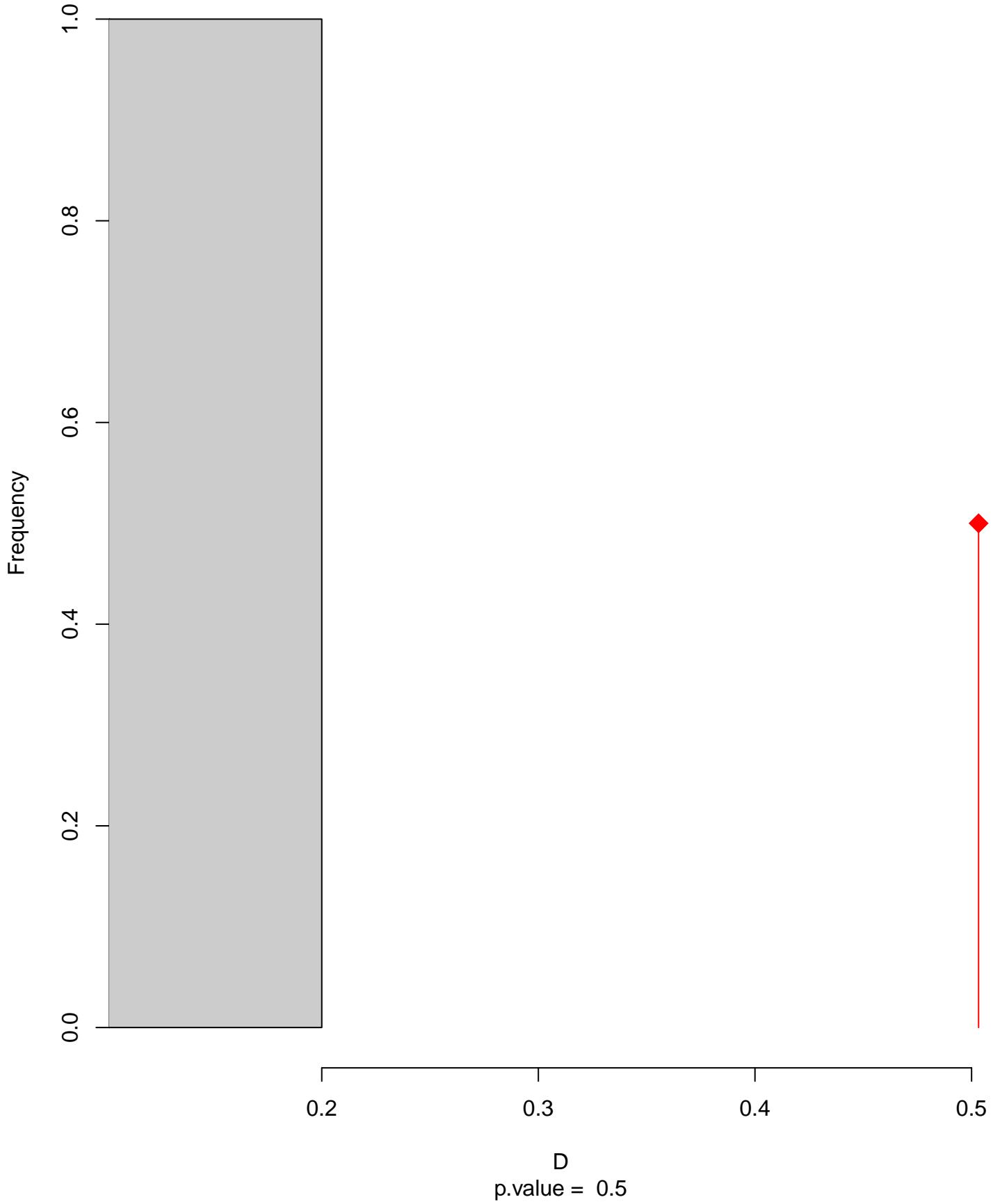


niche overlap:
 $D = 0.503$

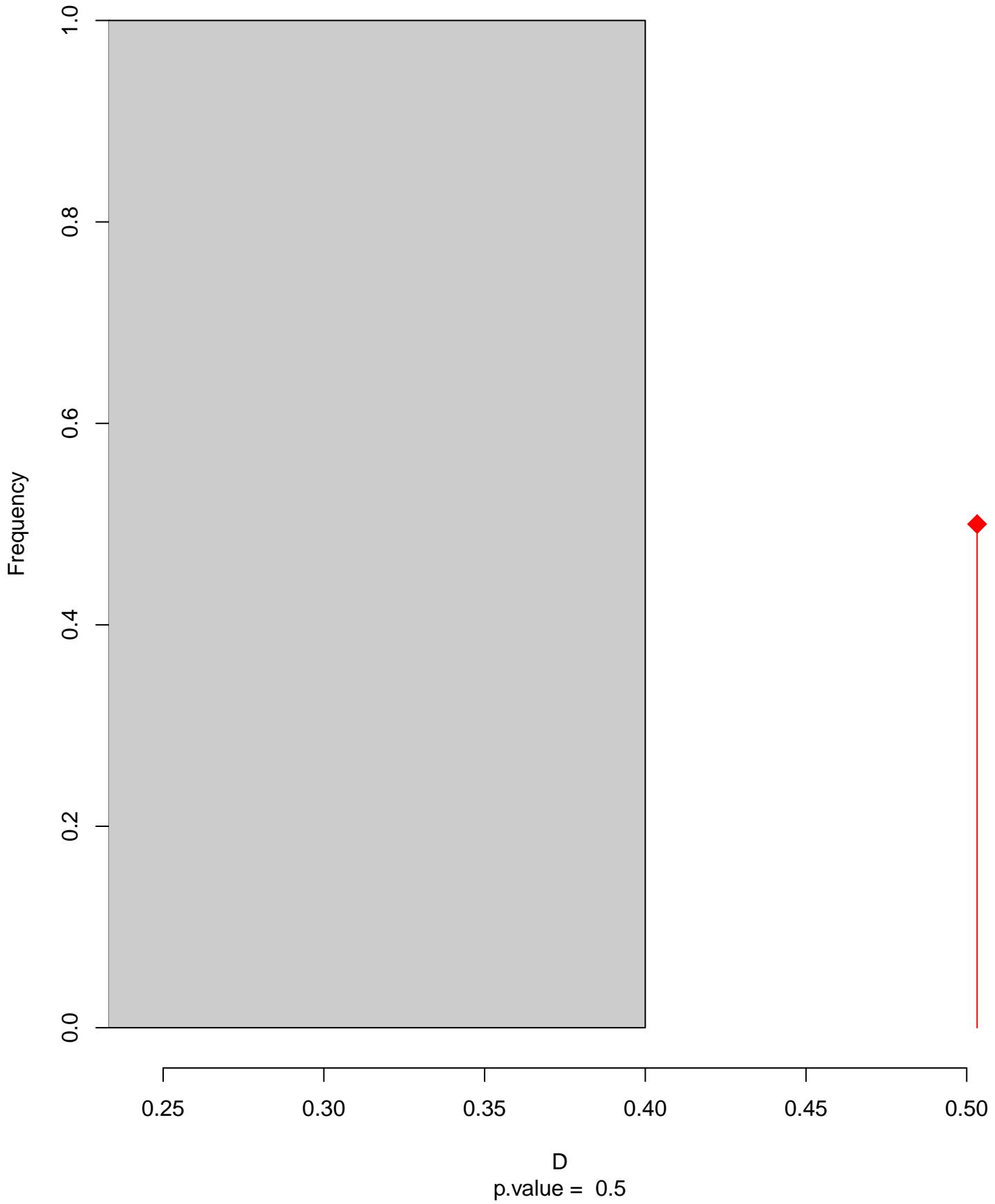
Equivalency



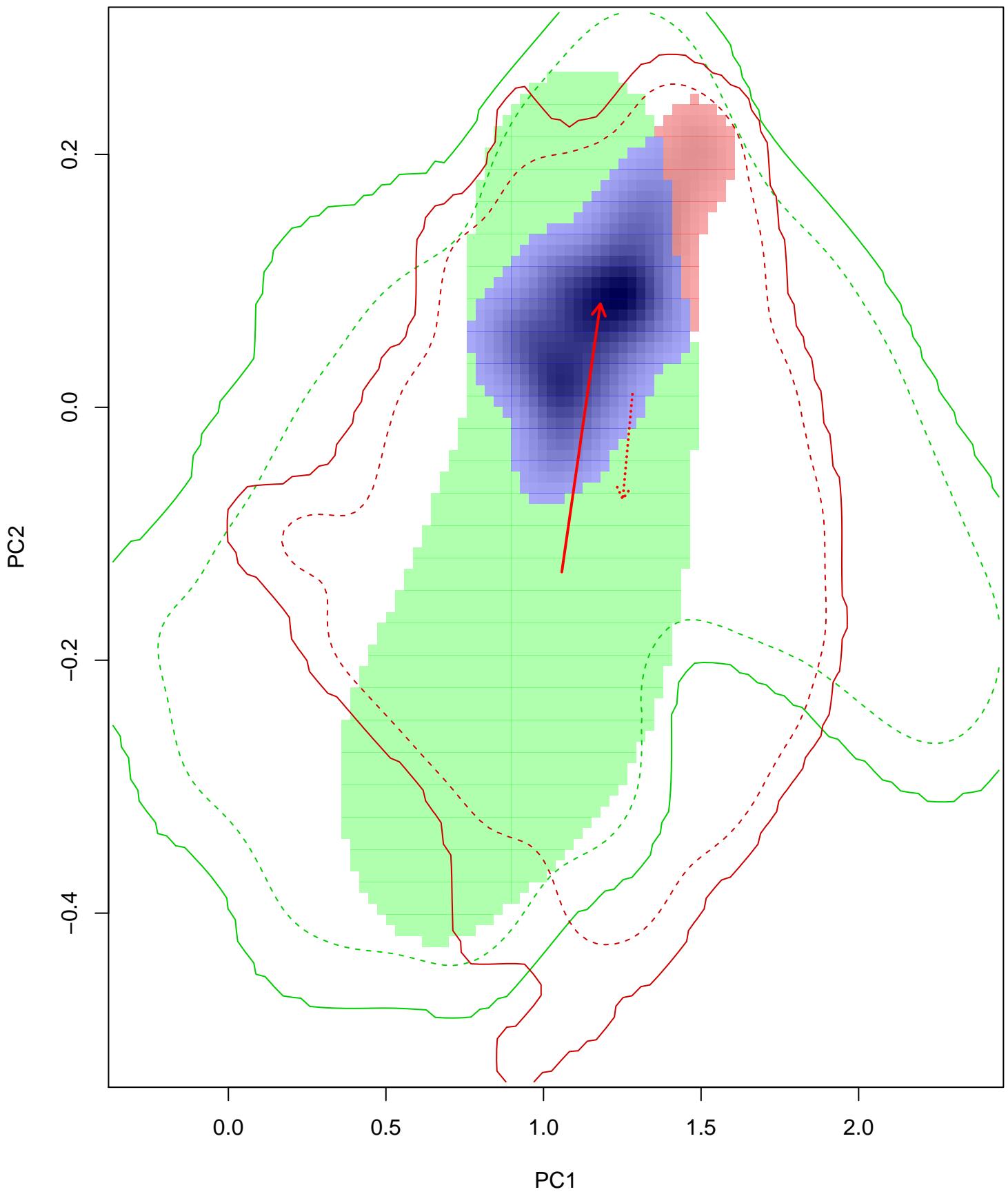
Similarity 2->1



Similarity 1→2

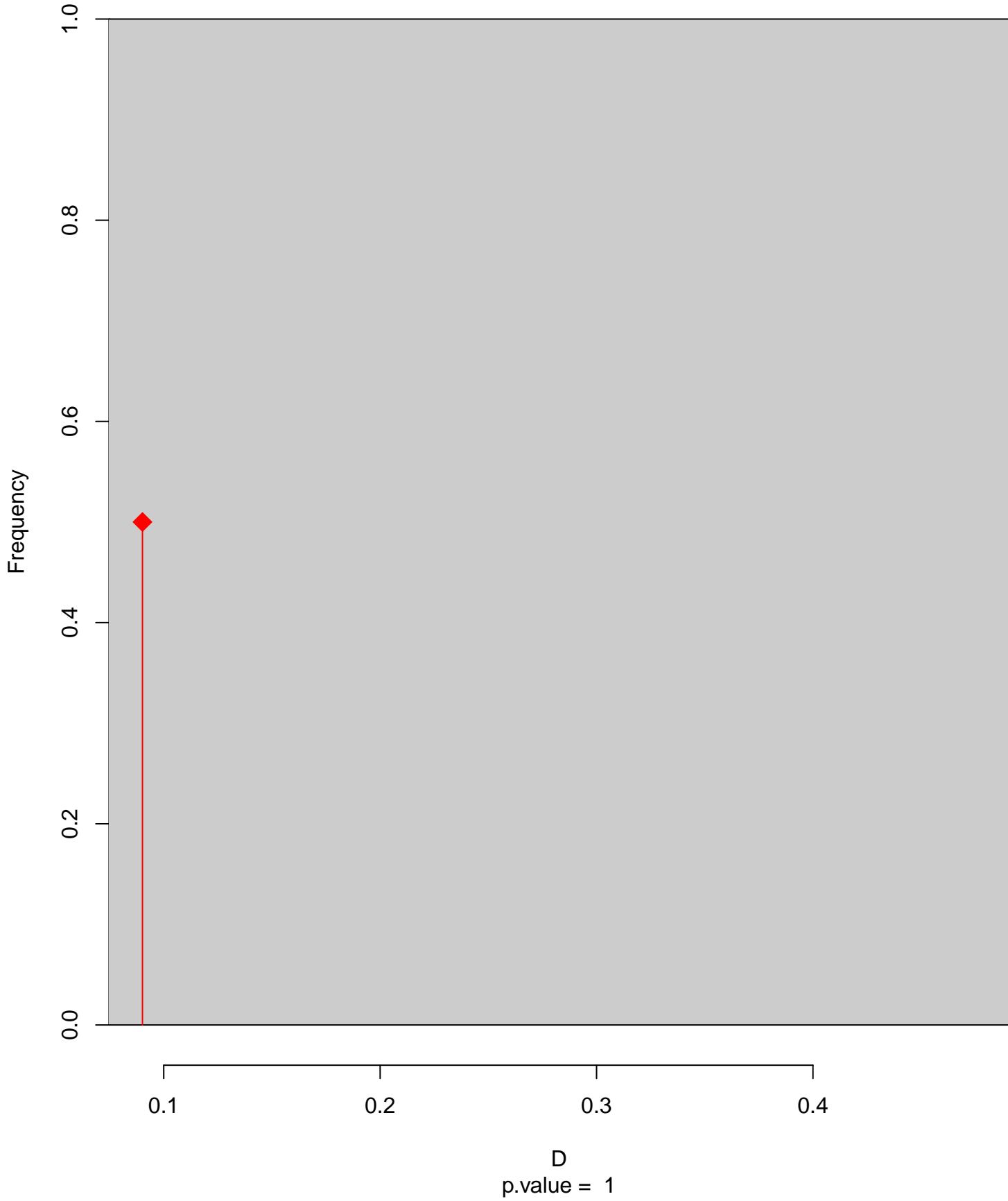


Petrochelidon_rufigula seasonal overlap

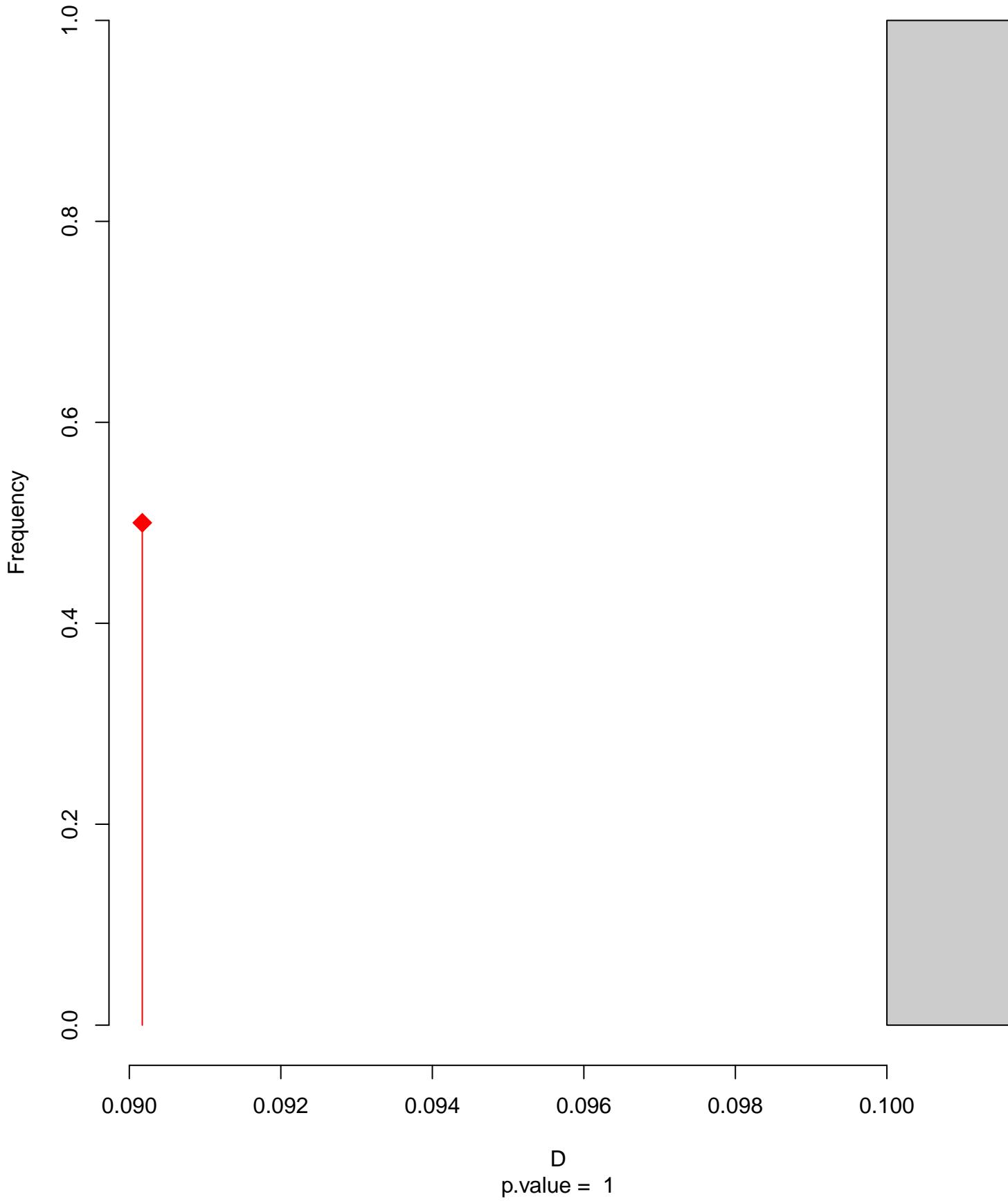


niche overlap:
 $D = 0.09$

Equivalency

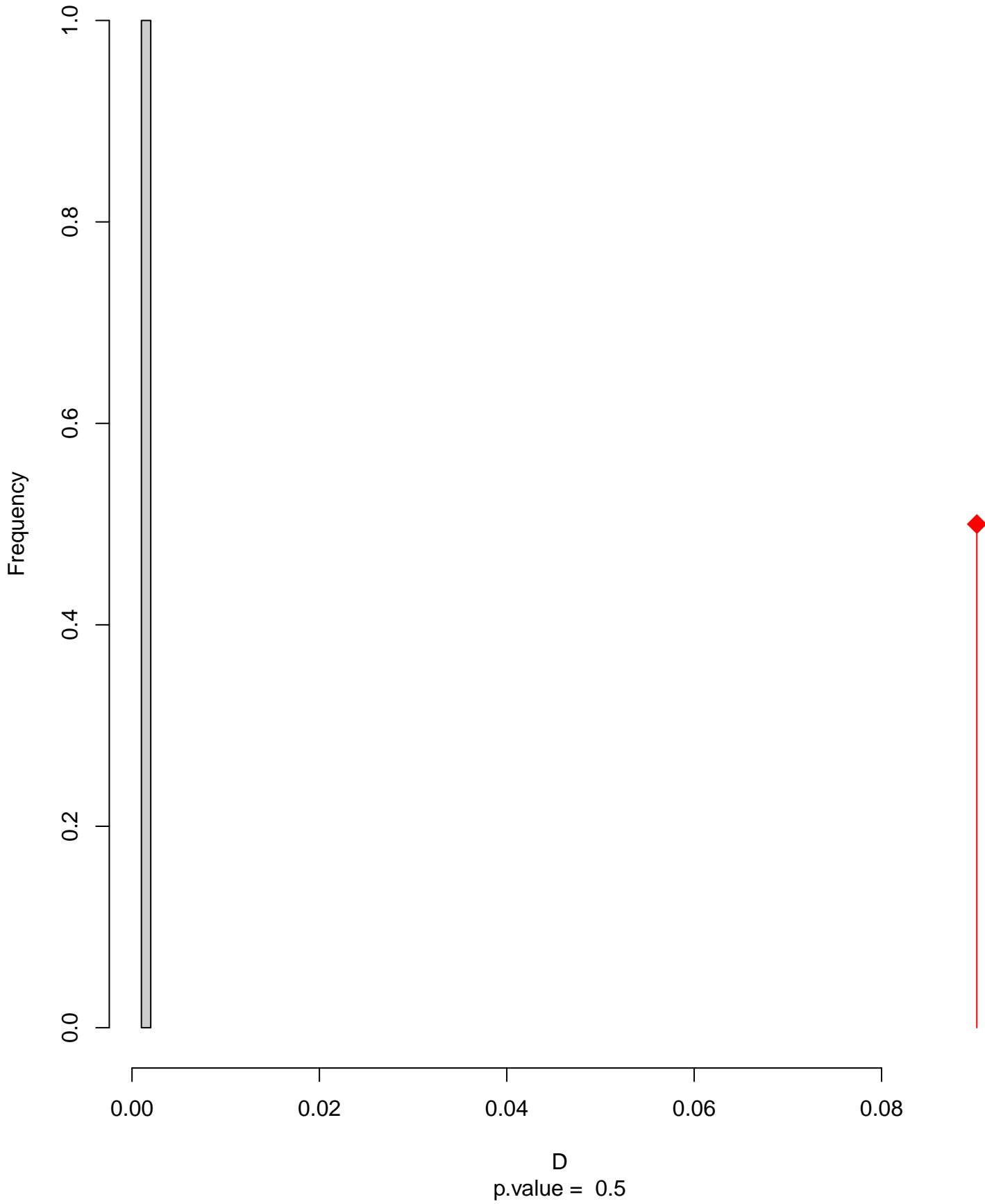


Similarity 2->1

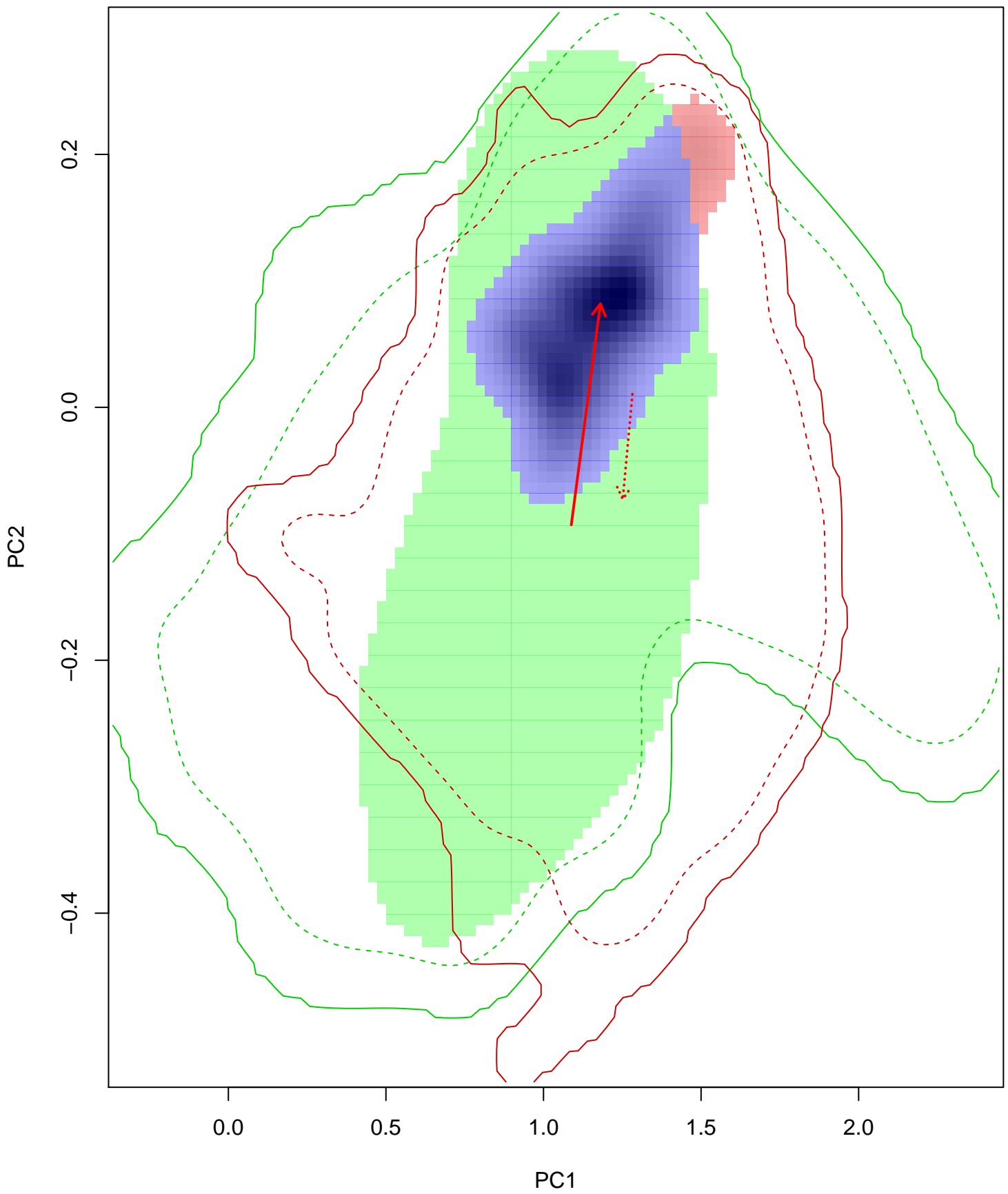


D
p.value = 1

Similarity 1→2

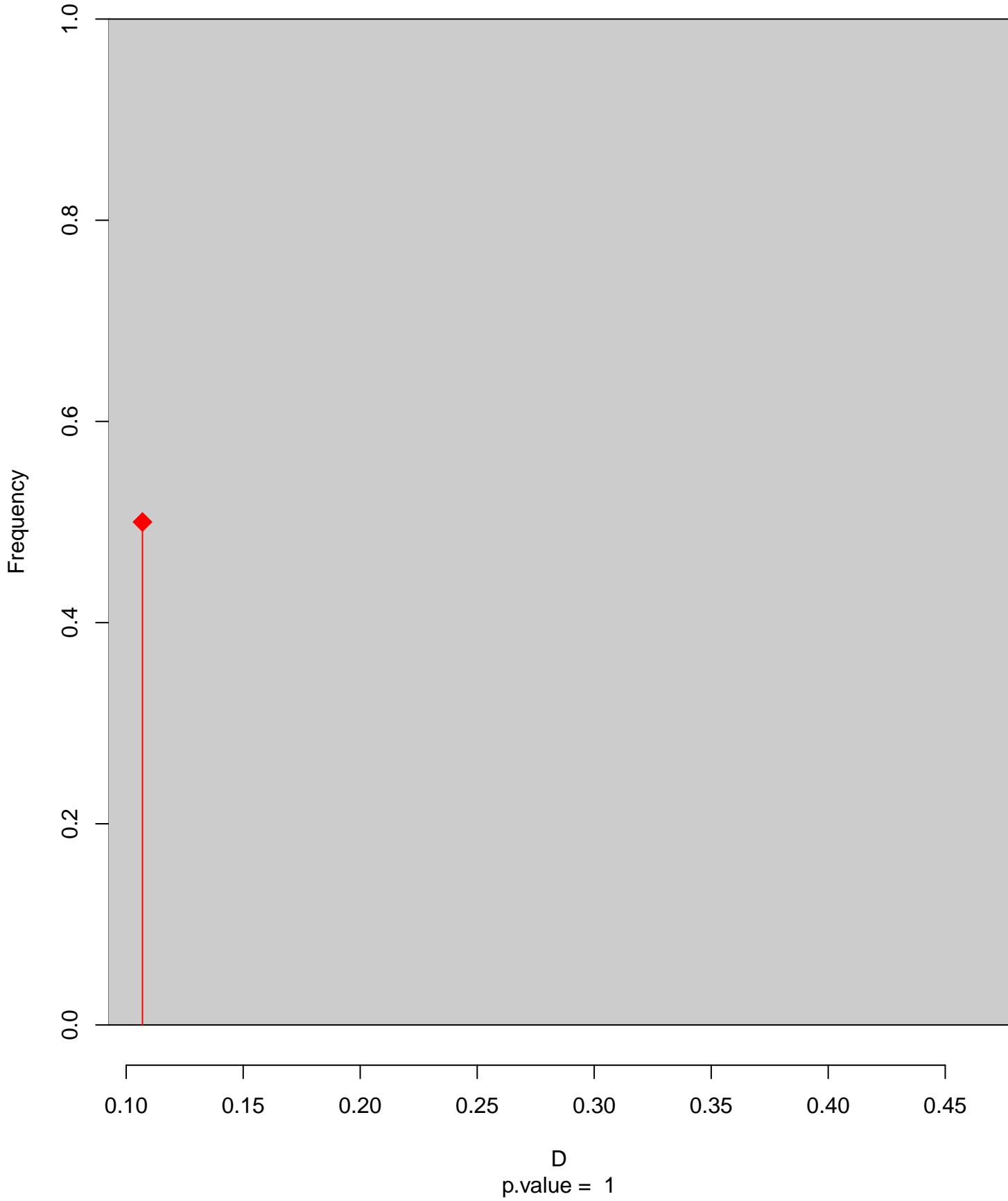


Petrochelidon_rufigula seasonal overlap-hypo.br

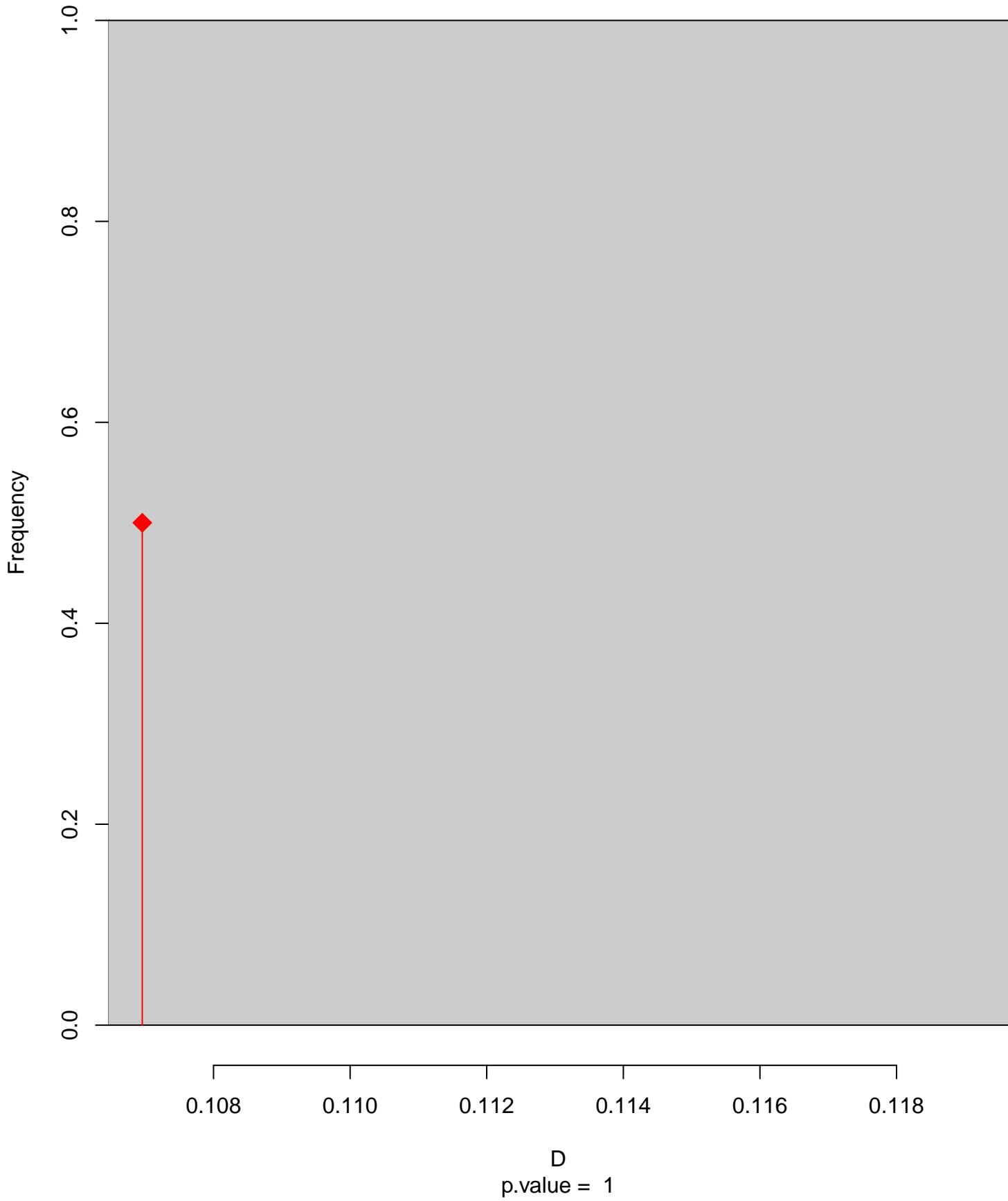


niche overlap:
 $D = 0.107$

Equivalency

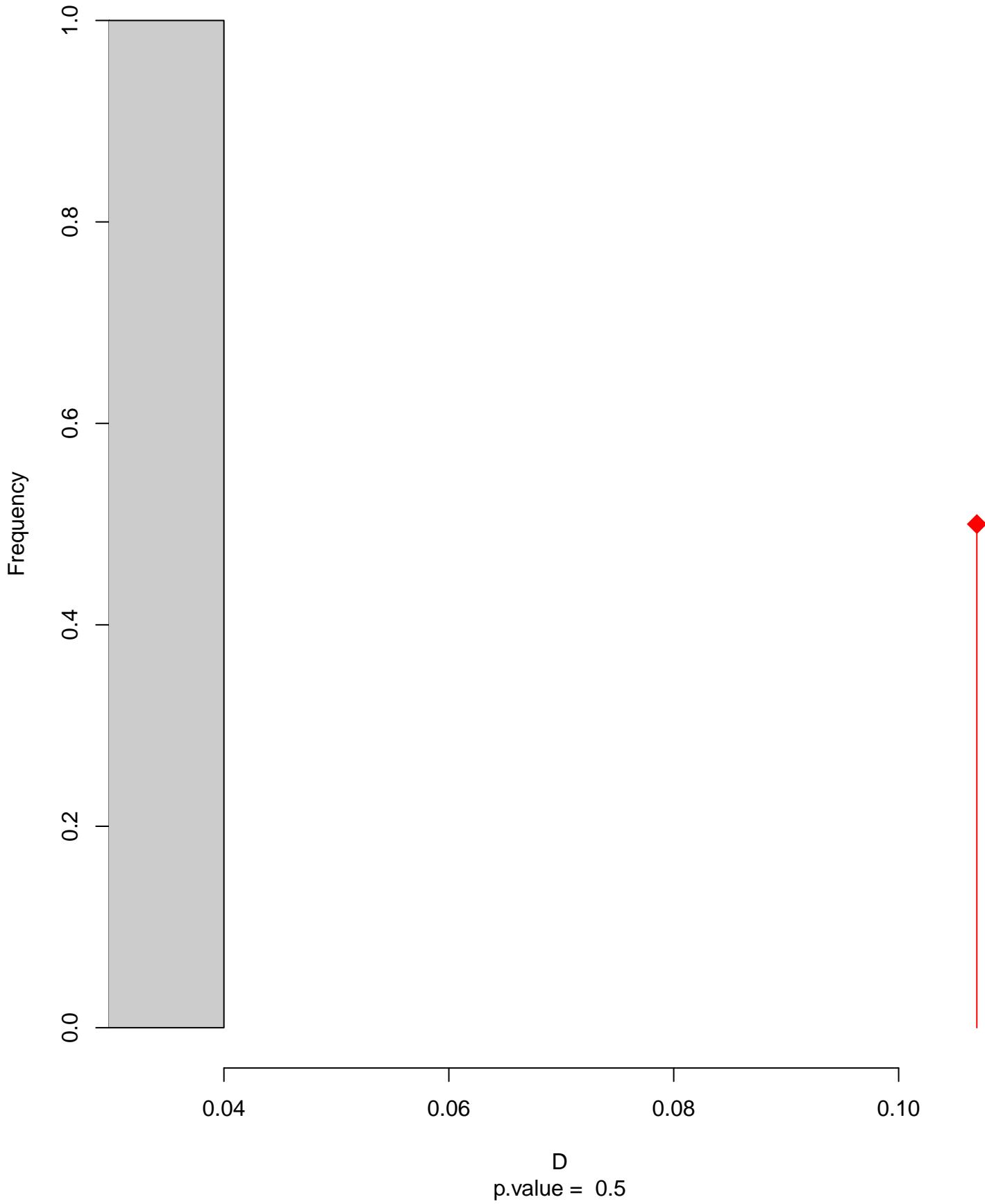


Similarity 2->1

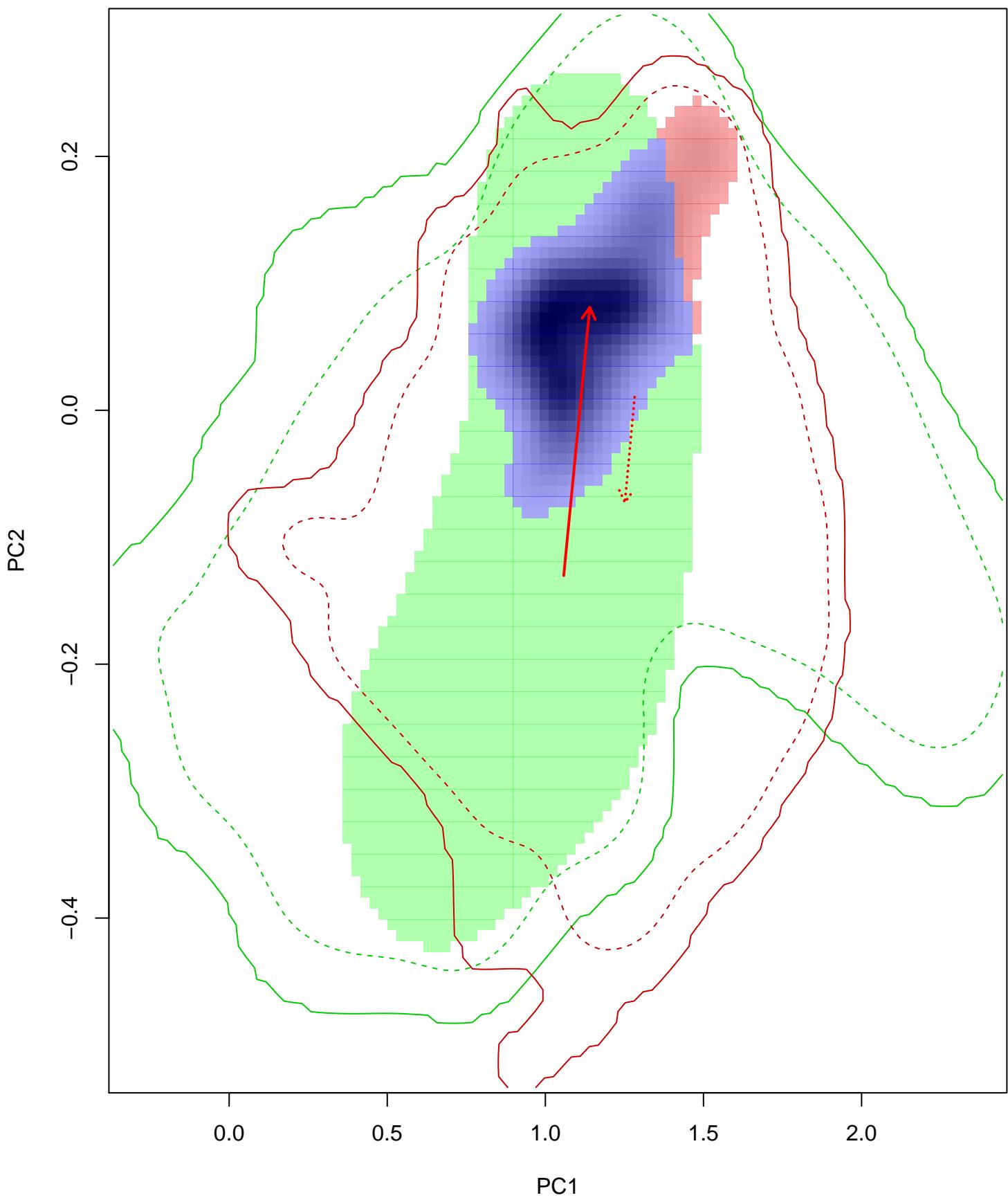


D
p.value = 1

Similarity 1→2

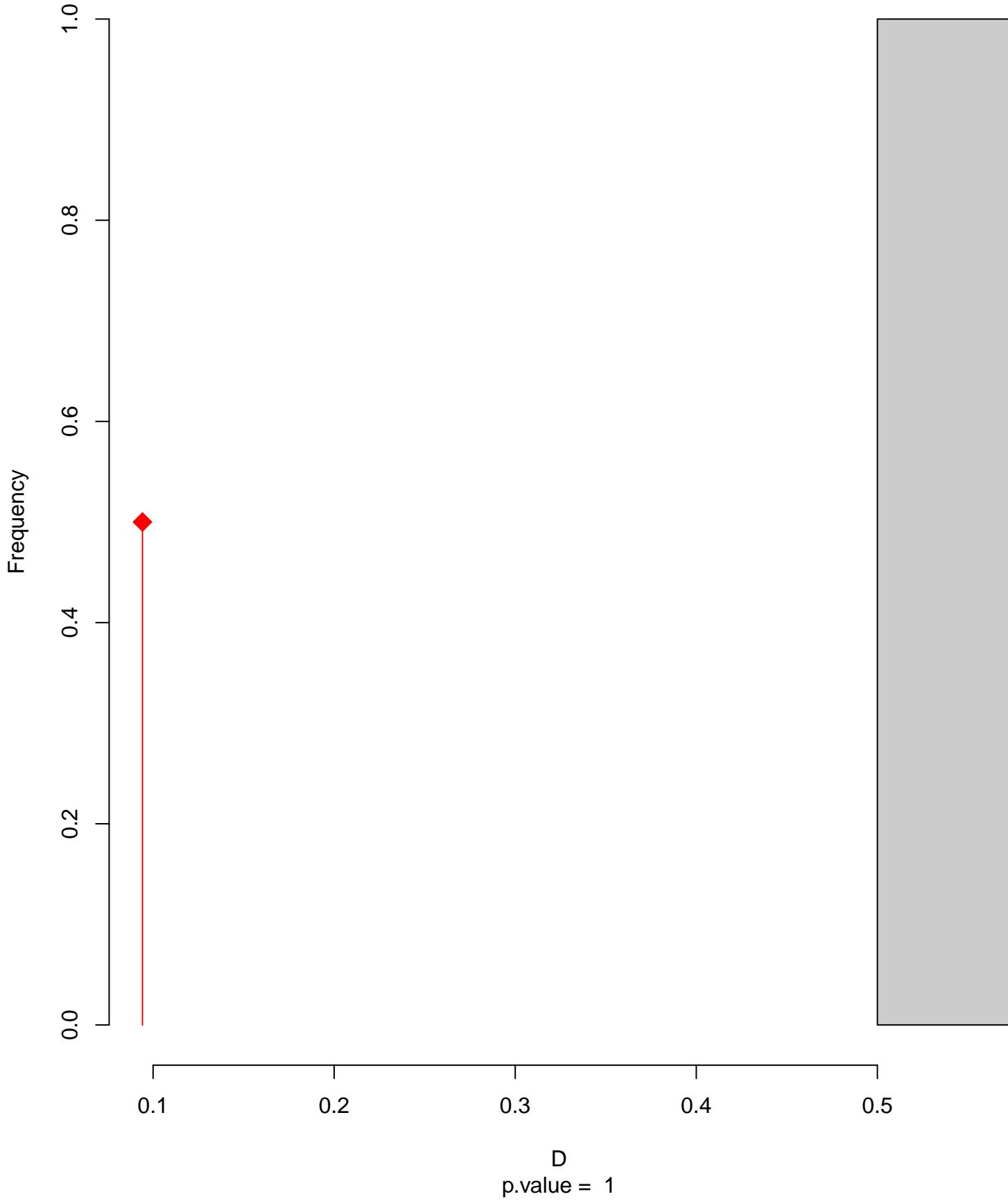


Petrochelidon_rufigula seasonal overlap-hypo wi

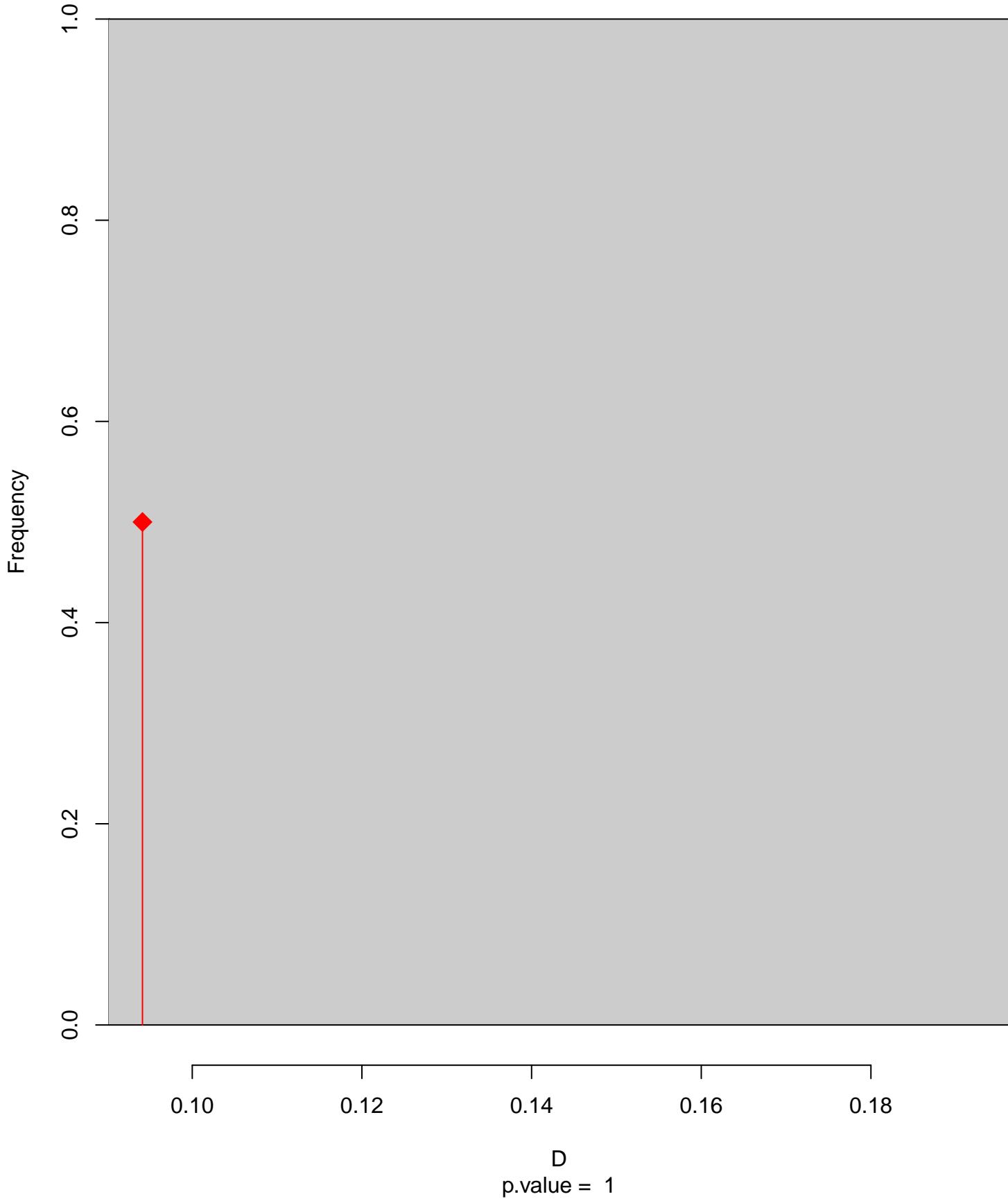


niche overlap:
 $D = 0.094$

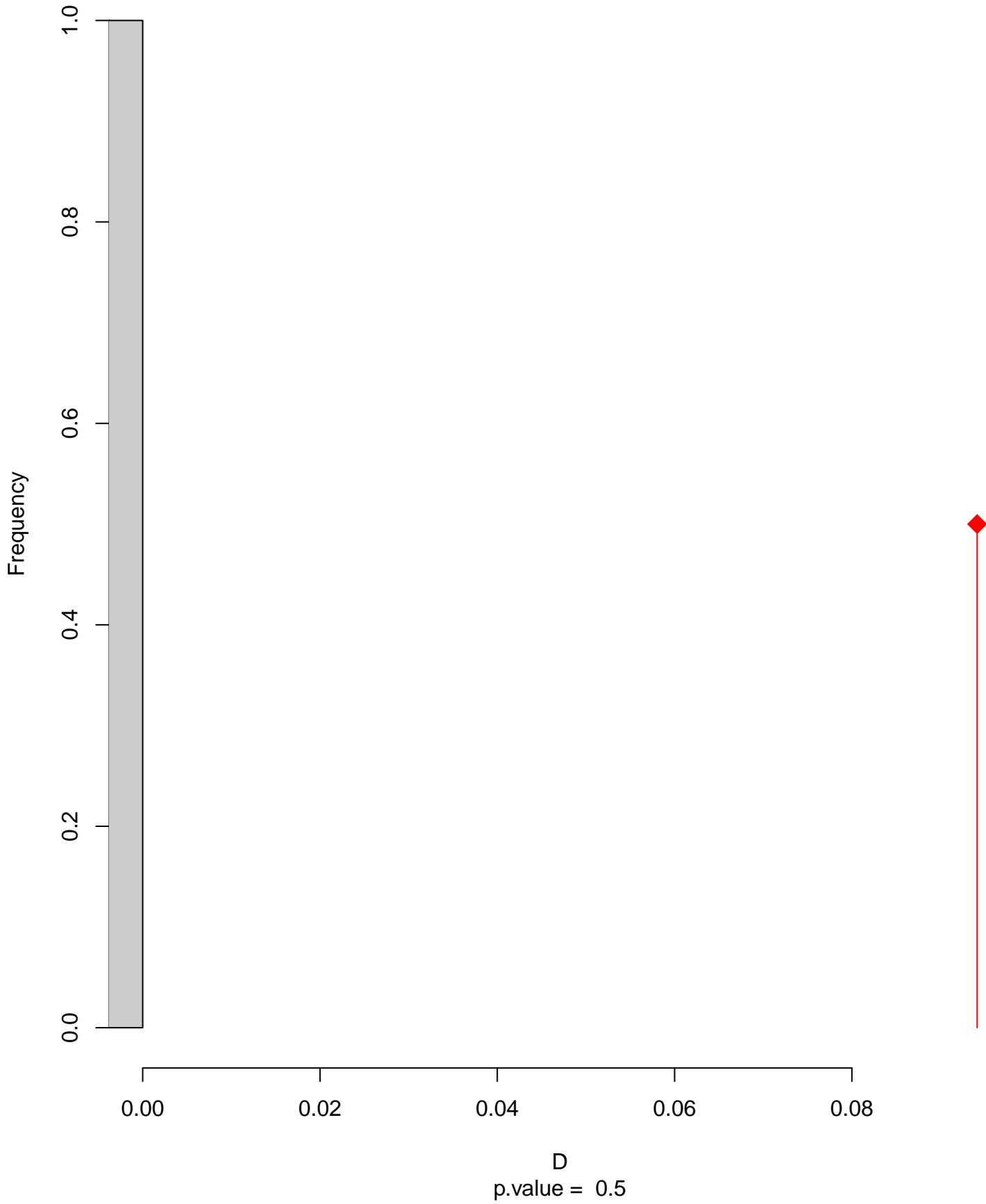
Equivalency



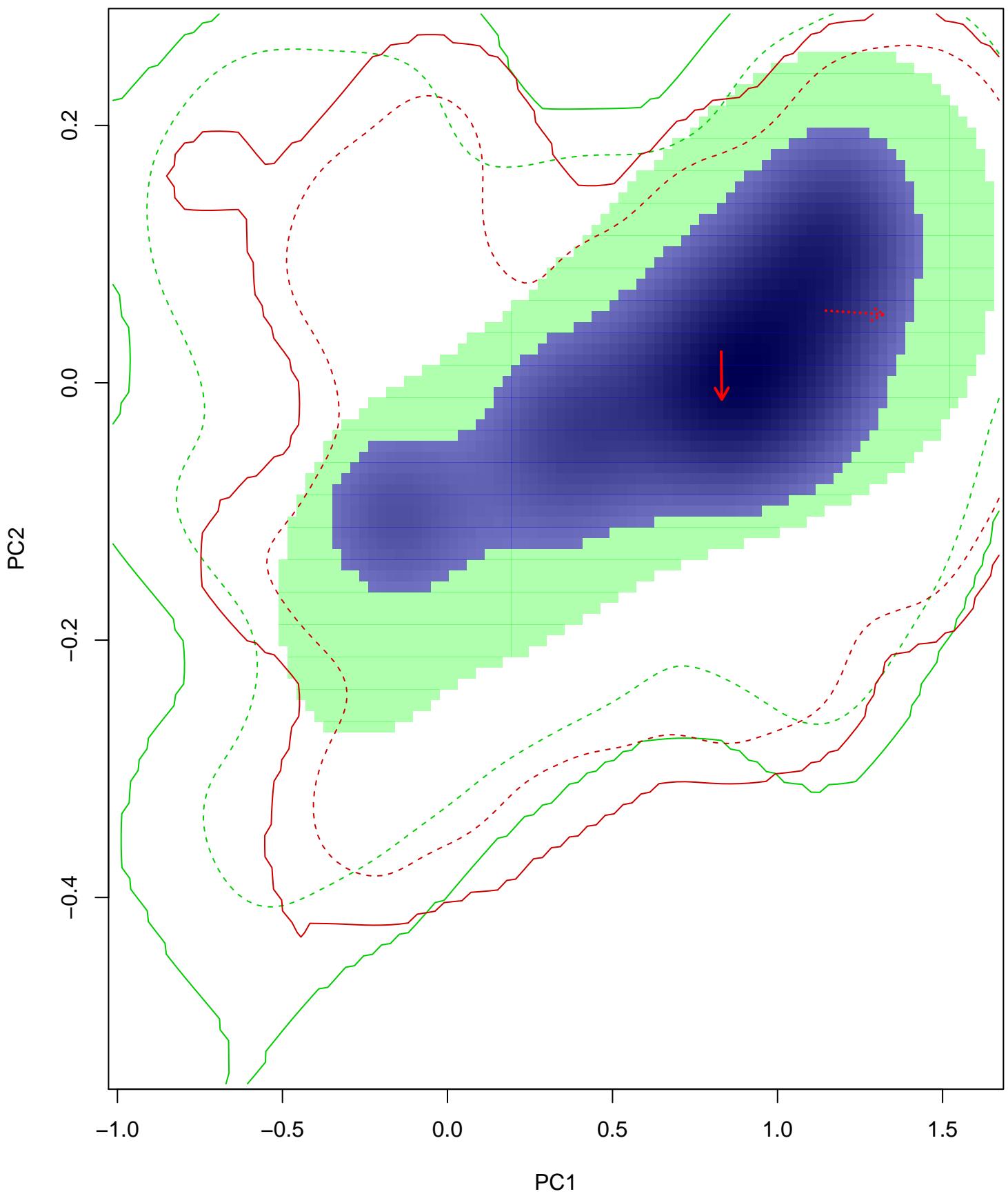
Similarity 2->1



Similarity 1→2

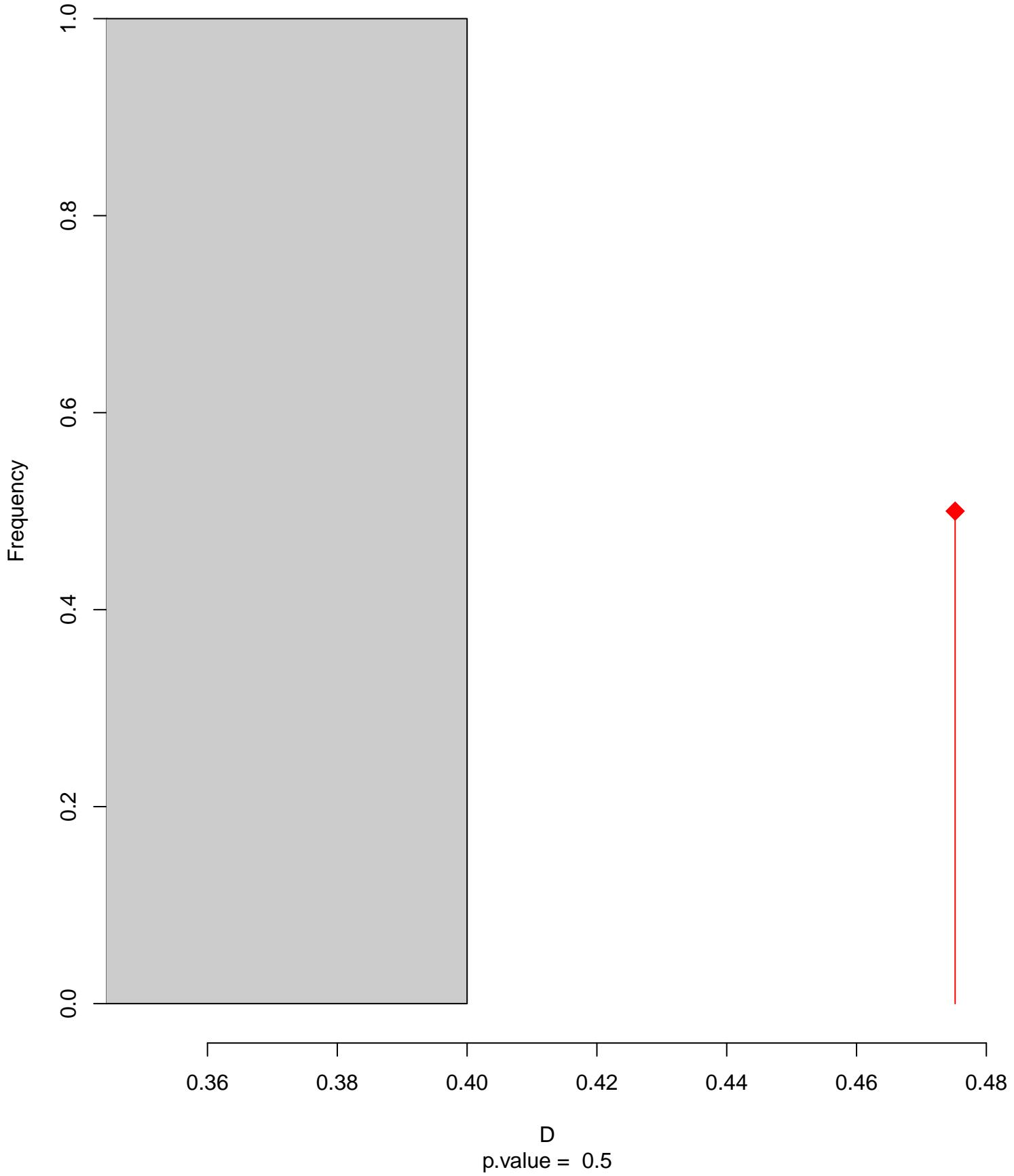


Petrochelidon_rufocollaris seasonal overlap

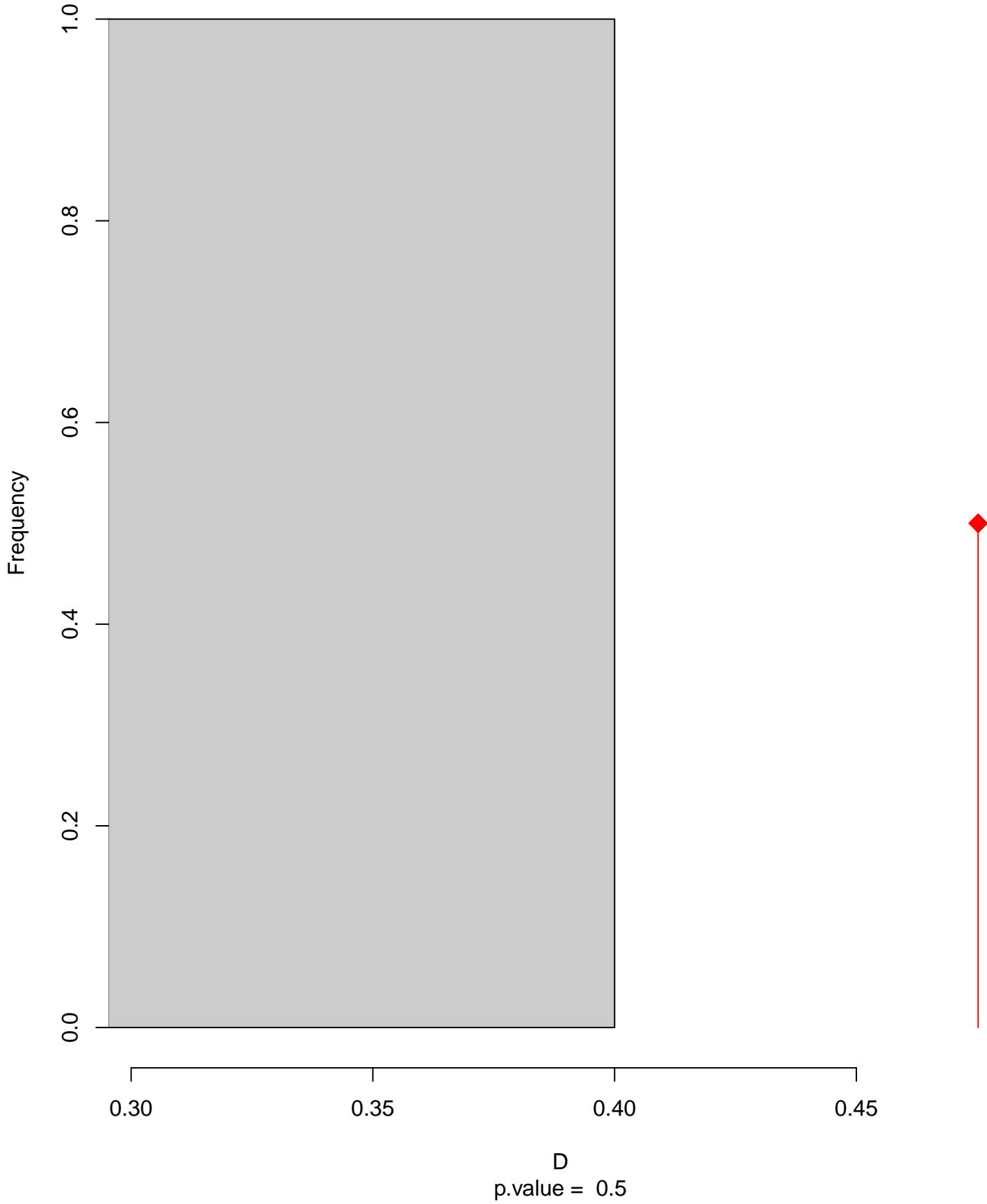


niche overlap:
 $D = 0.475$

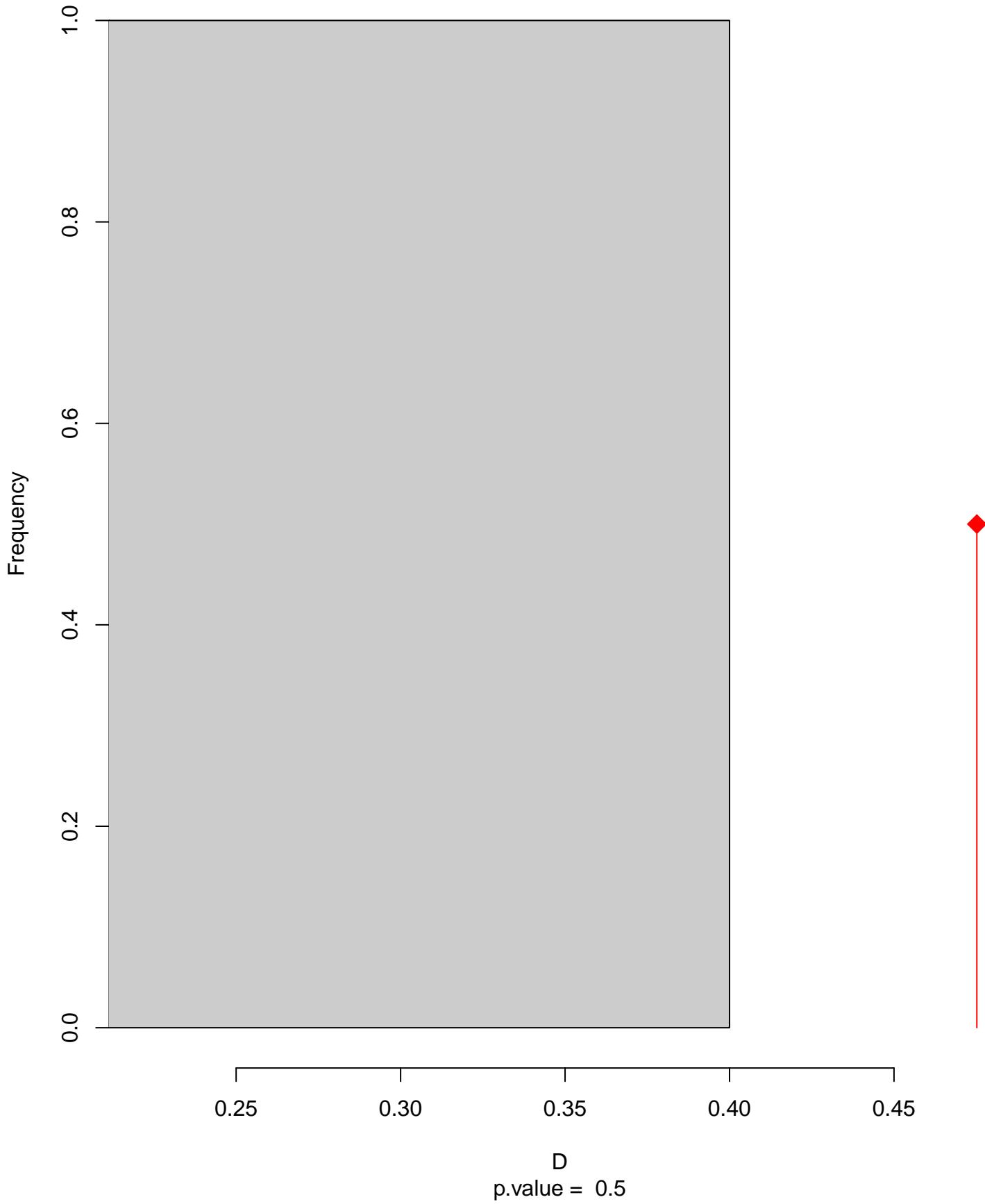
Equivalency



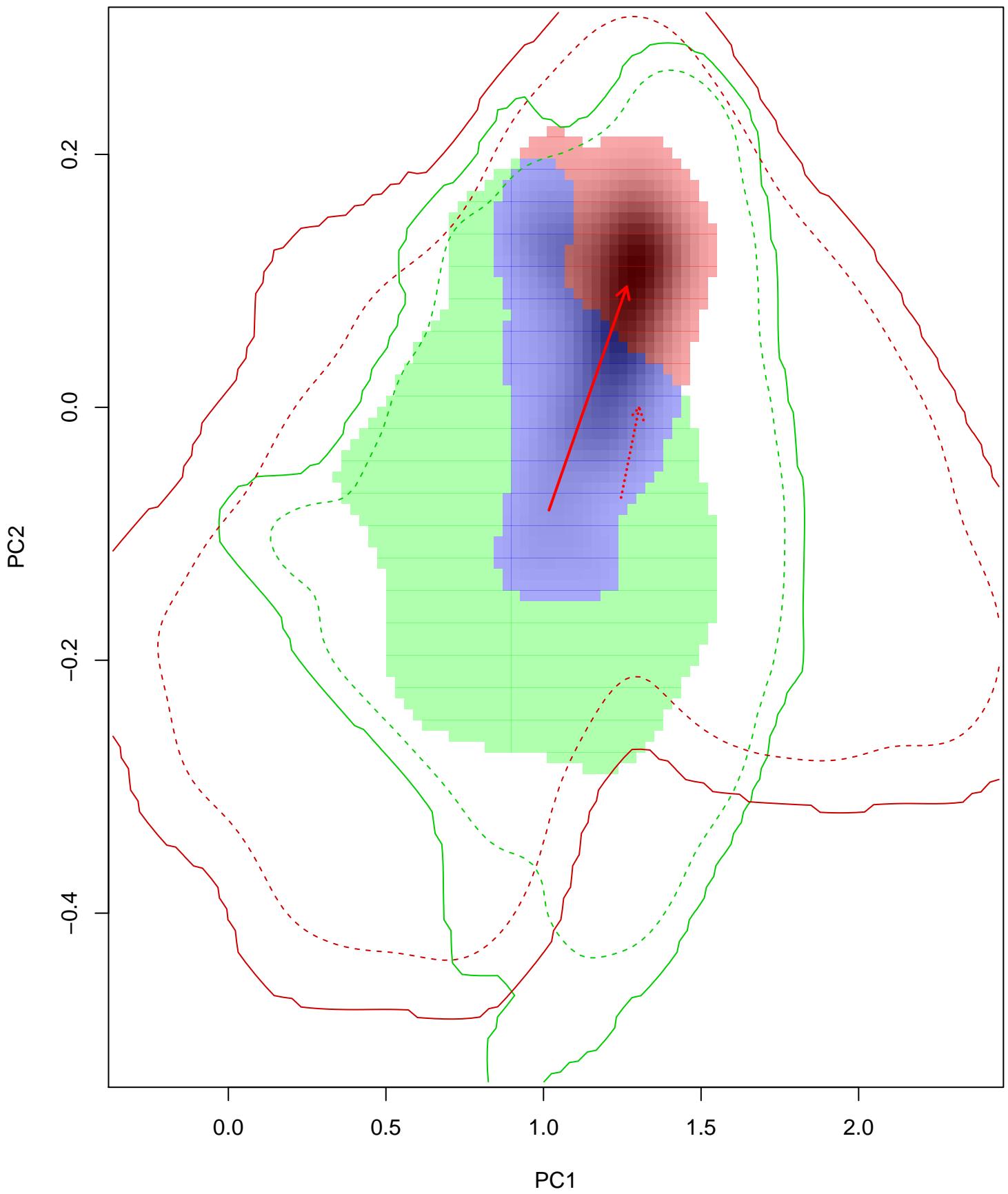
Similarity 2->1



Similarity 1→2

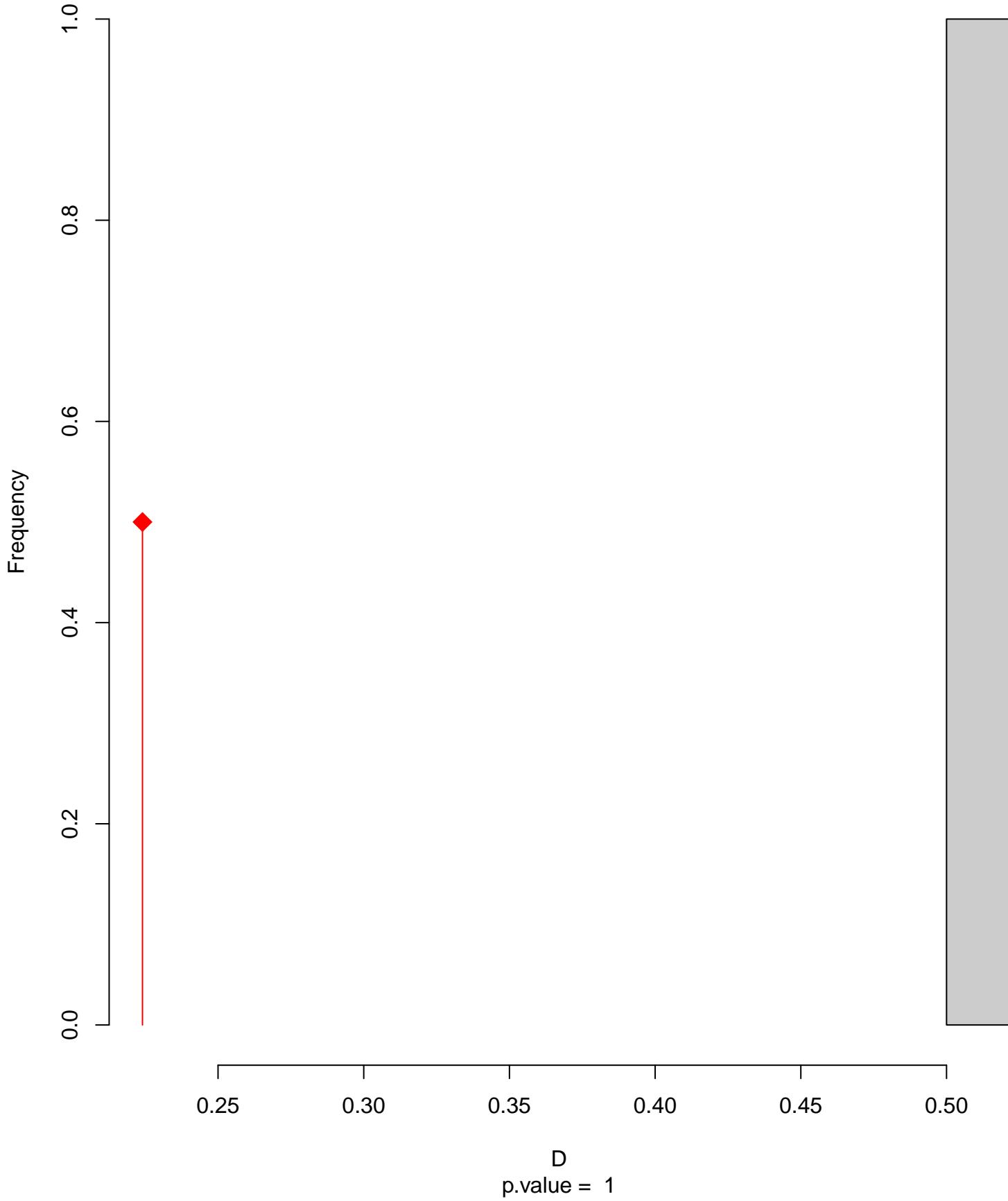


Petrochelidon_spilodera seasonal overlap



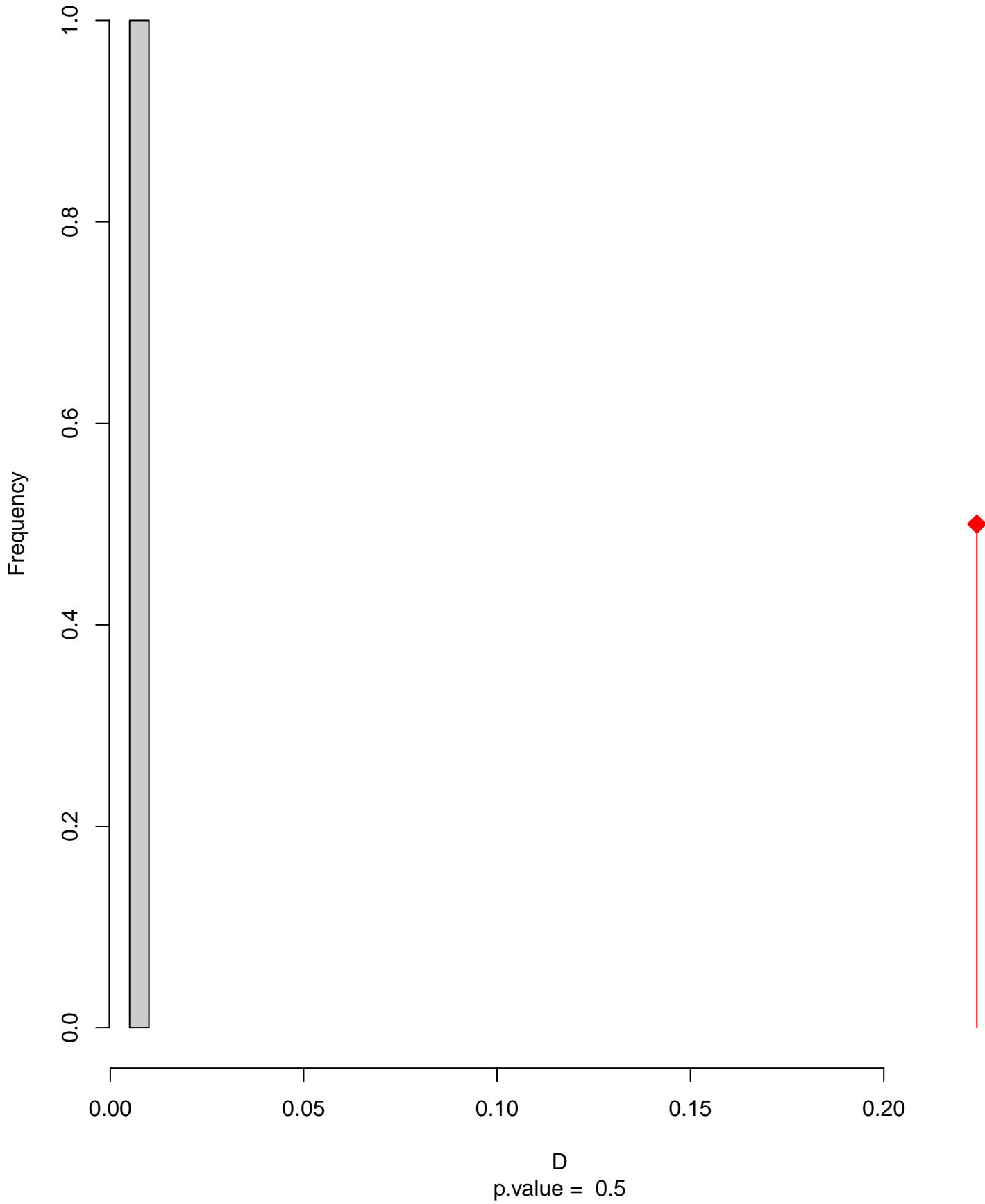
niche overlap:
 $D = 0.224$

Equivalency

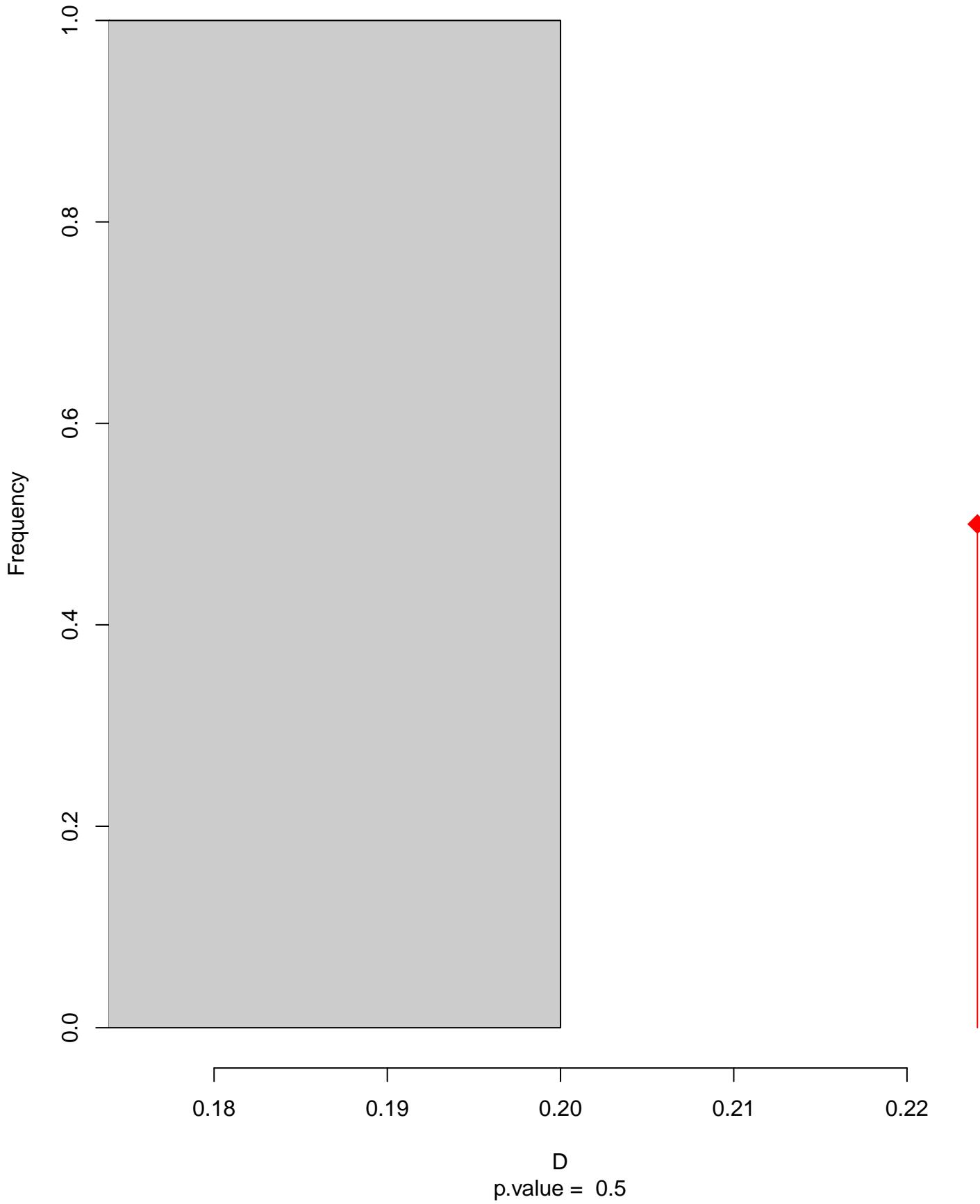


D
p.value = 1

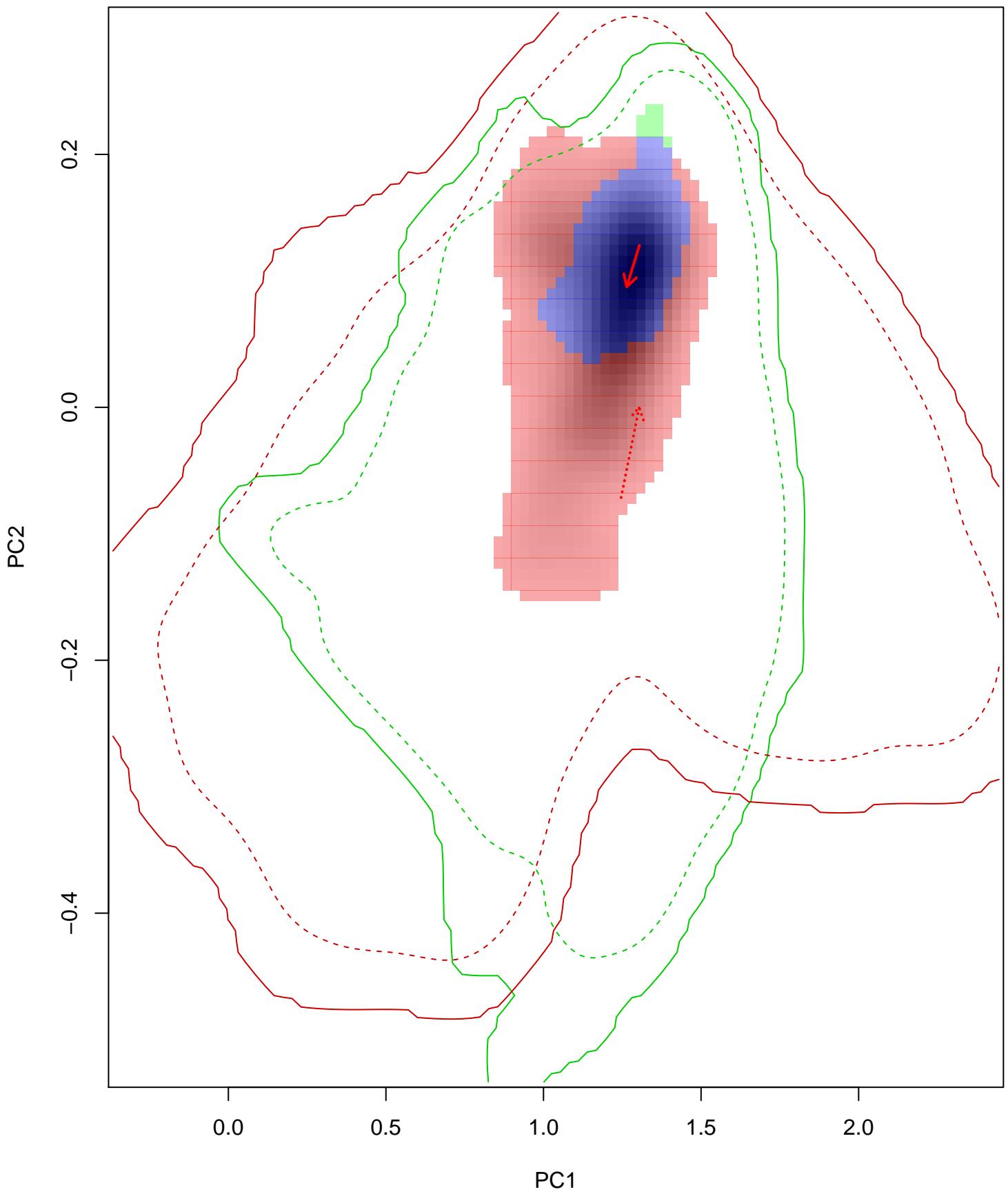
Similarity 2->1



Similarity 1→2

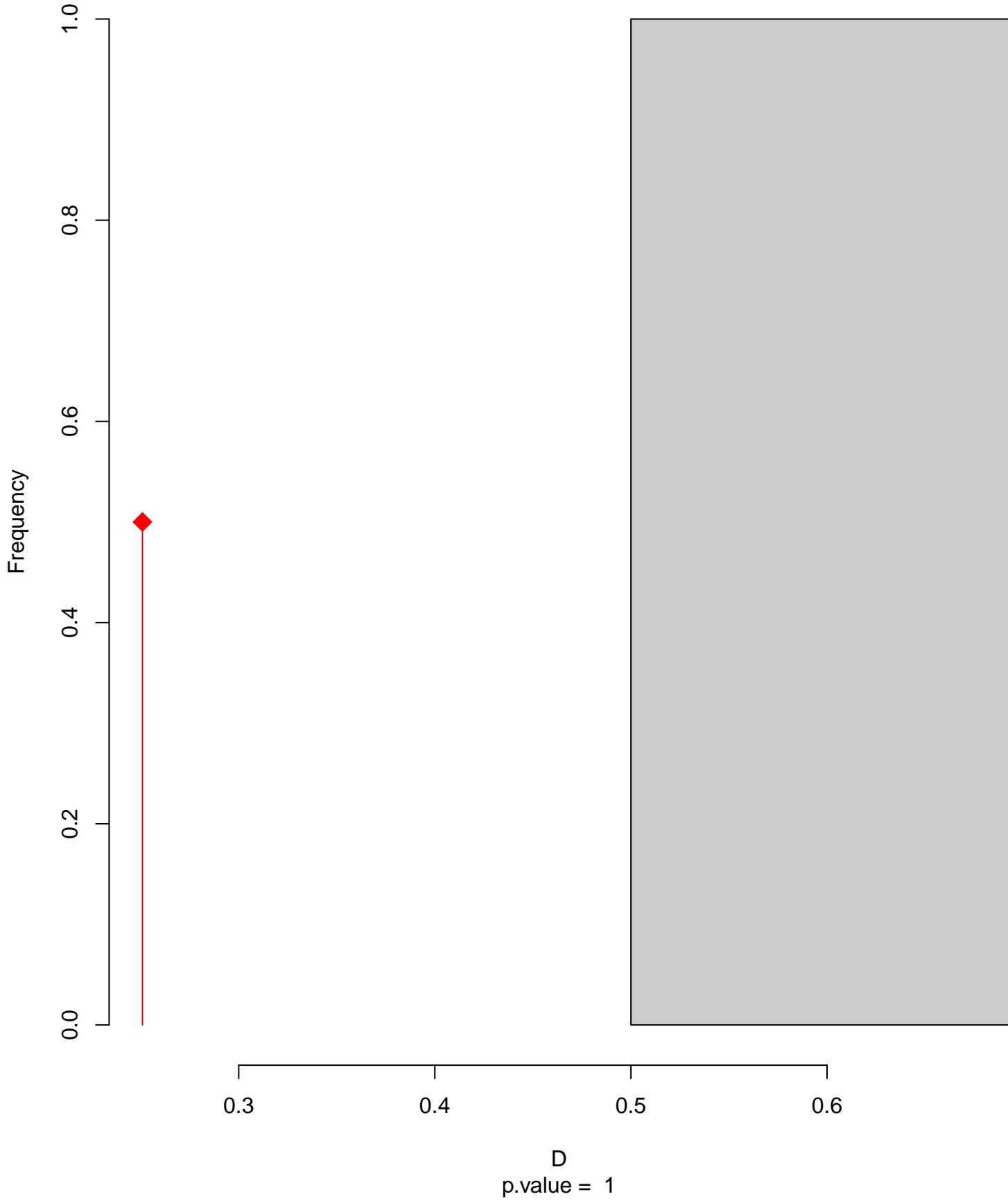


Petrochelidon_spilodera seasonal overlap-hypo.br

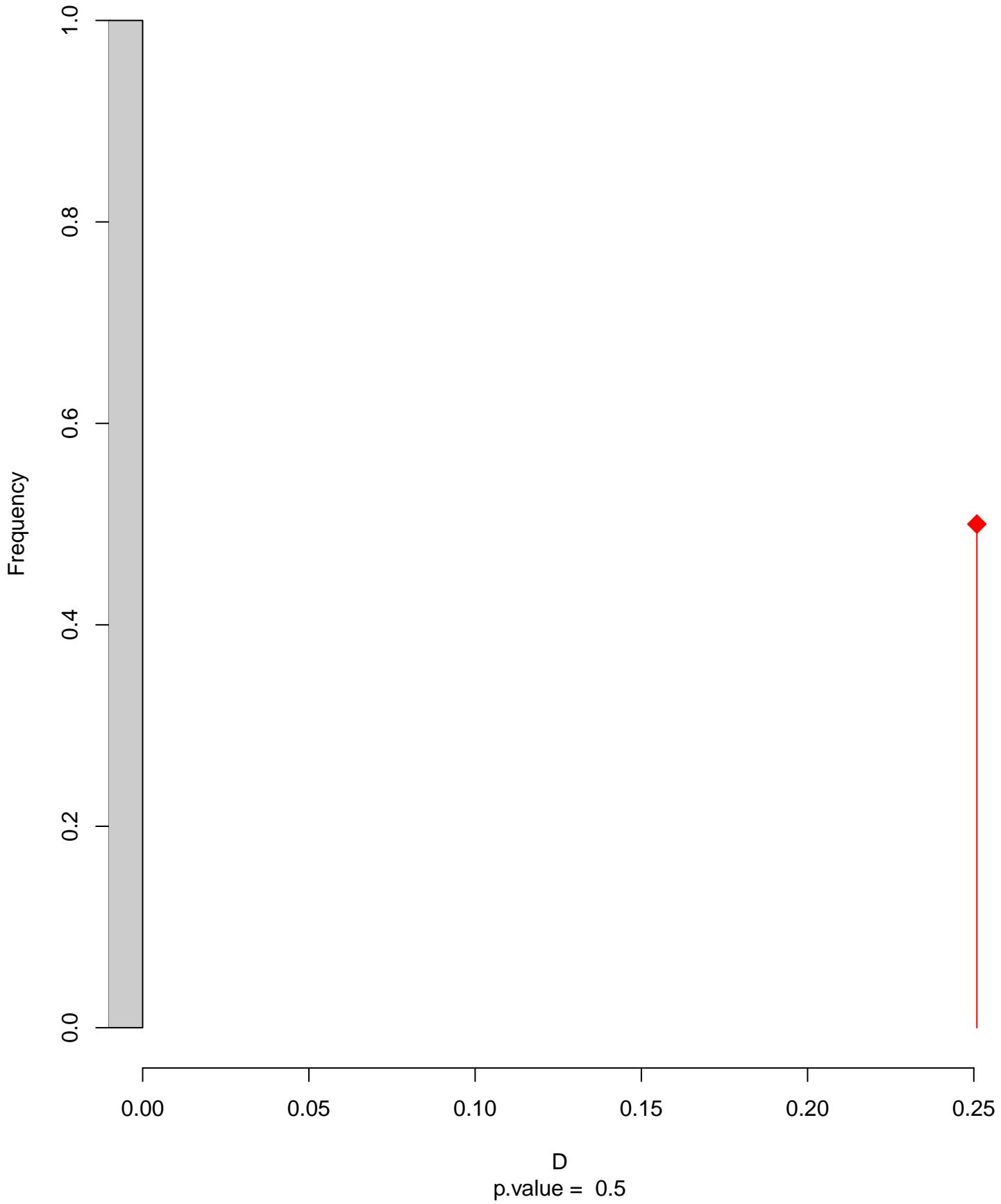


niche overlap:
 $D = 0.251$

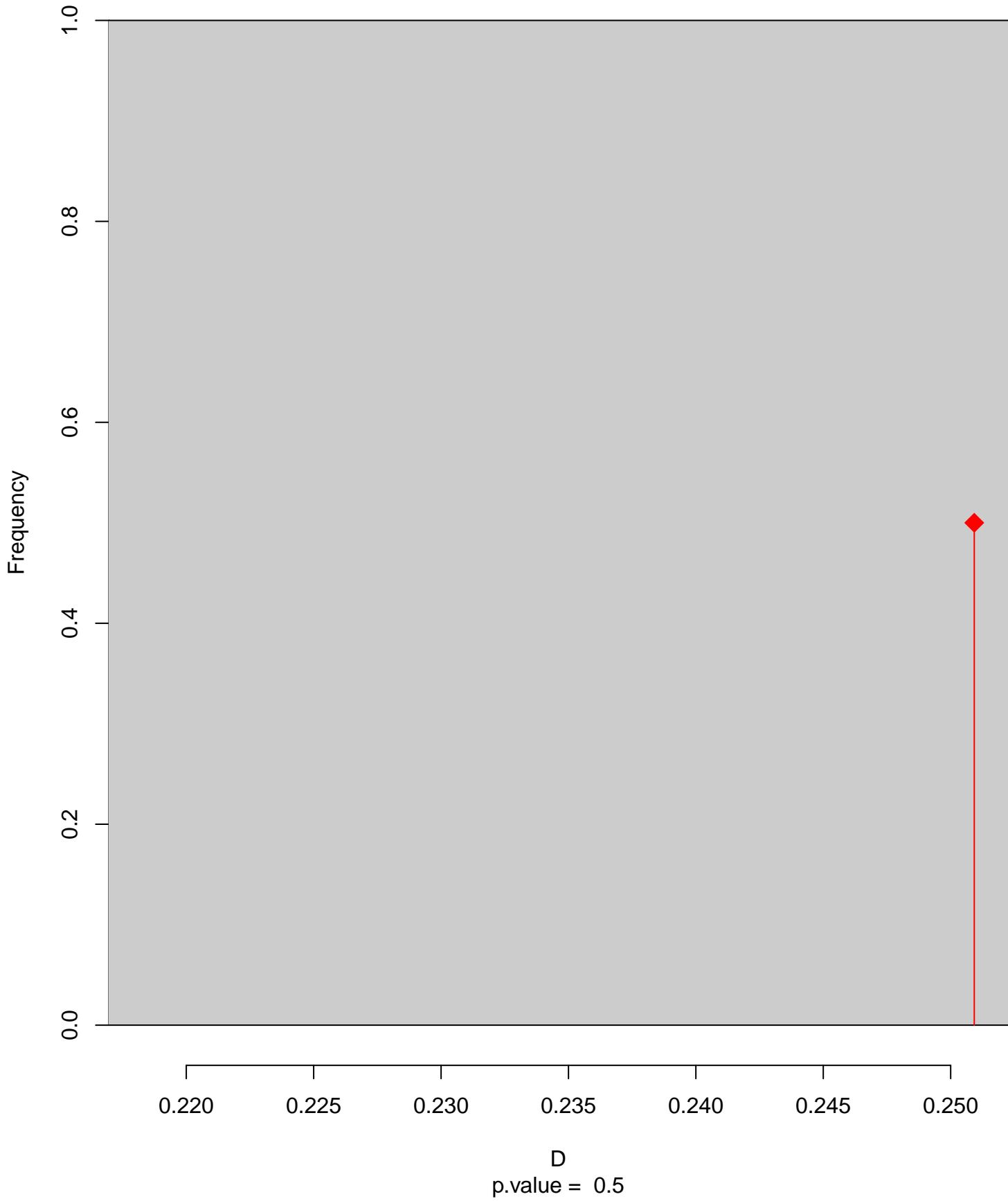
Equivalency



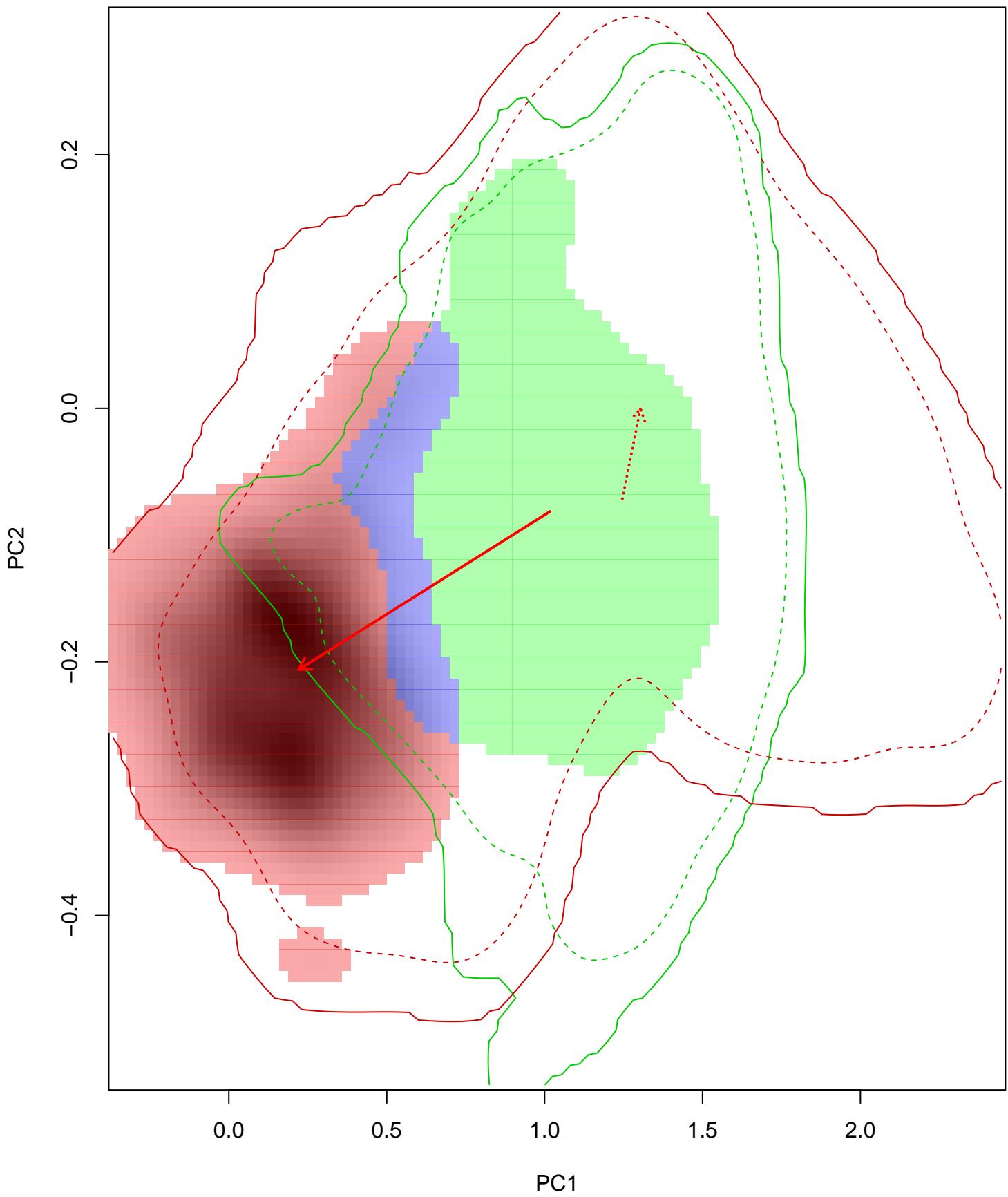
Similarity 2->1



Similarity 1→2

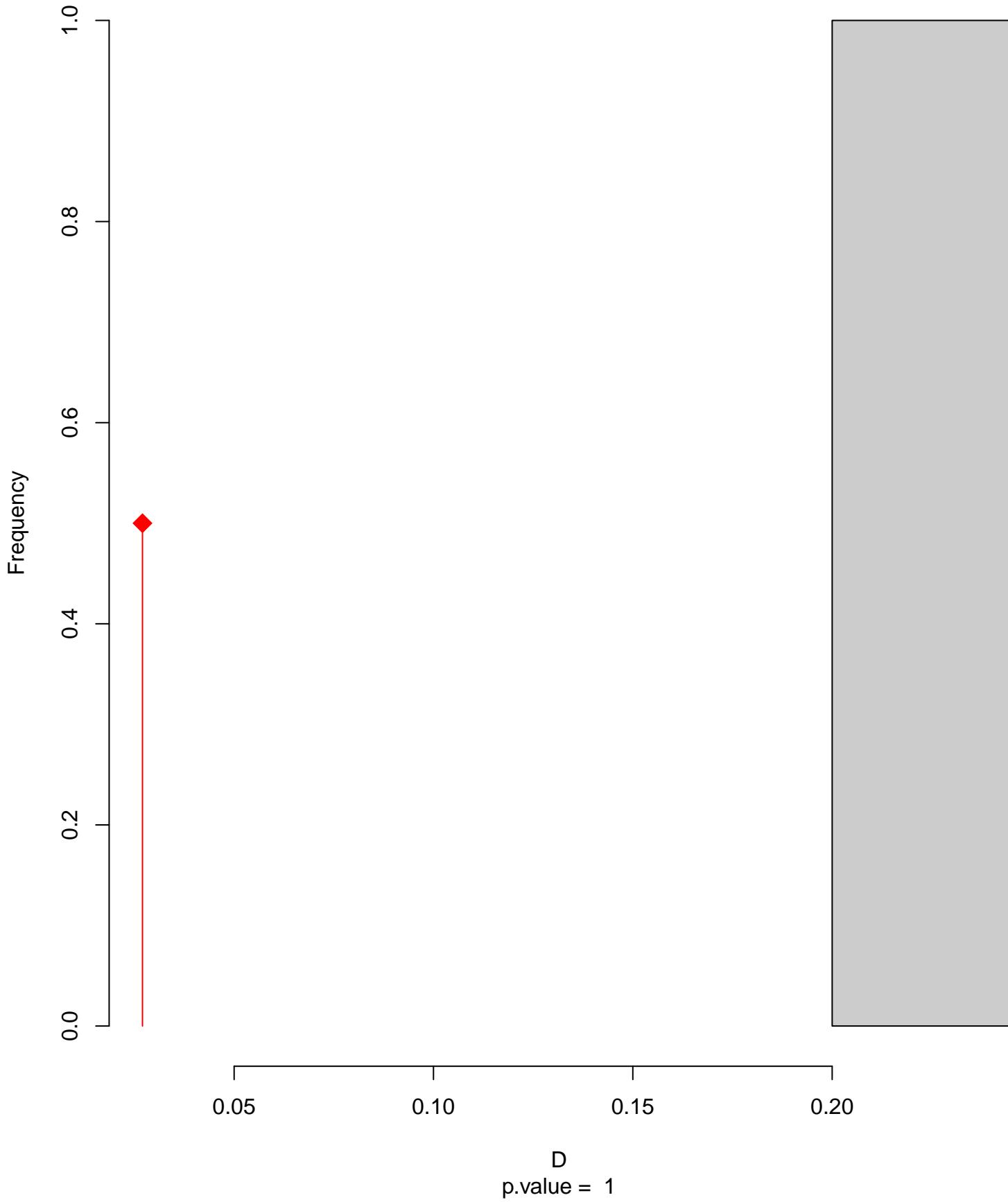


Petrochelidon_spilodera seasonal overlap–hypo wi



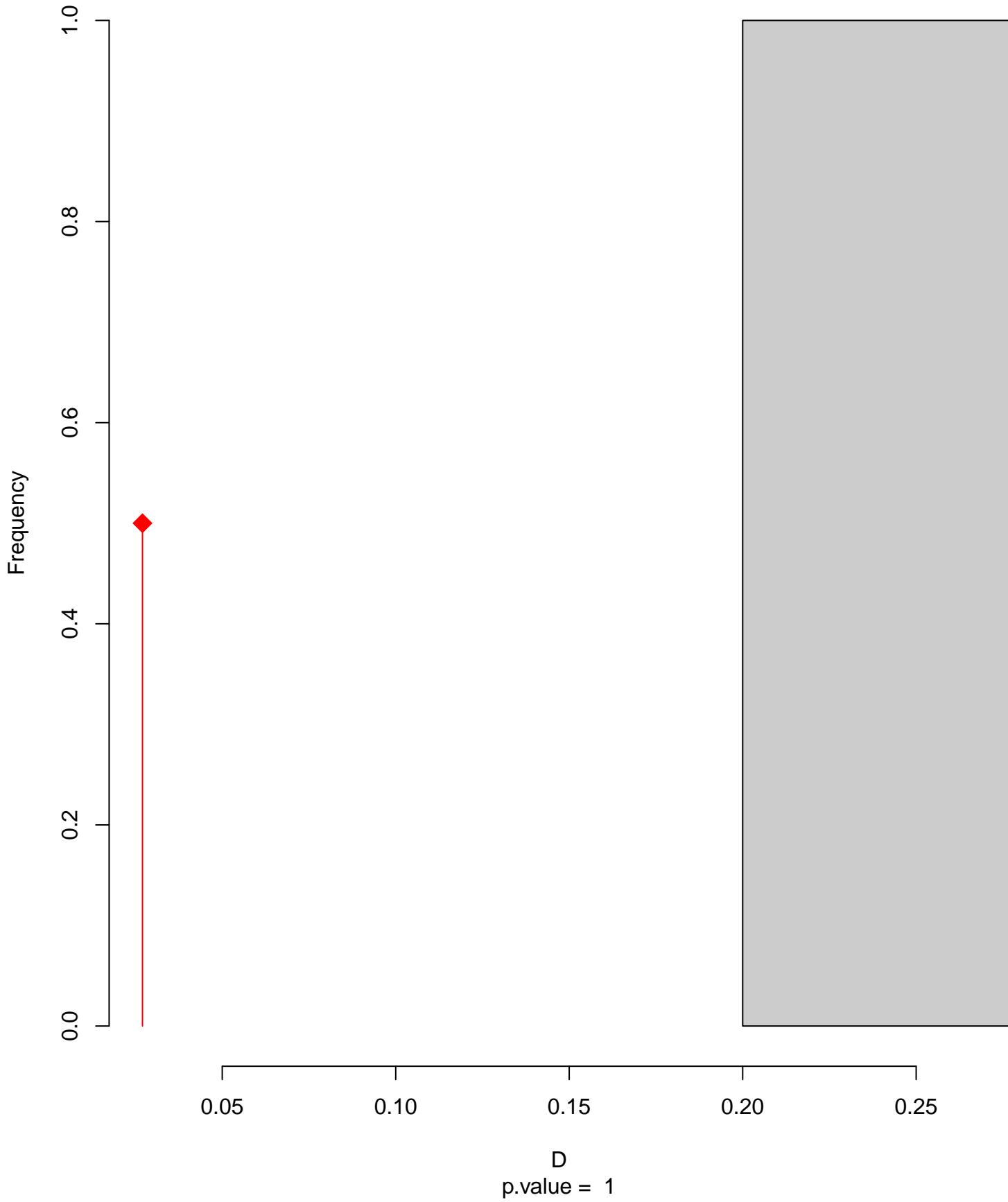
niche overlap:
 $D = 0.027$

Equivalency

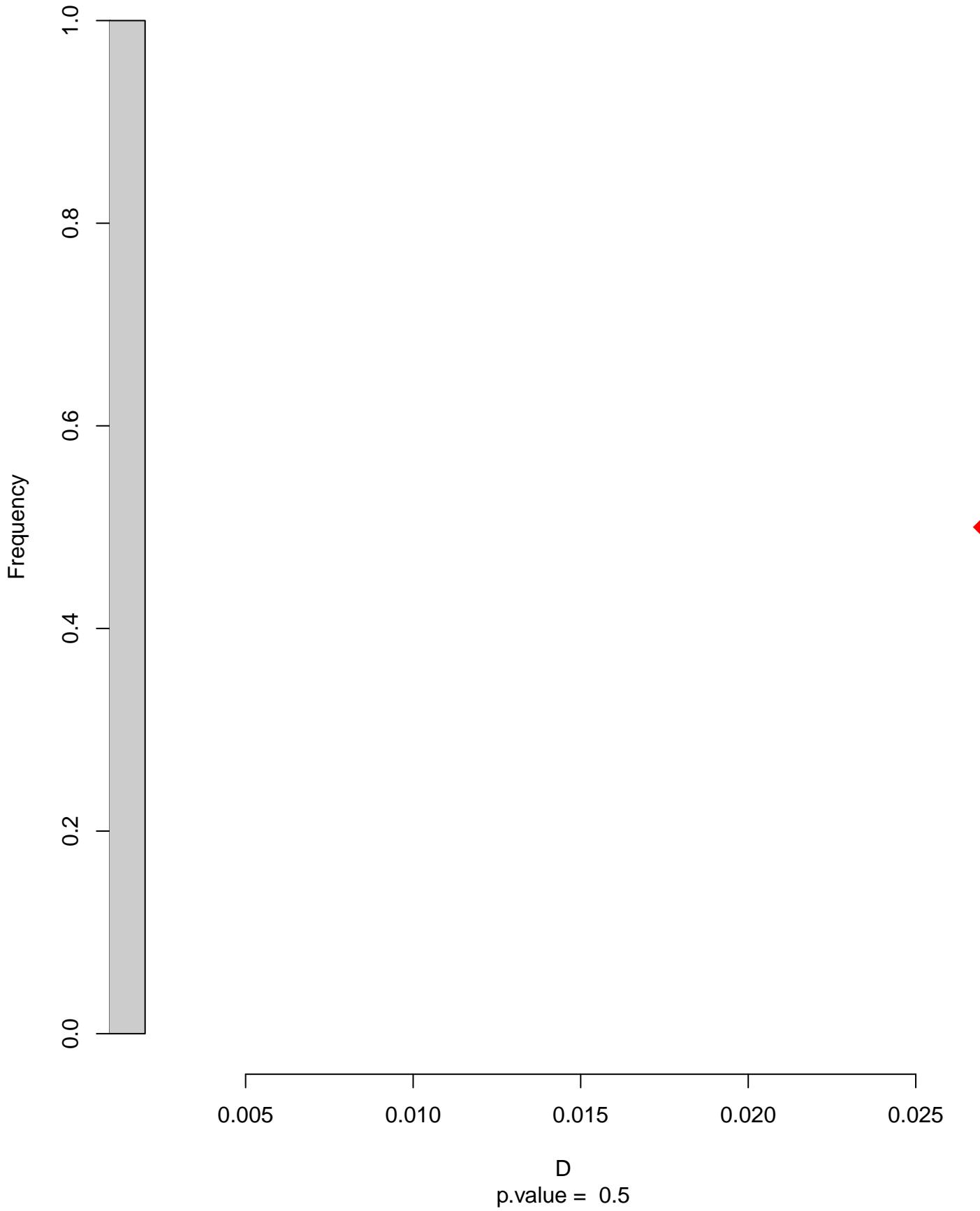


D
p.value = 1

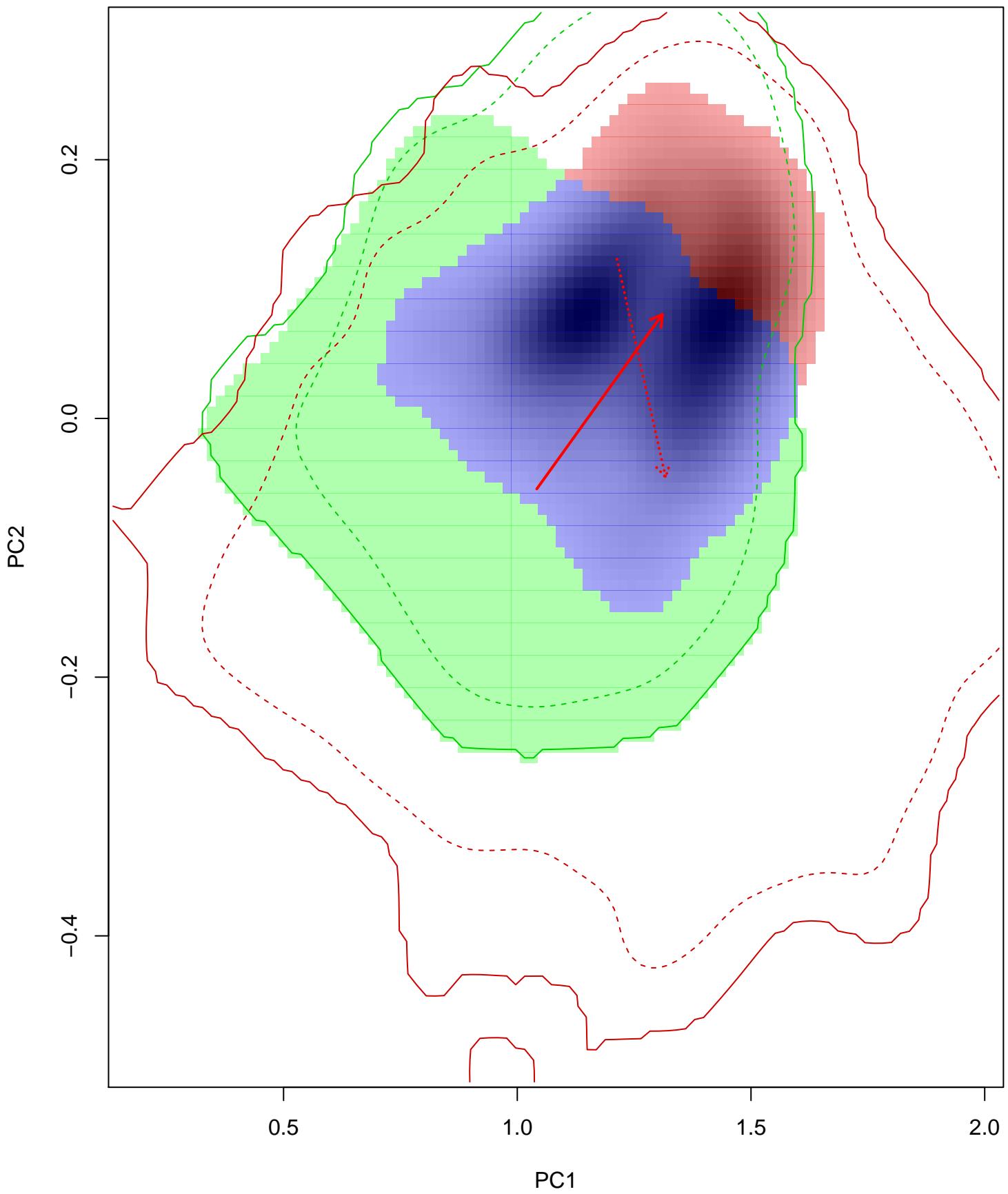
Similarity 2->1



Similarity 1→2

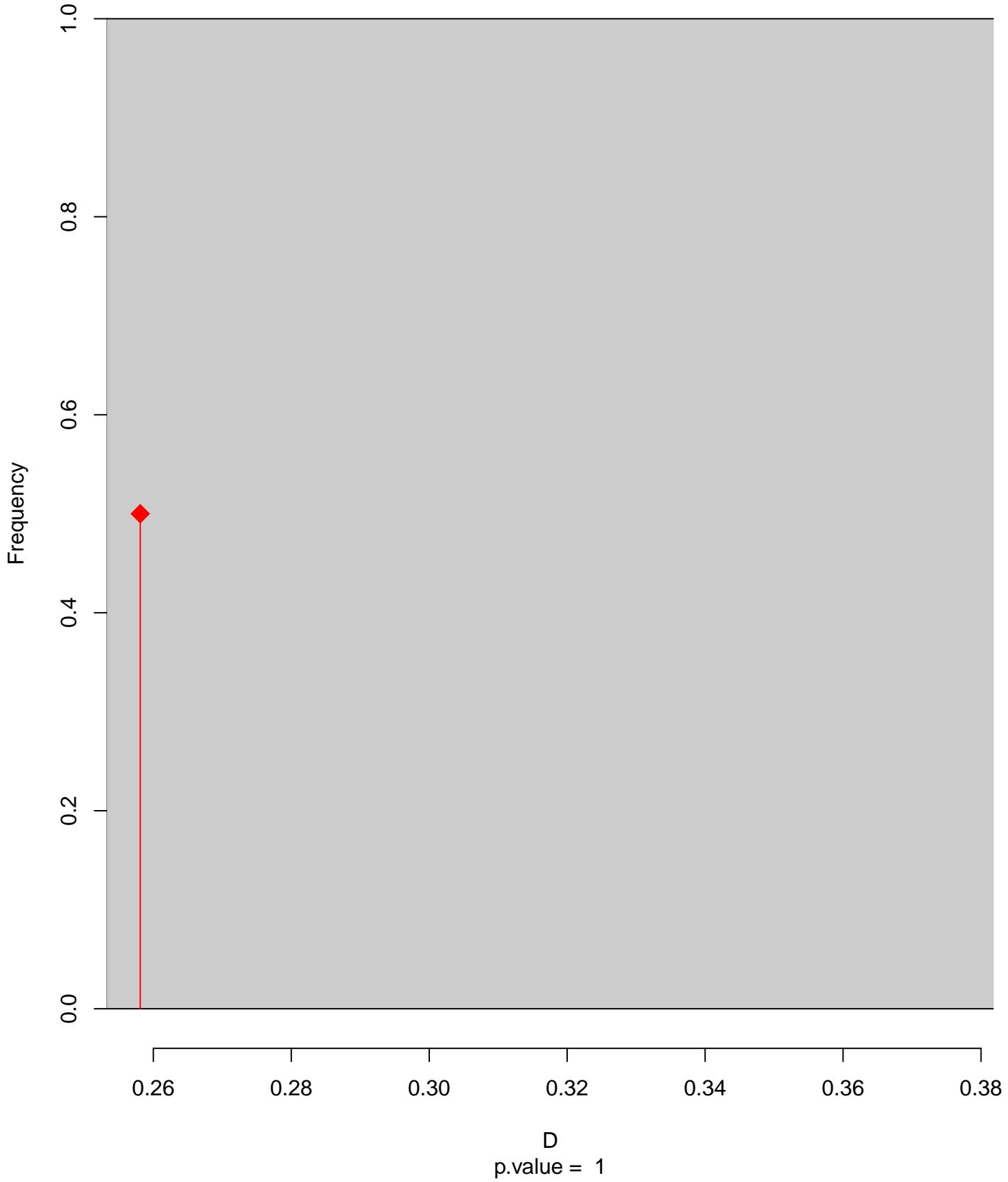


Phedina_borbonica seasonal overlap

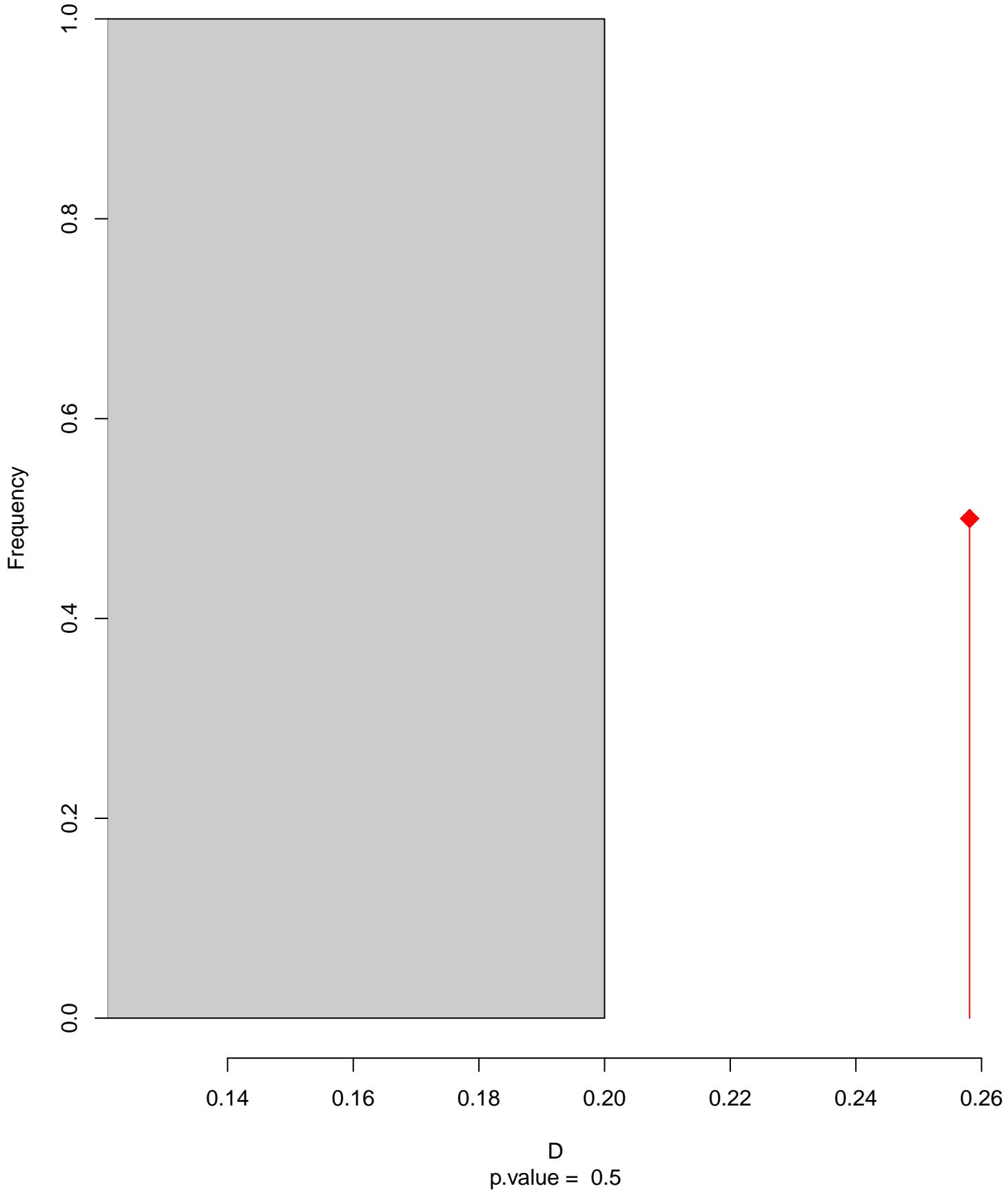


niche overlap:
 $D = 0.258$

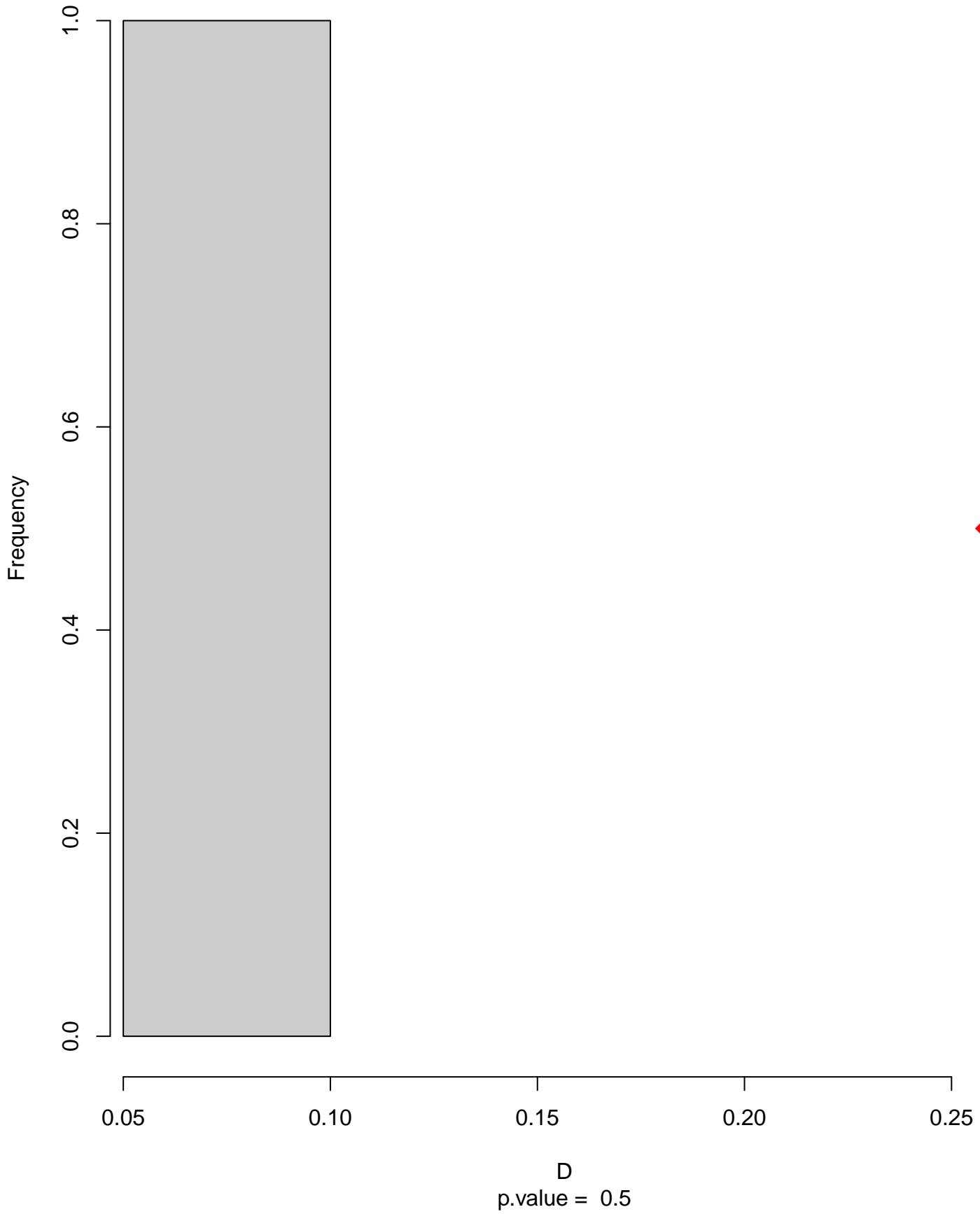
Equivalency



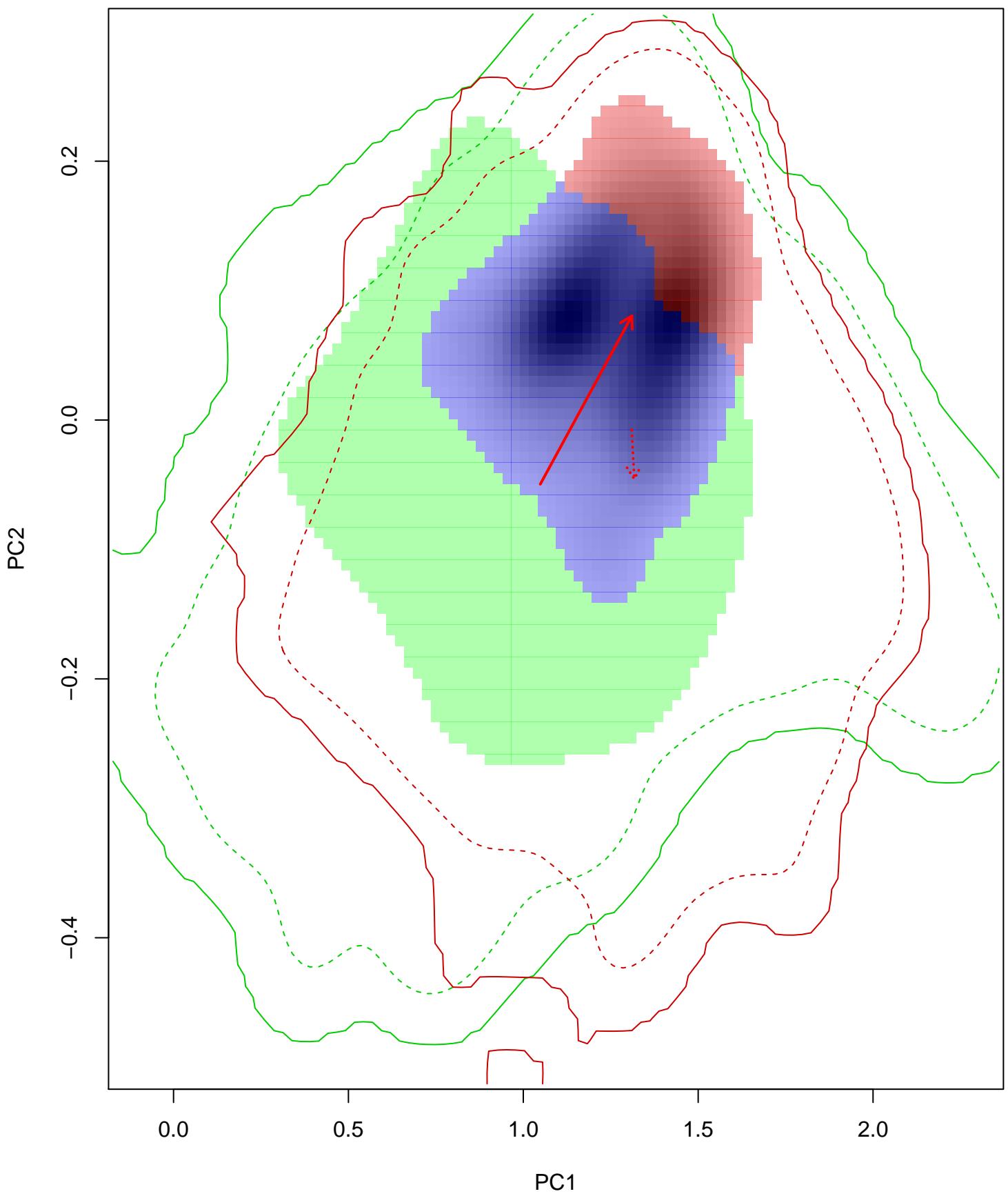
Similarity 2->1



Similarity 1→2

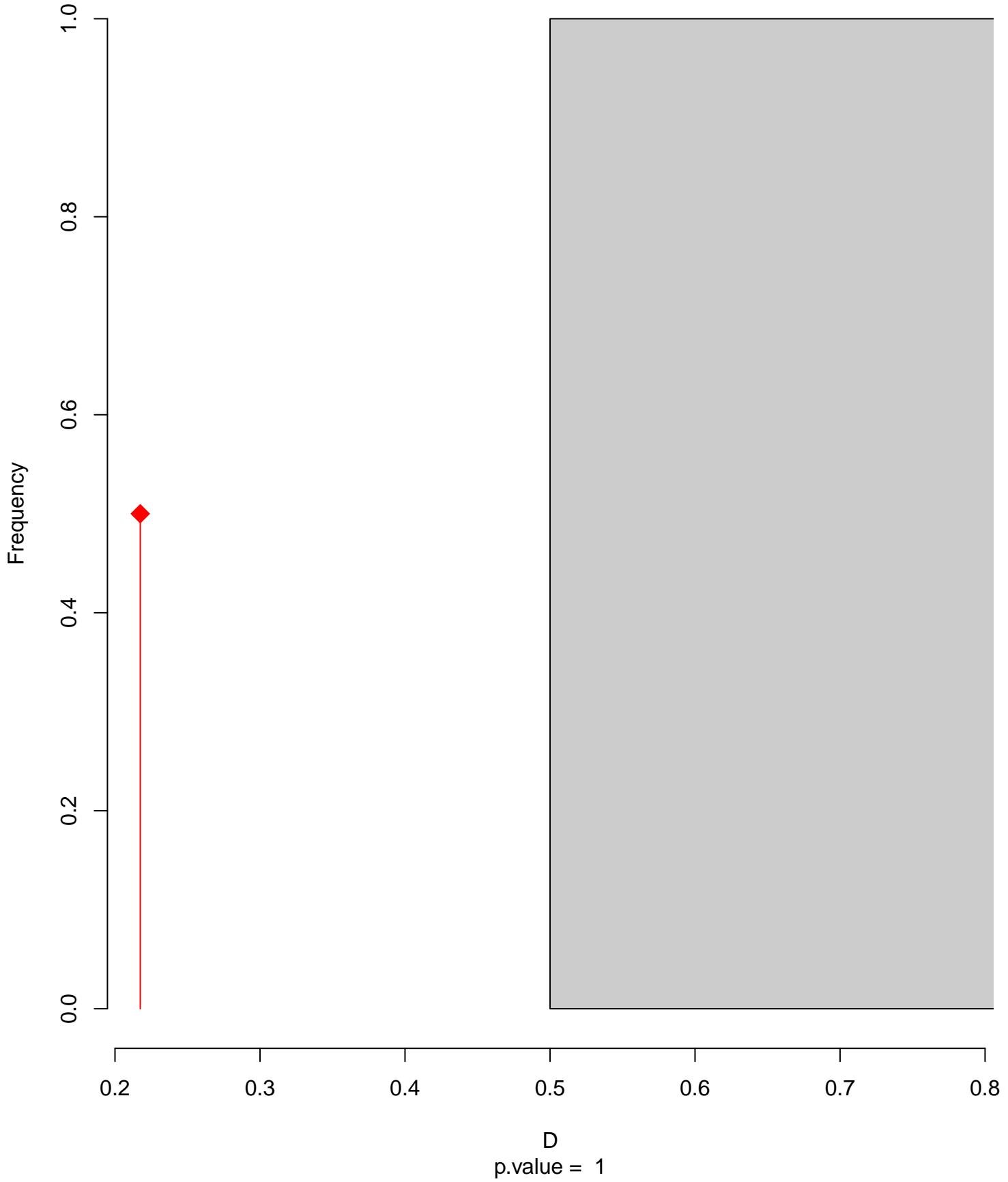


Phedina_borbonica seasonal overlap-hypo.br

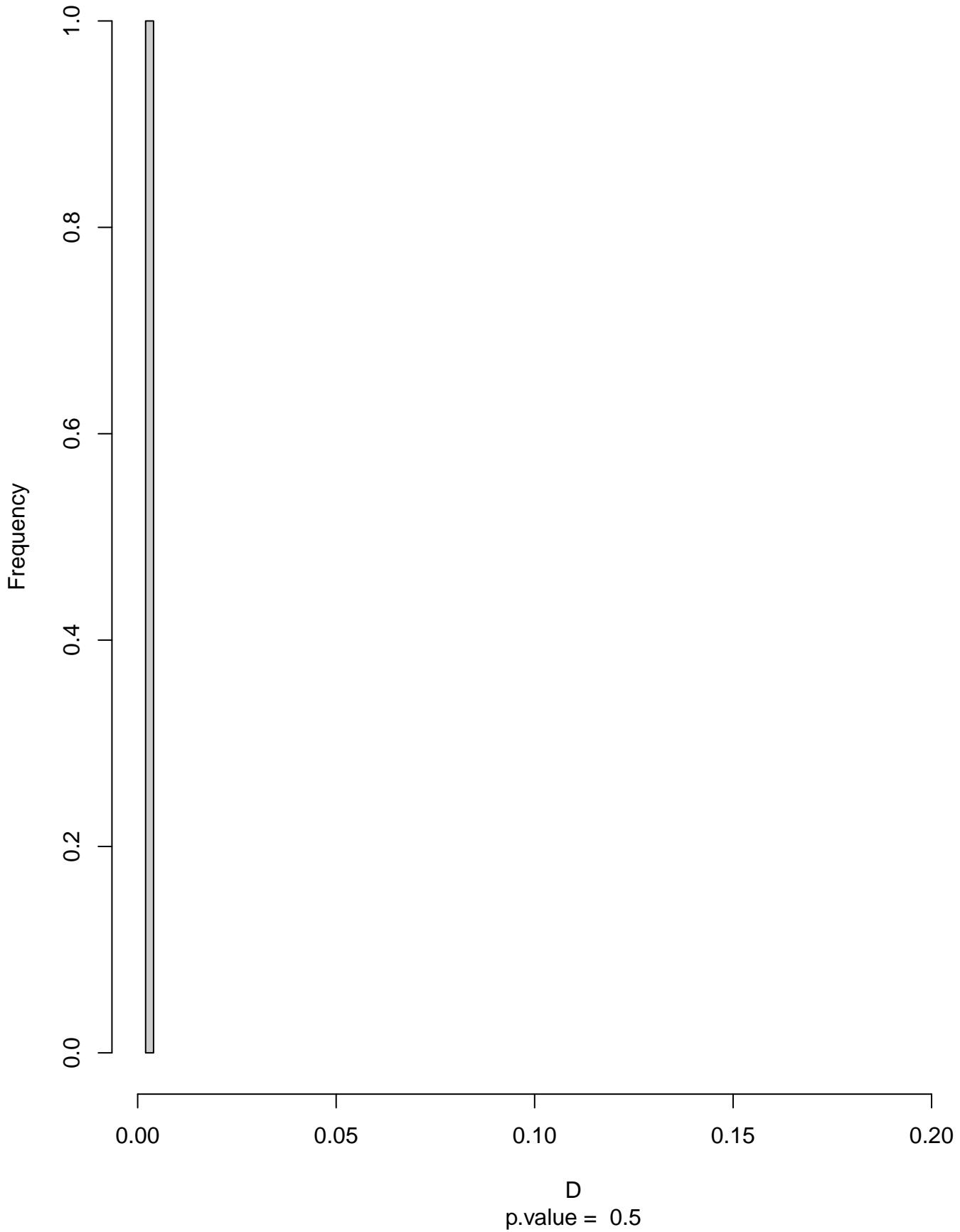


niche overlap:
 $D = 0.217$

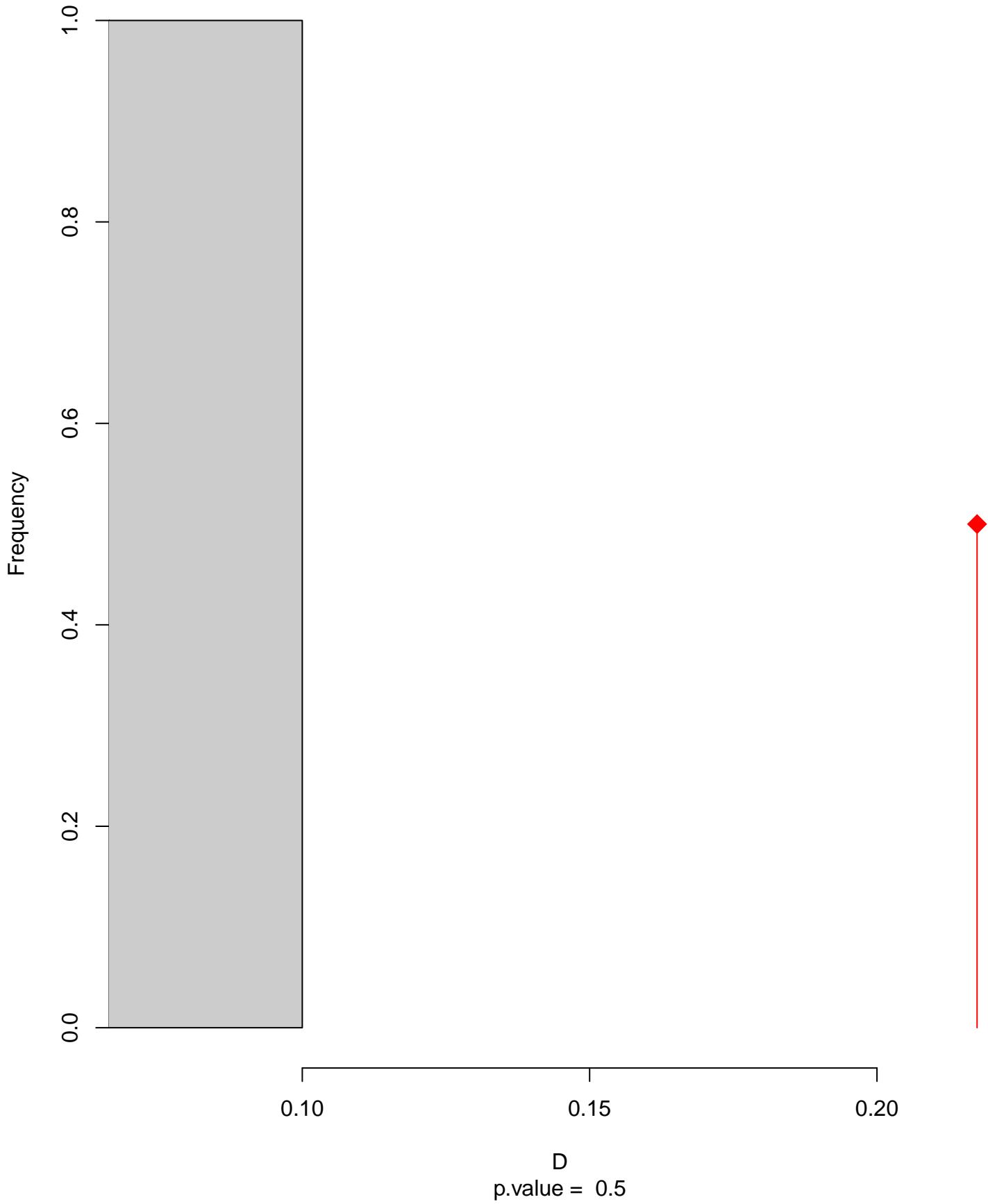
Equivalency



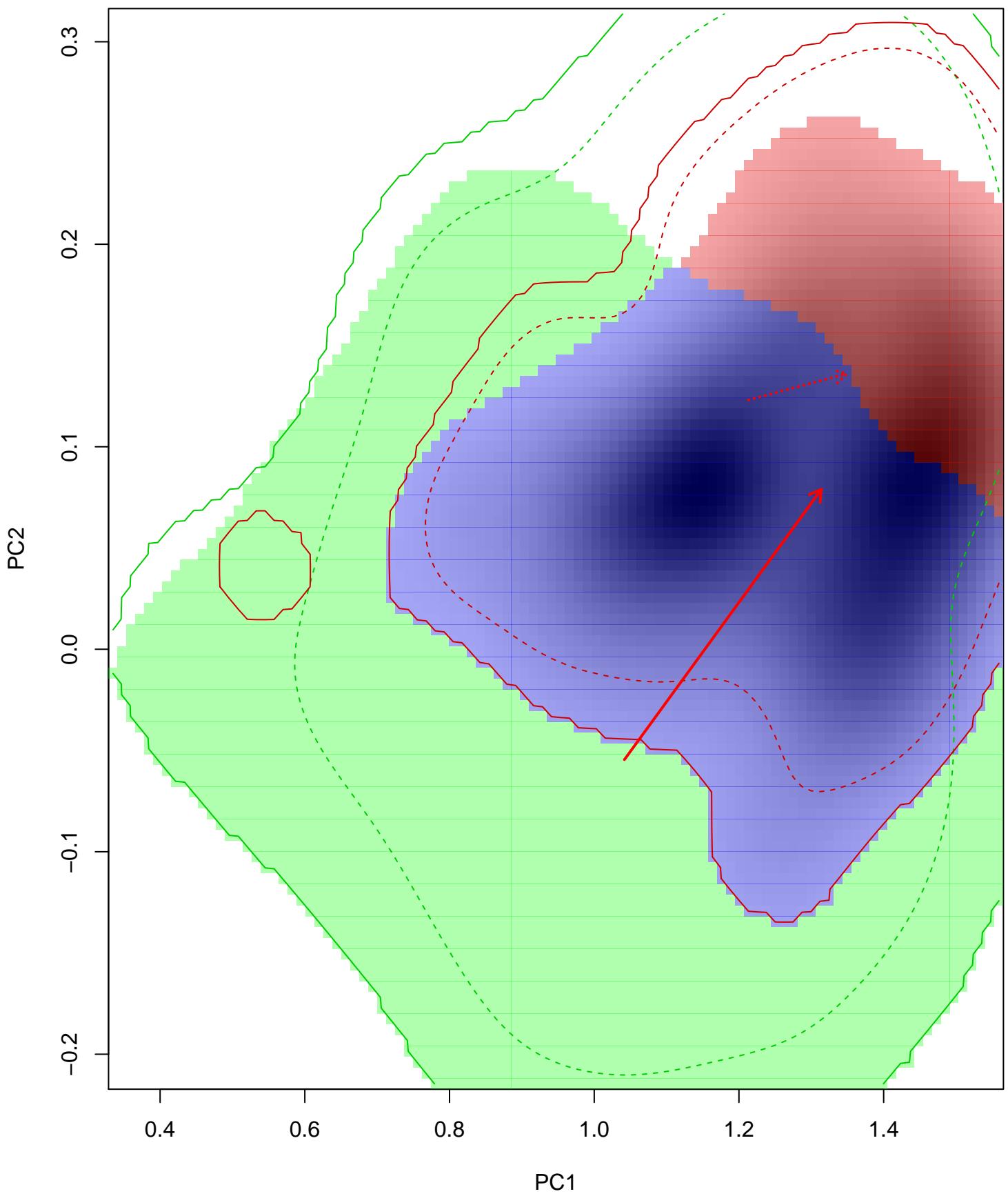
Similarity 2->1



Similarity 1→2

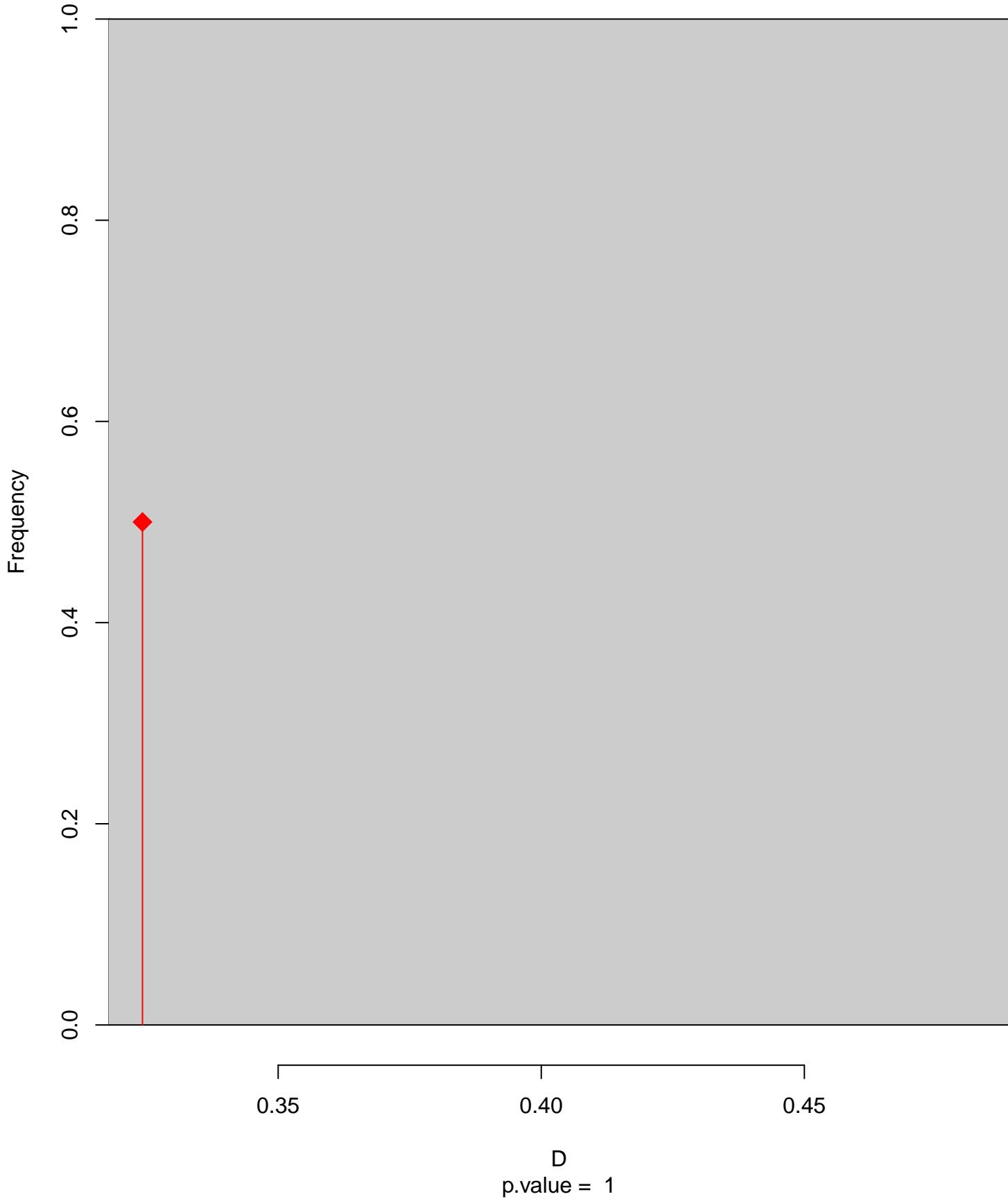


Phedina_borbonica seasonal overlap-hypo wi

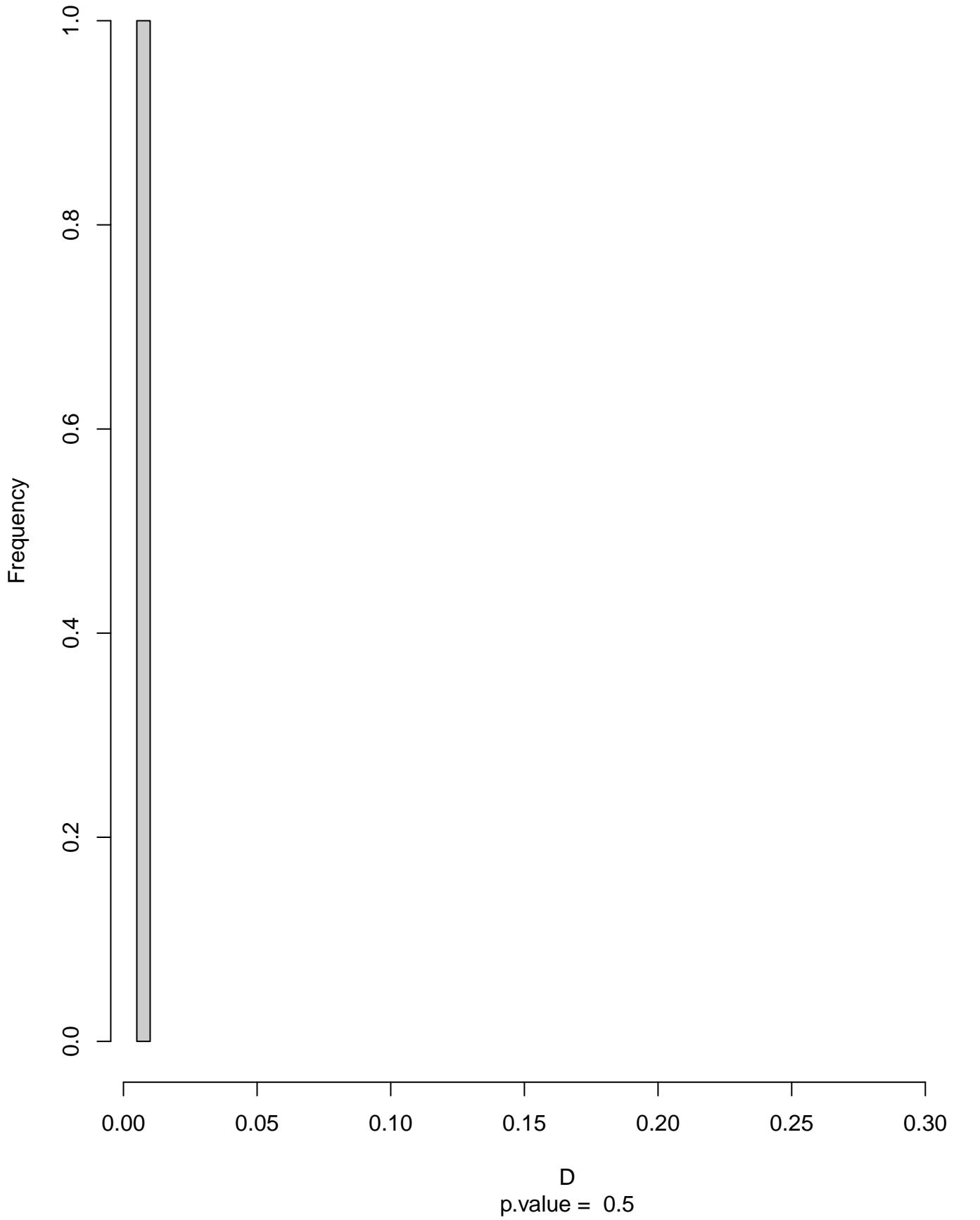


niche overlap:
 $D = 0.324$

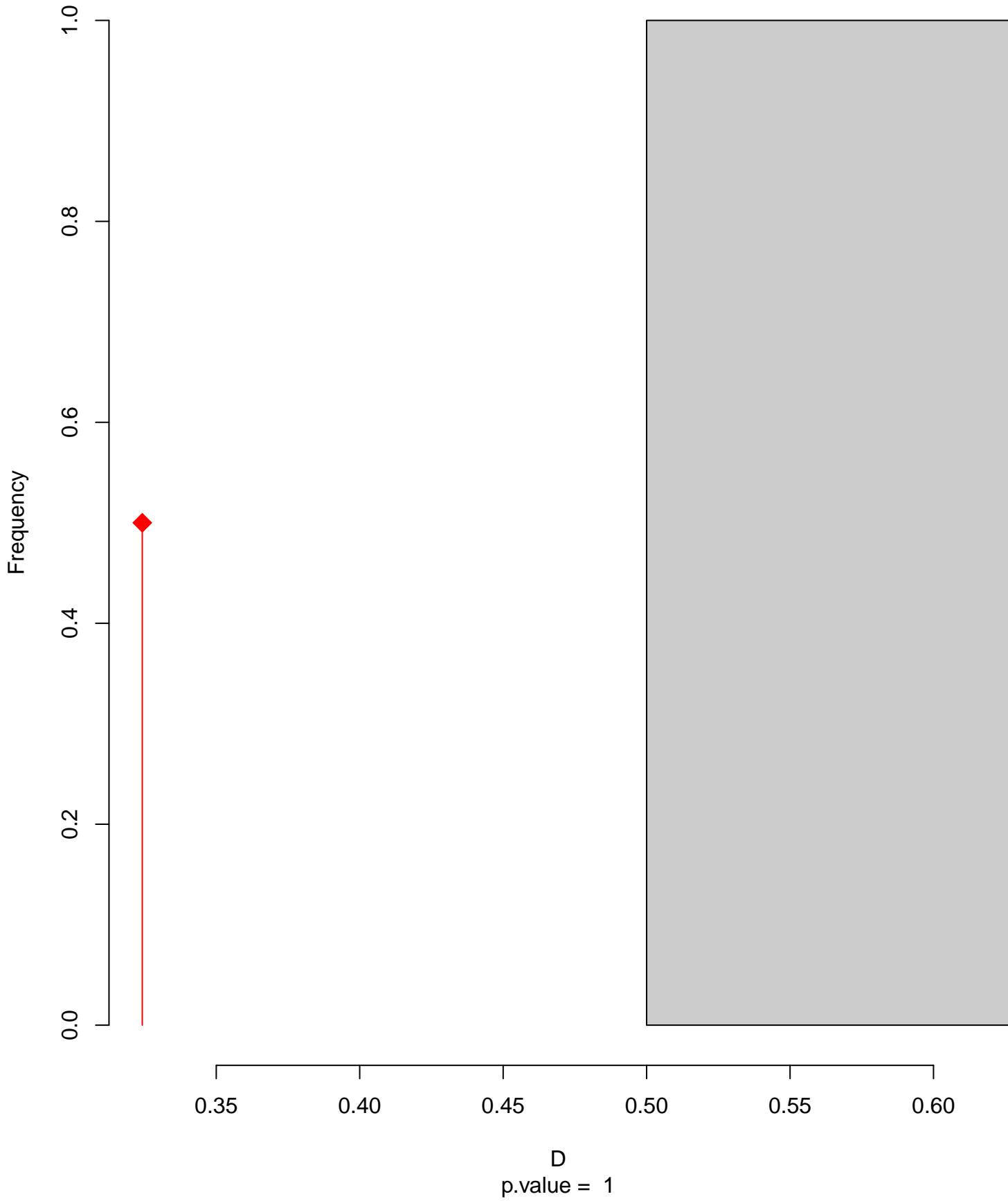
Equivalency



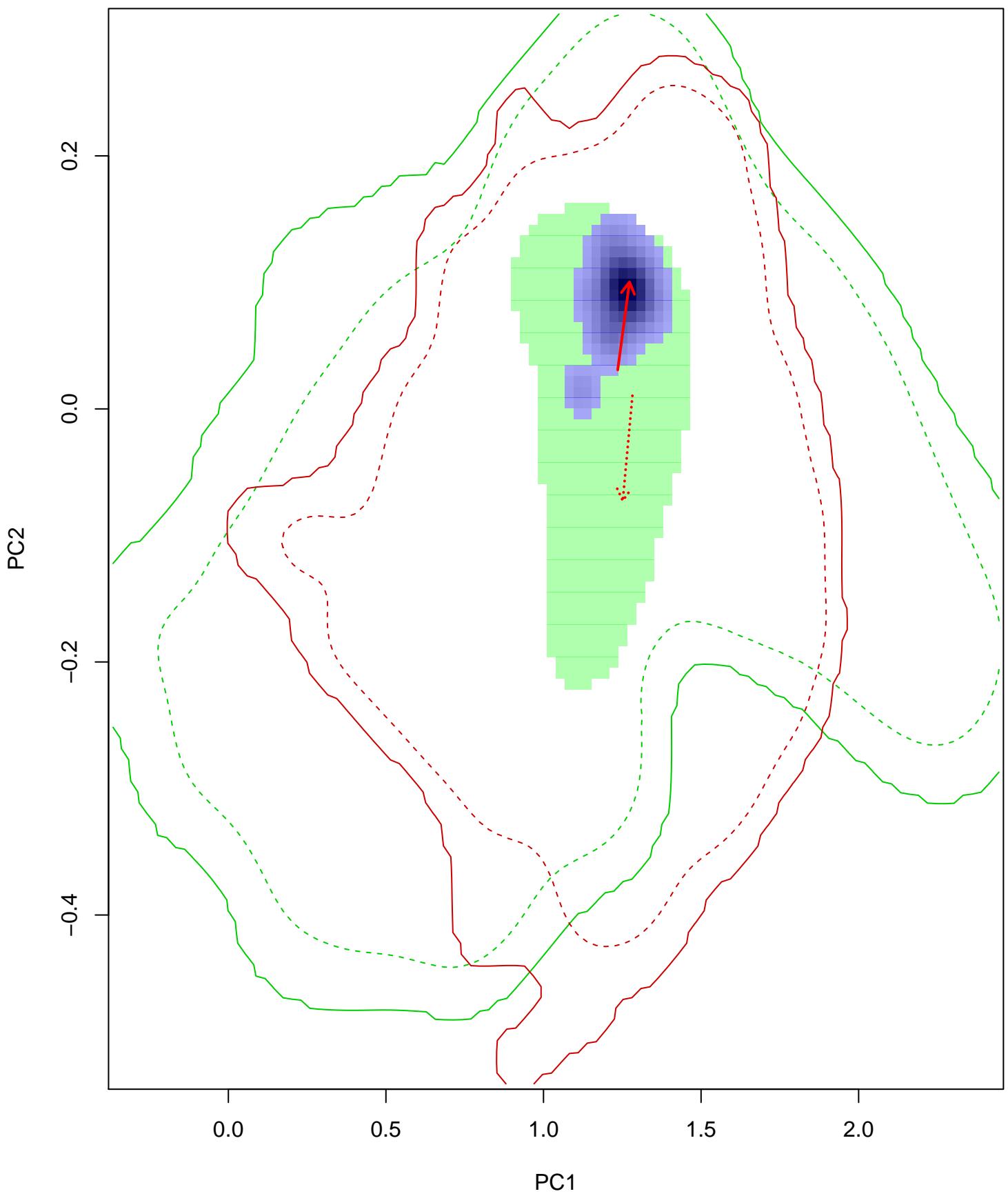
Similarity 2->1



Similarity 1→2

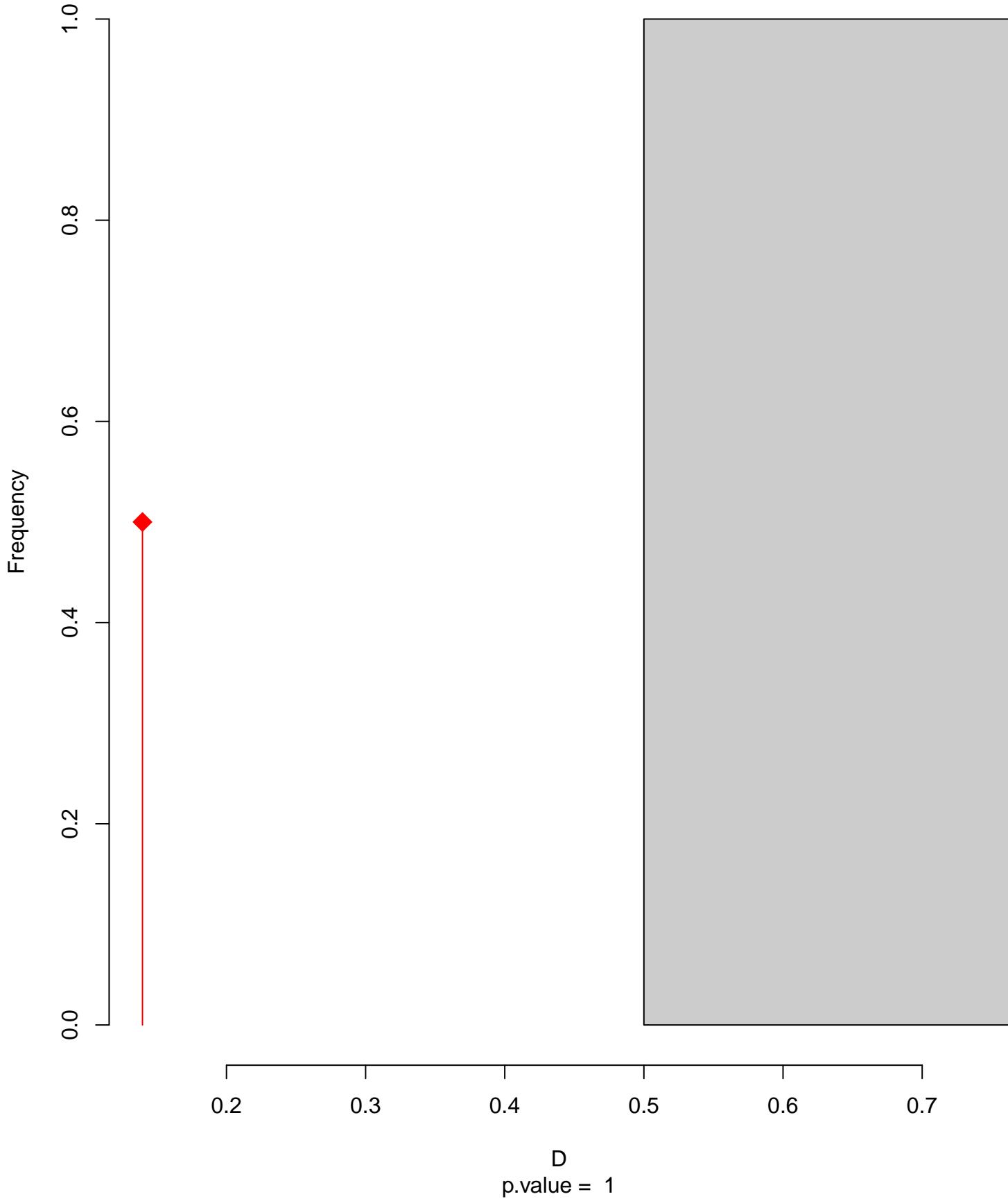


Phedina_brazzae seasonal overlap

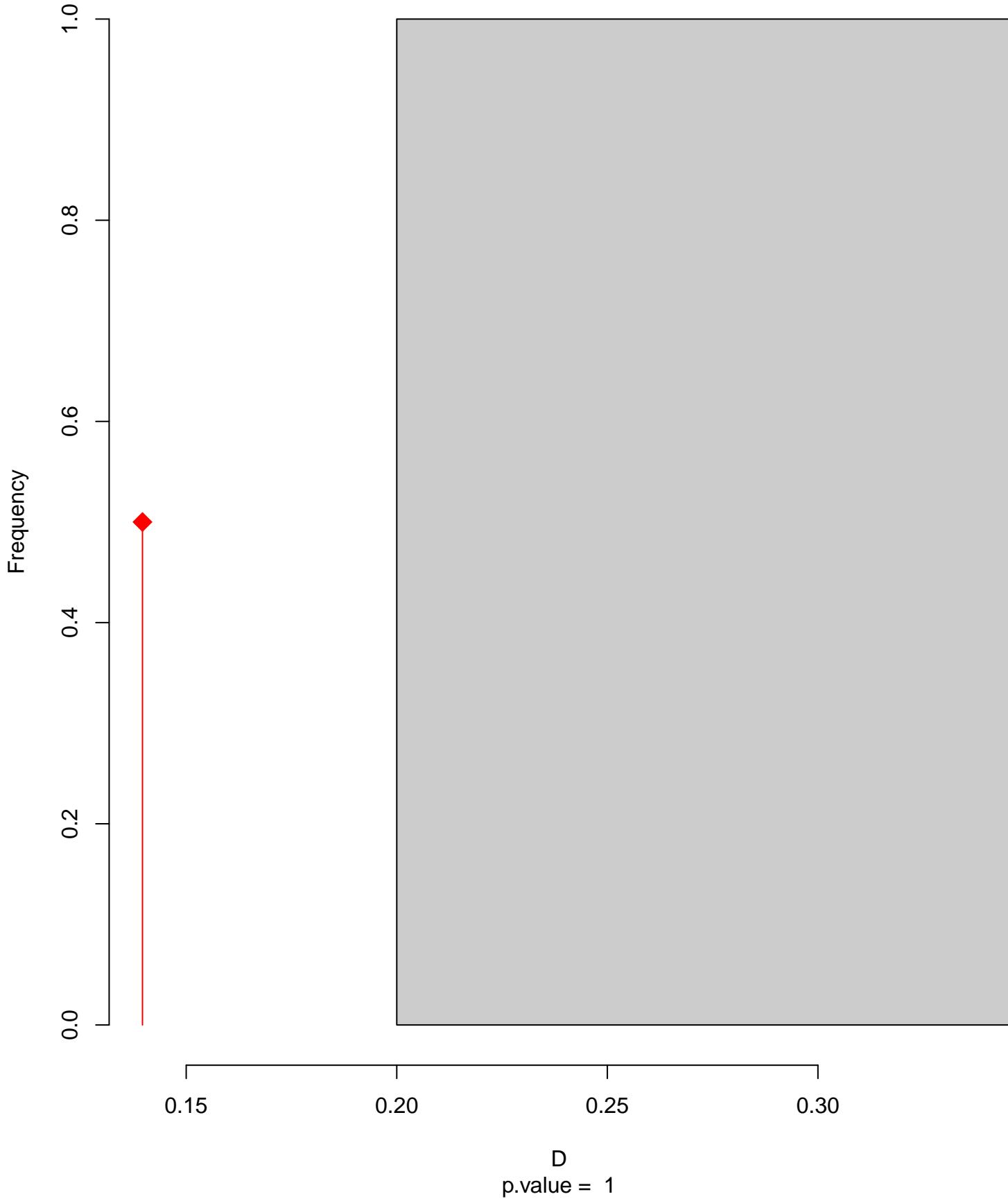


niche overlap:
 $D = 0.14$

Equivalency

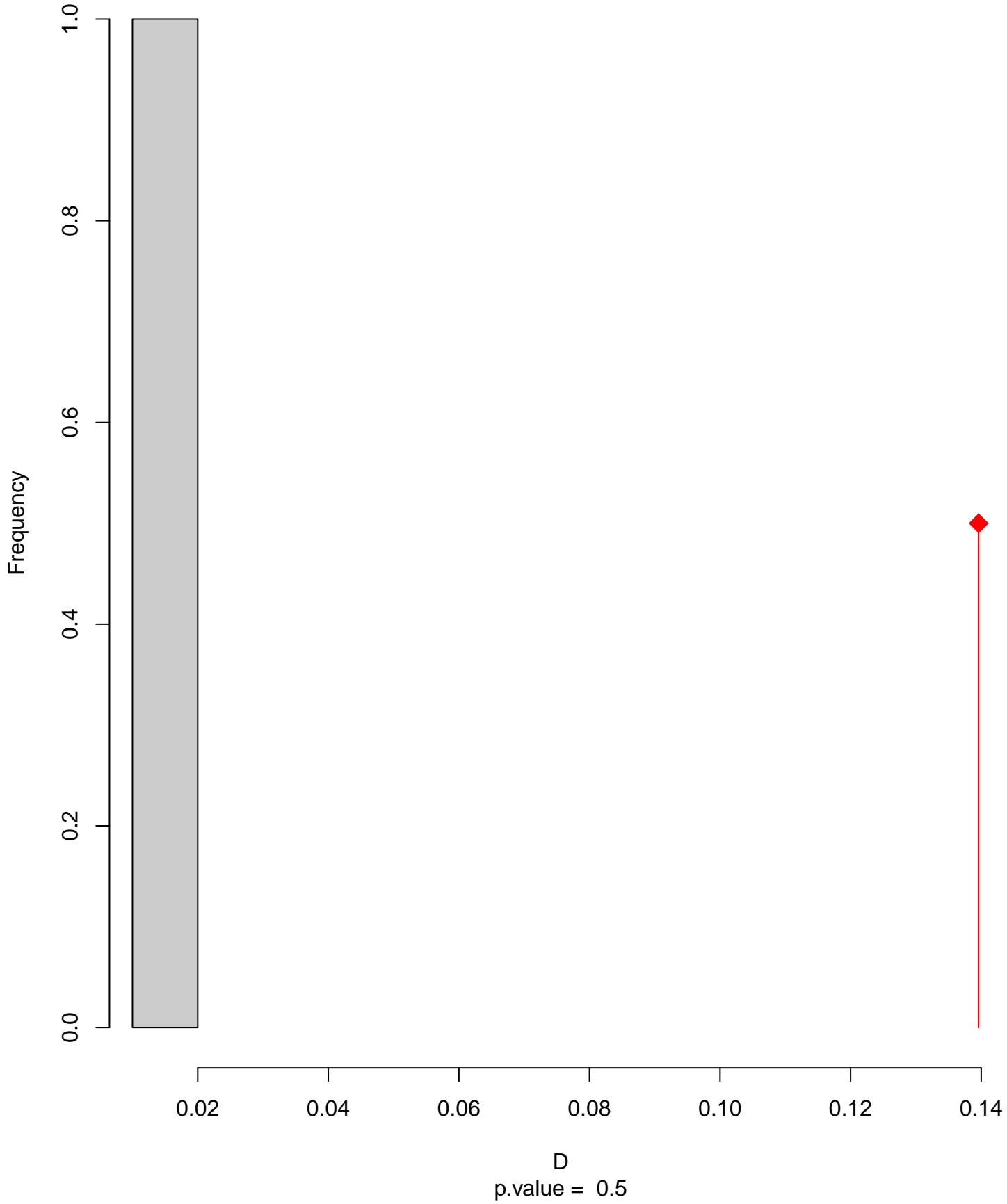


Similarity 2->1

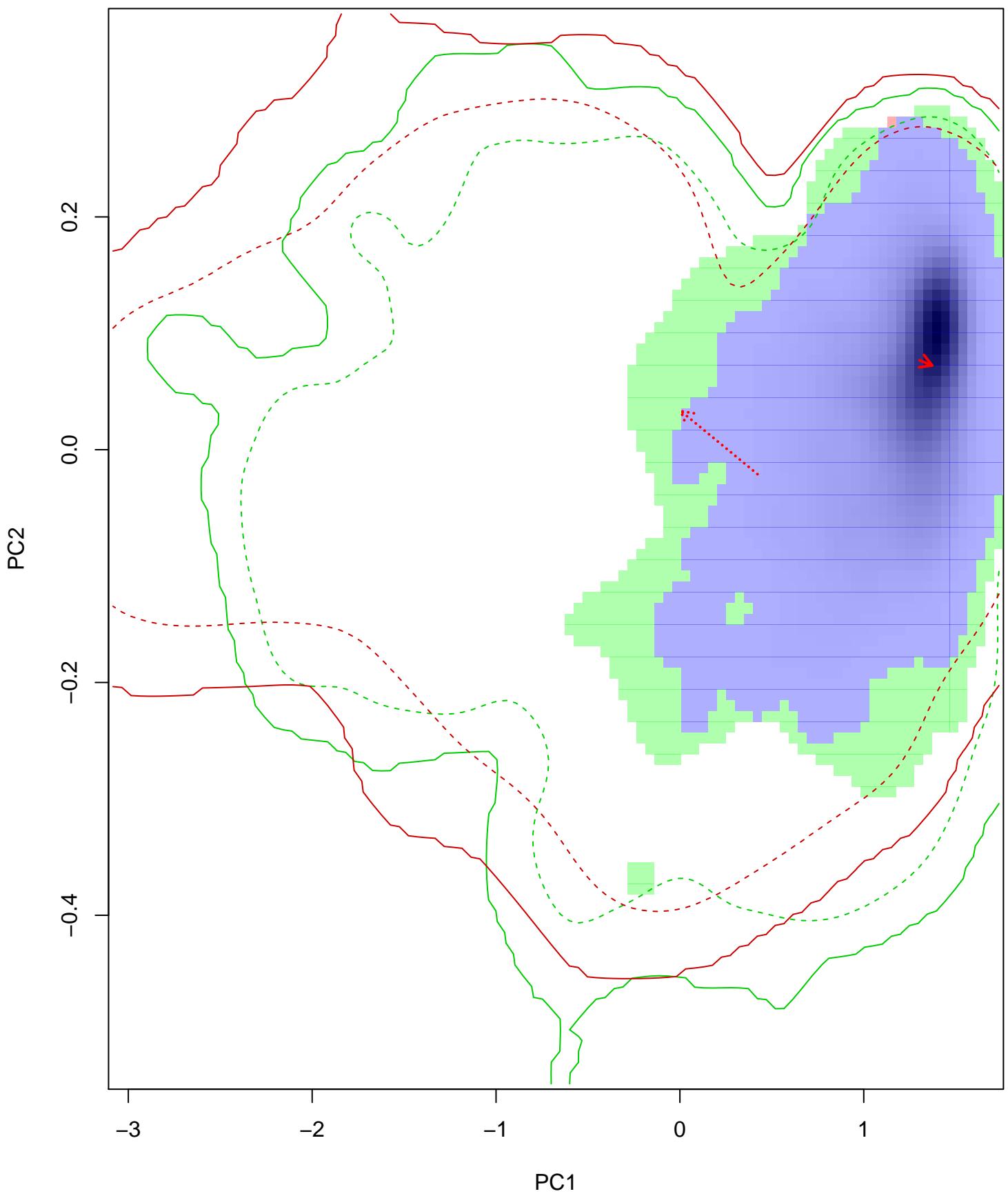


D
p.value = 1

Similarity 1→2

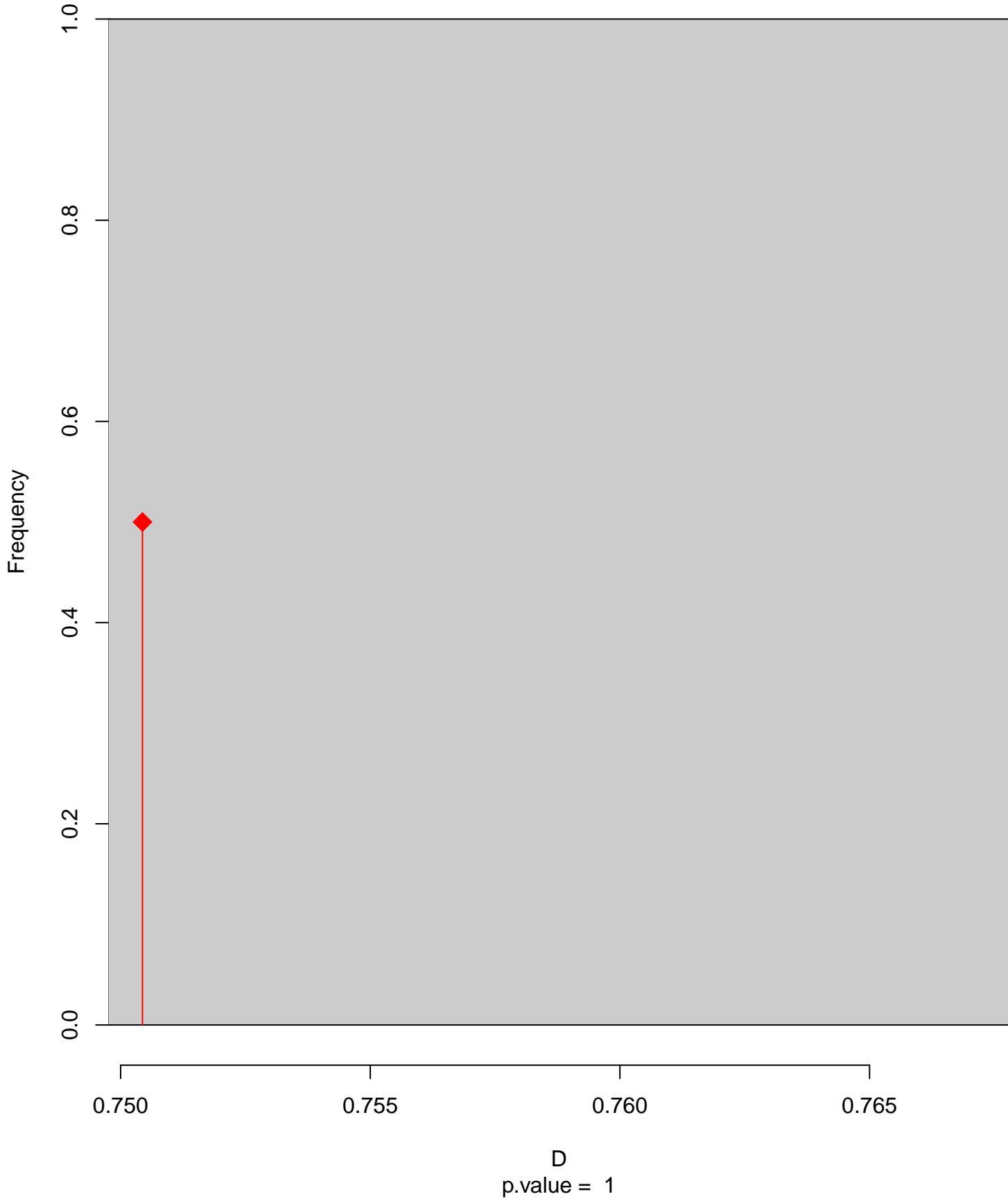


Progne_chalybea seasonal overlap

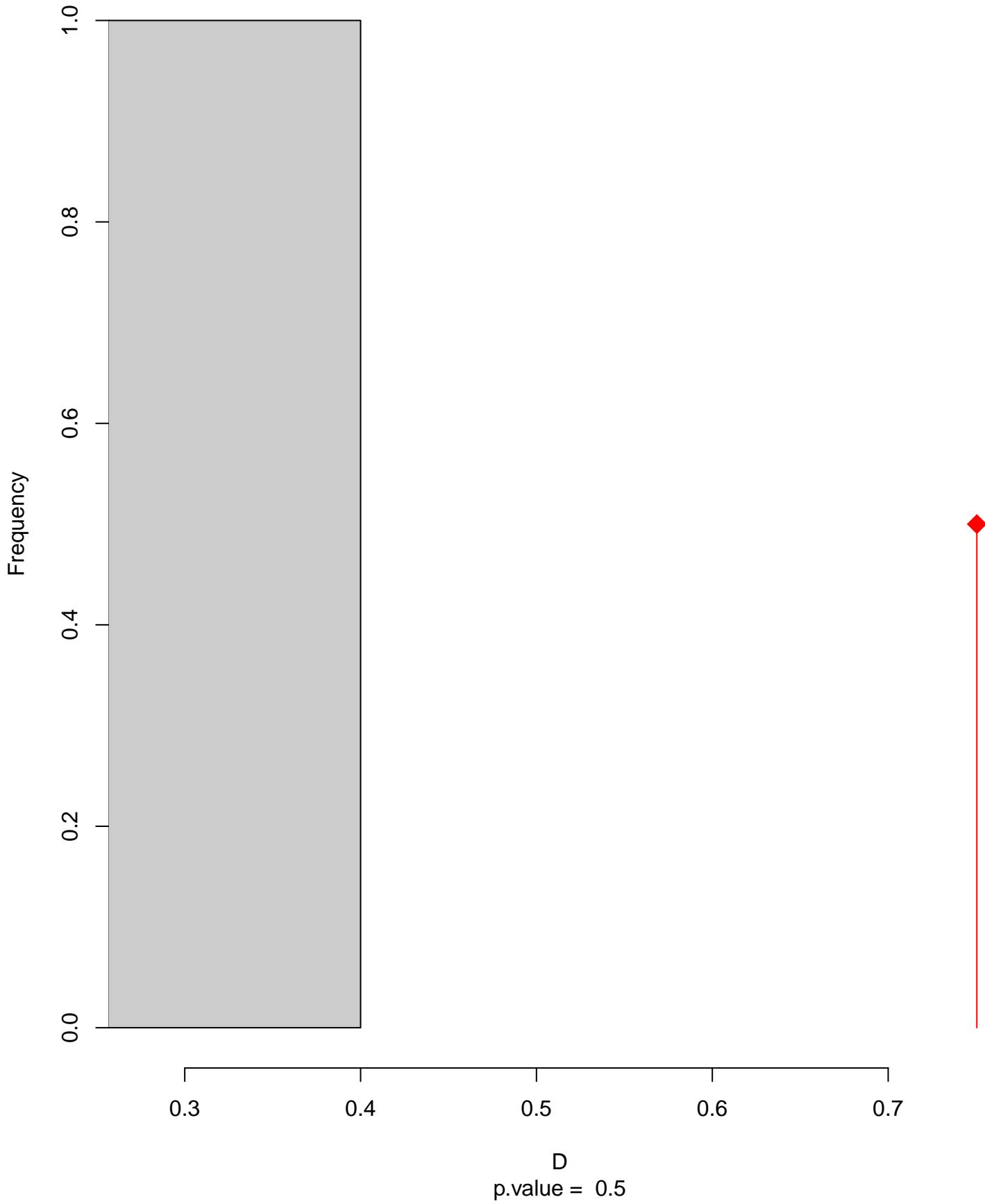


niche overlap:
 $D = 0.75$

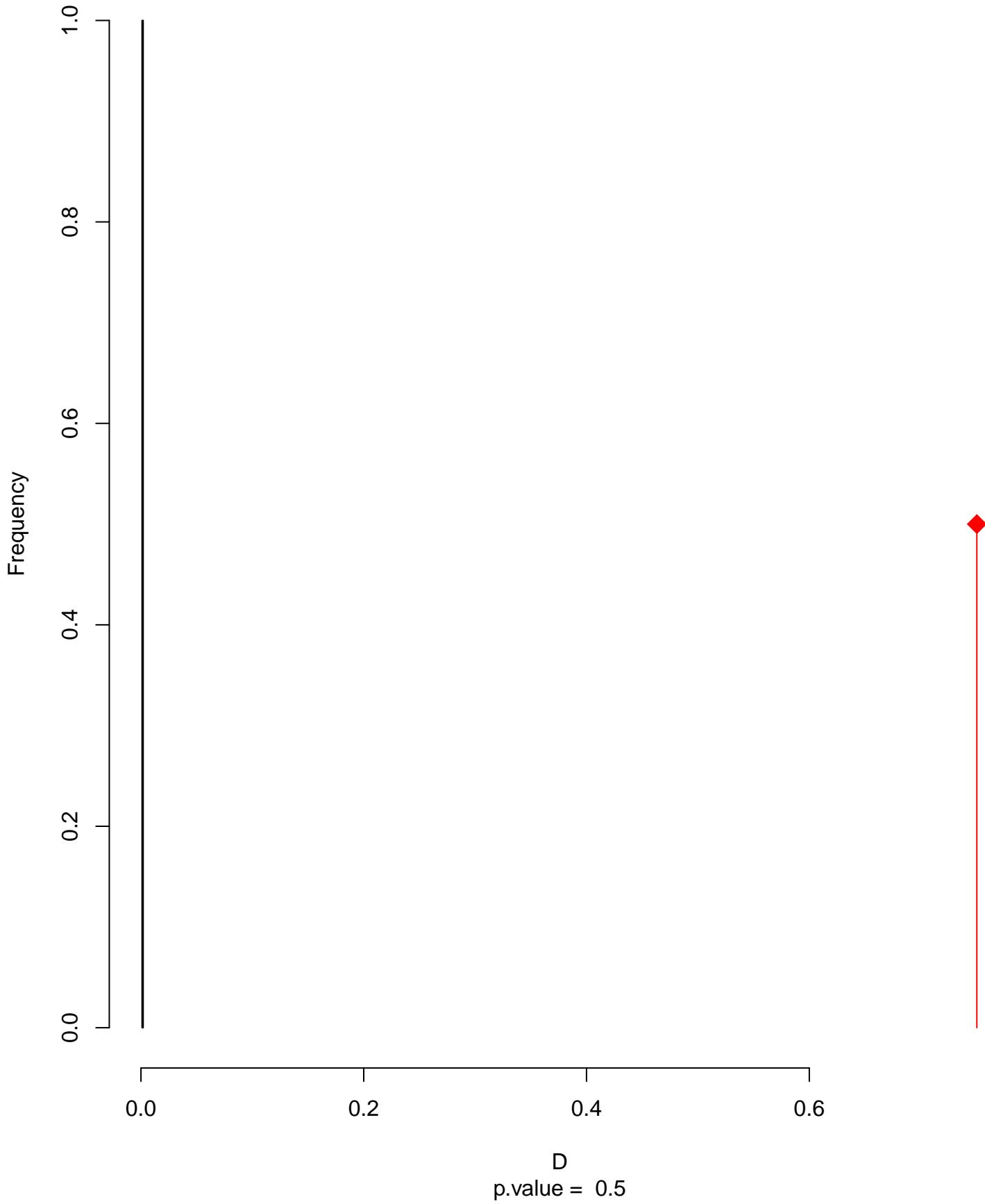
Equivalency



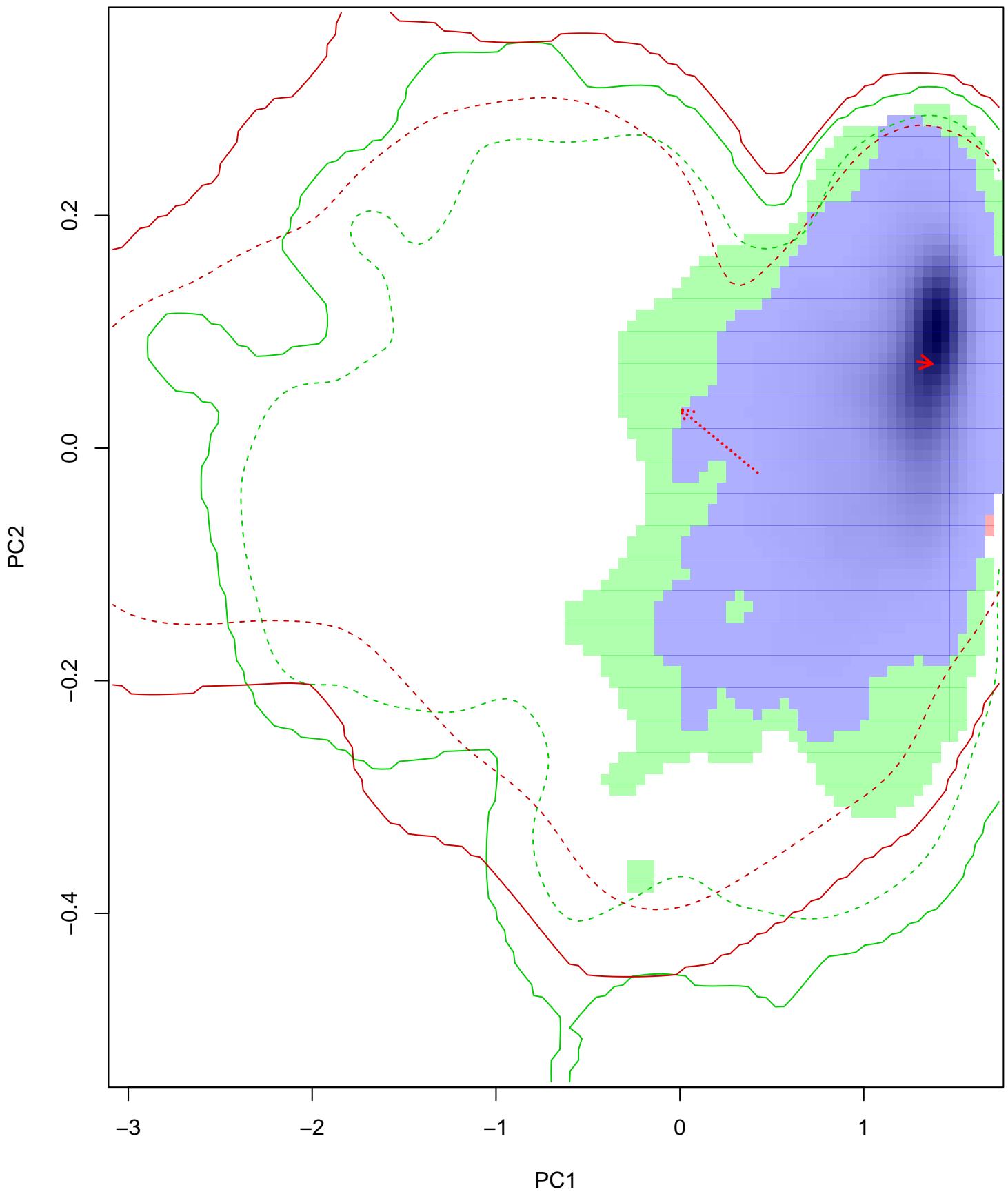
Similarity 2->1



Similarity 1→2

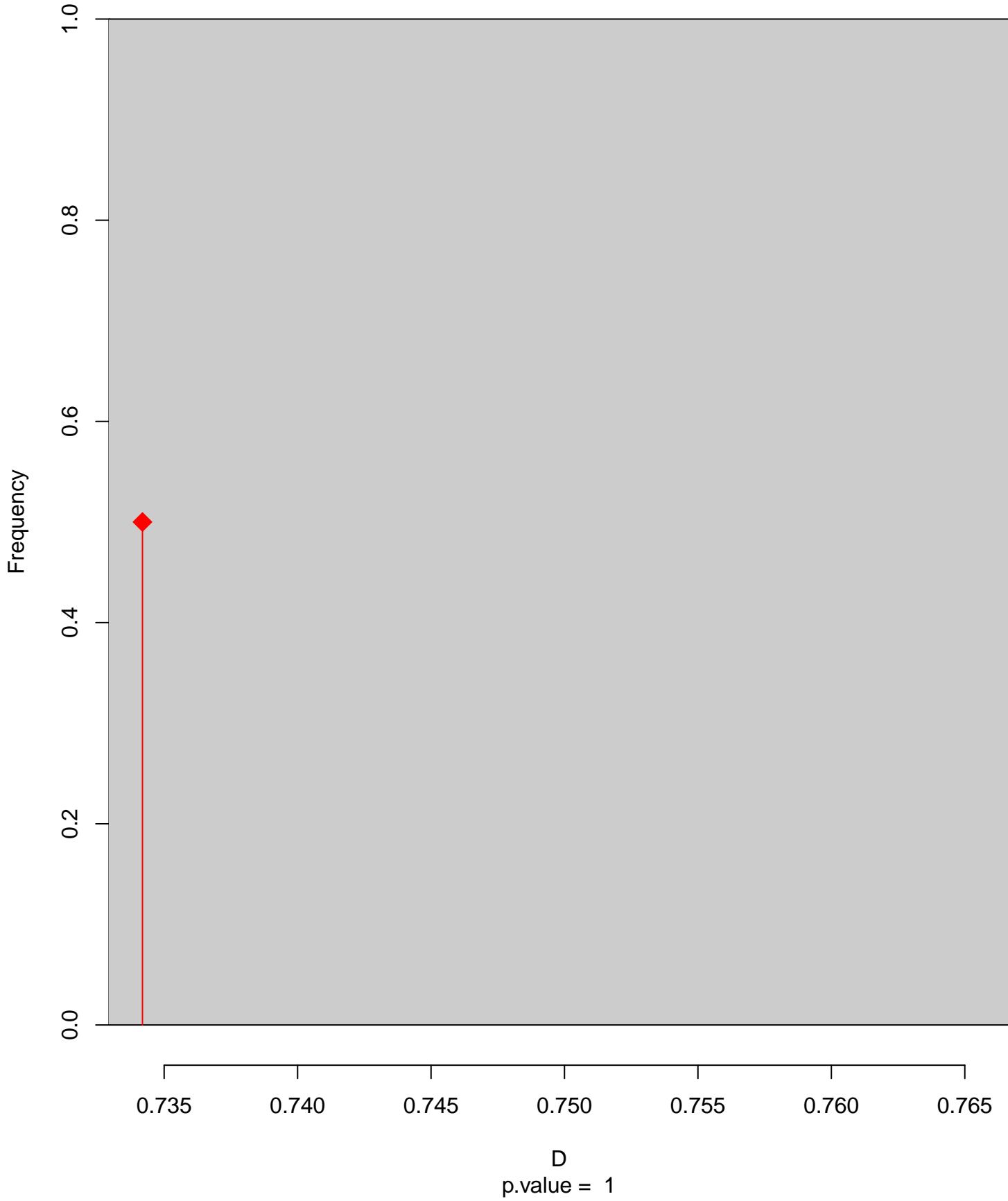


Progne_chalybea seasonal overlap-hypo.br

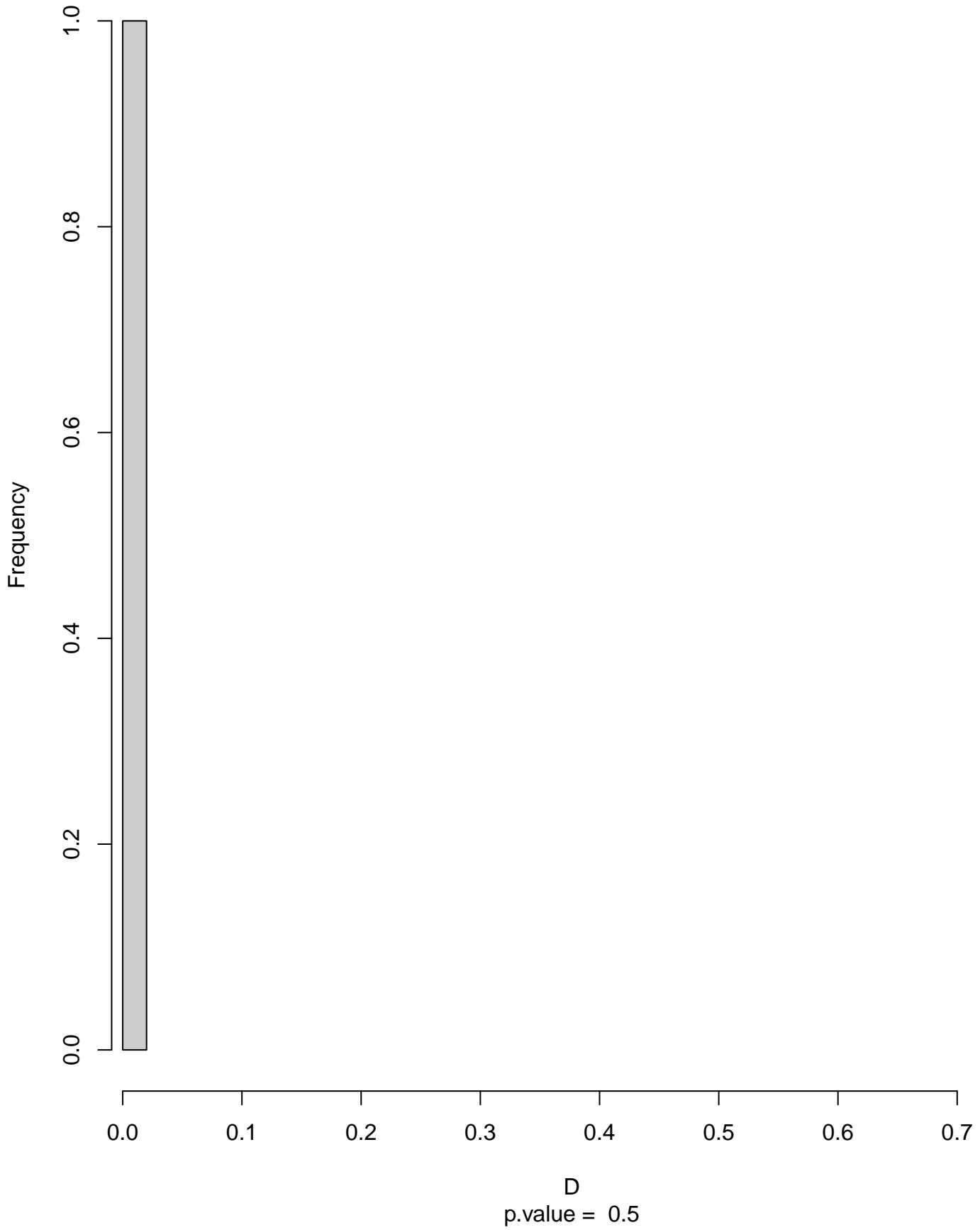


niche overlap:
 $D = 0.734$

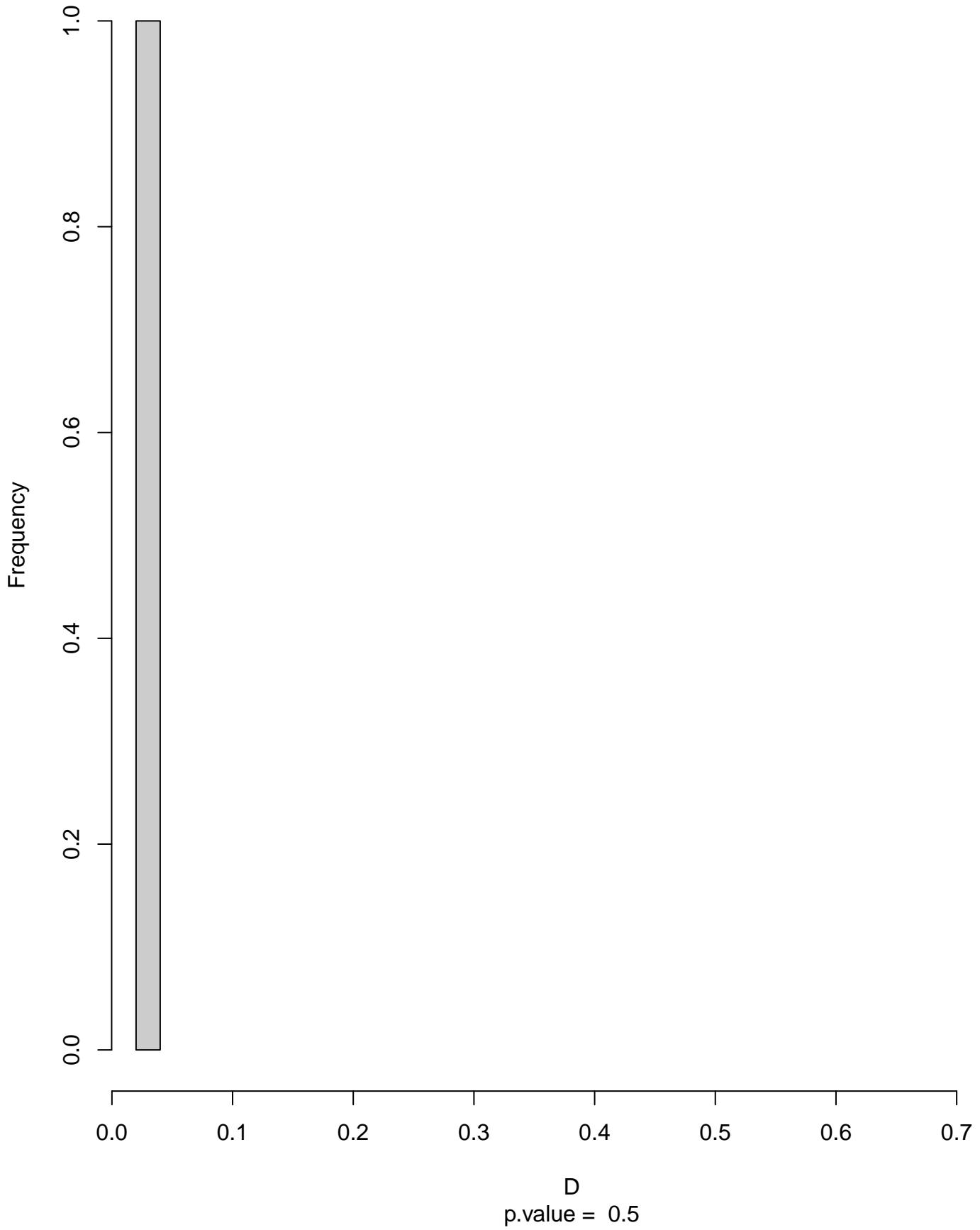
Equivalency



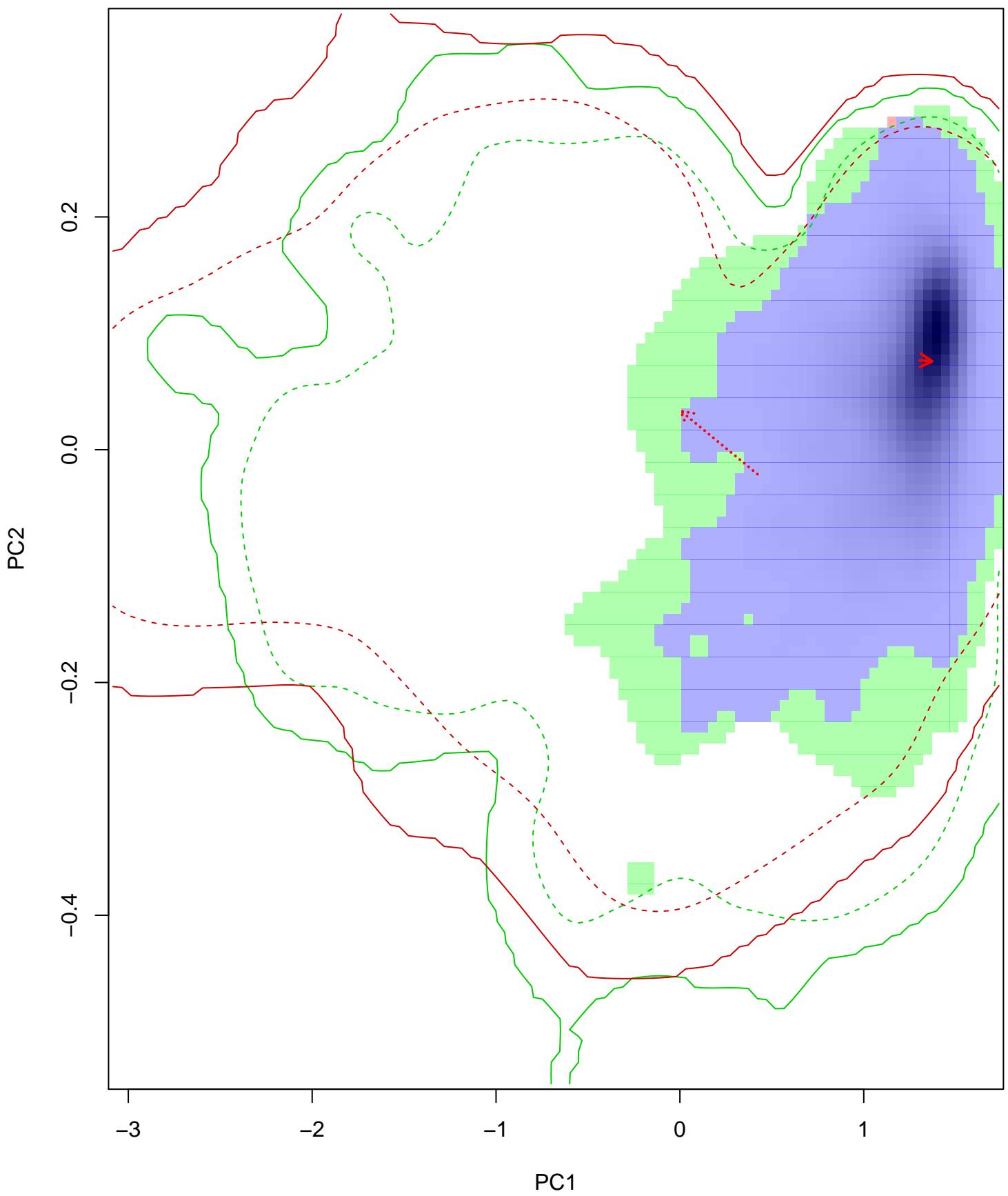
Similarity 2->1



Similarity 1→2

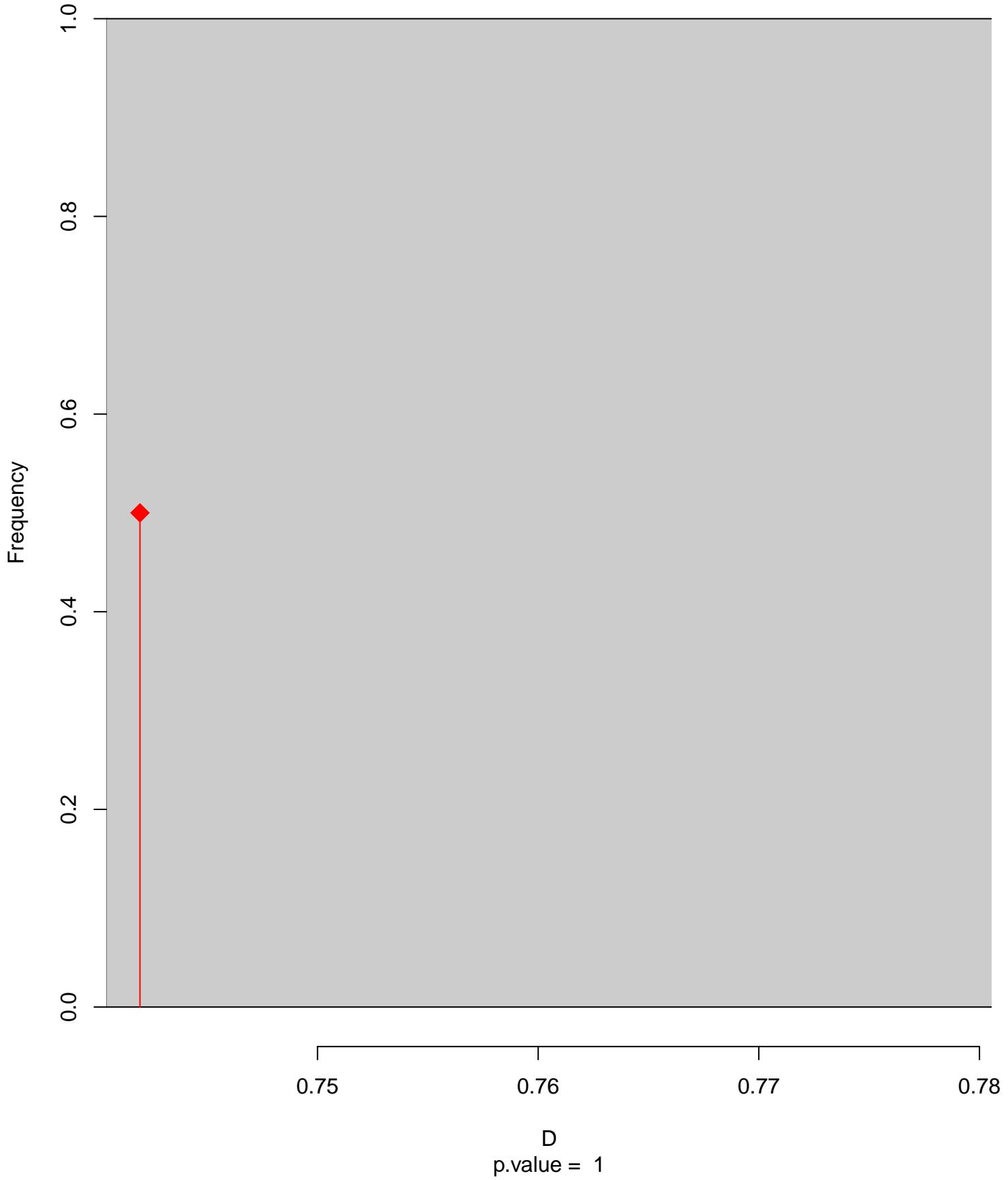


Progne_chalybea seasonal overlap-hypo wi

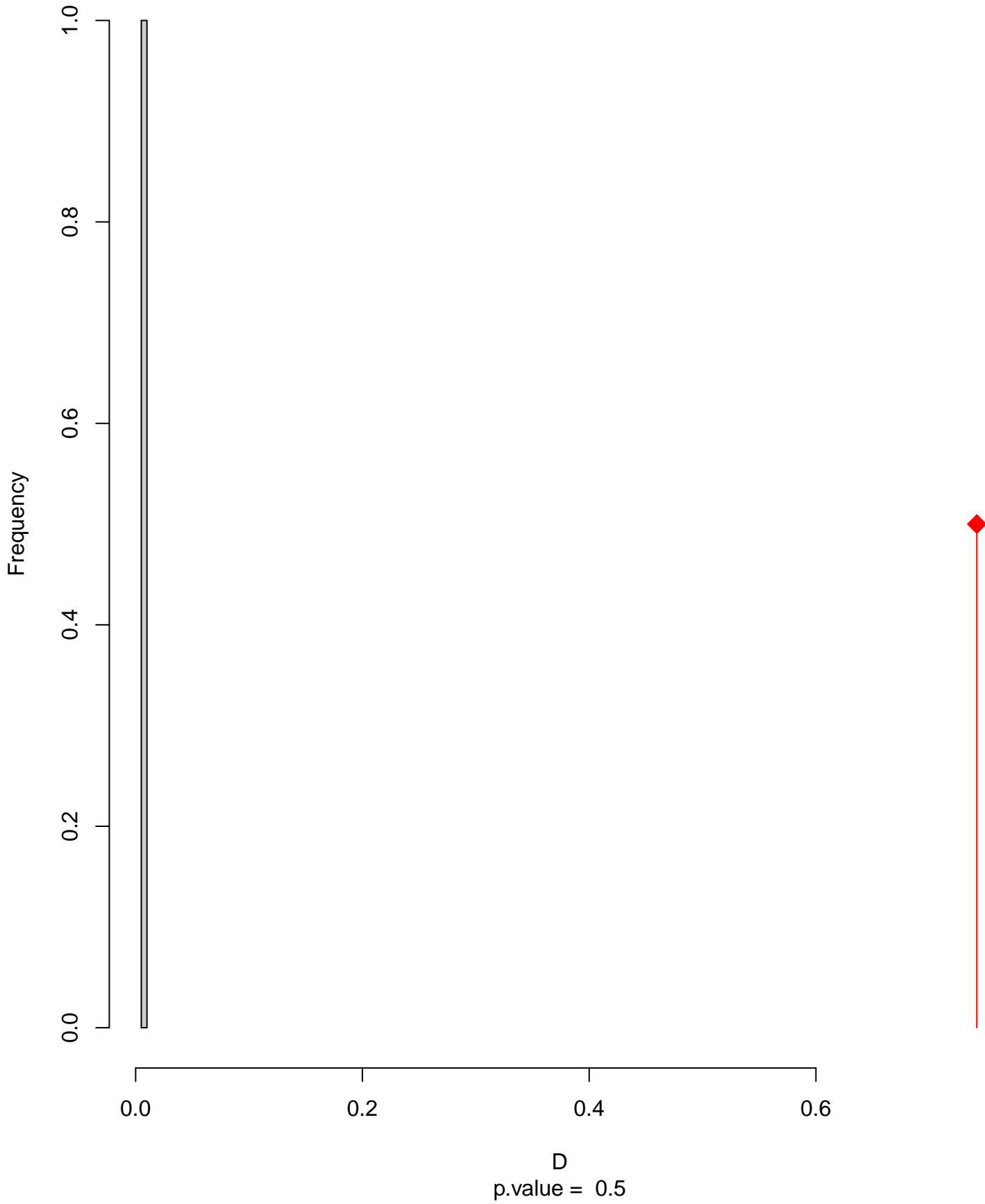


niche overlap:
 $D = 0.742$

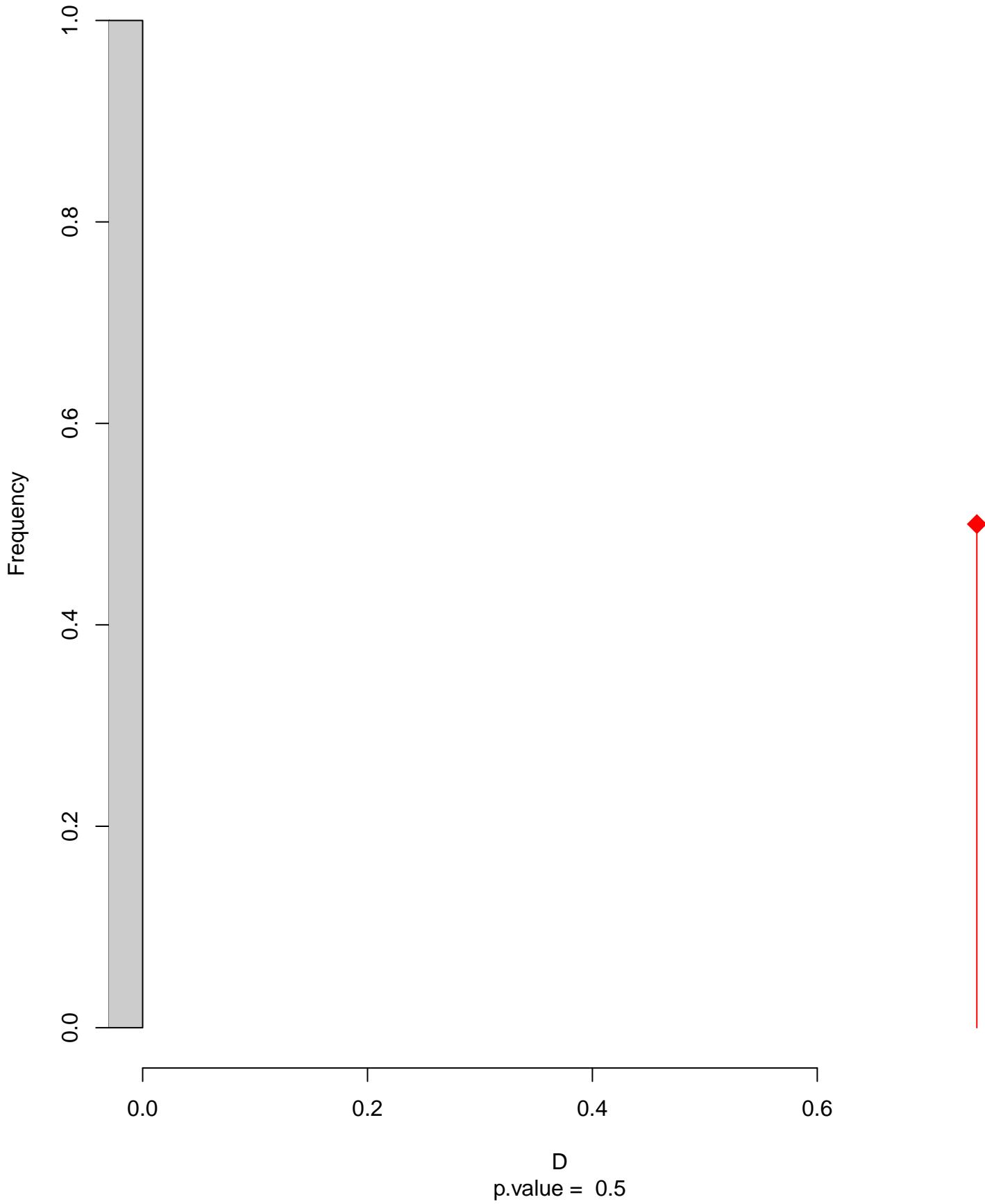
Equivalency



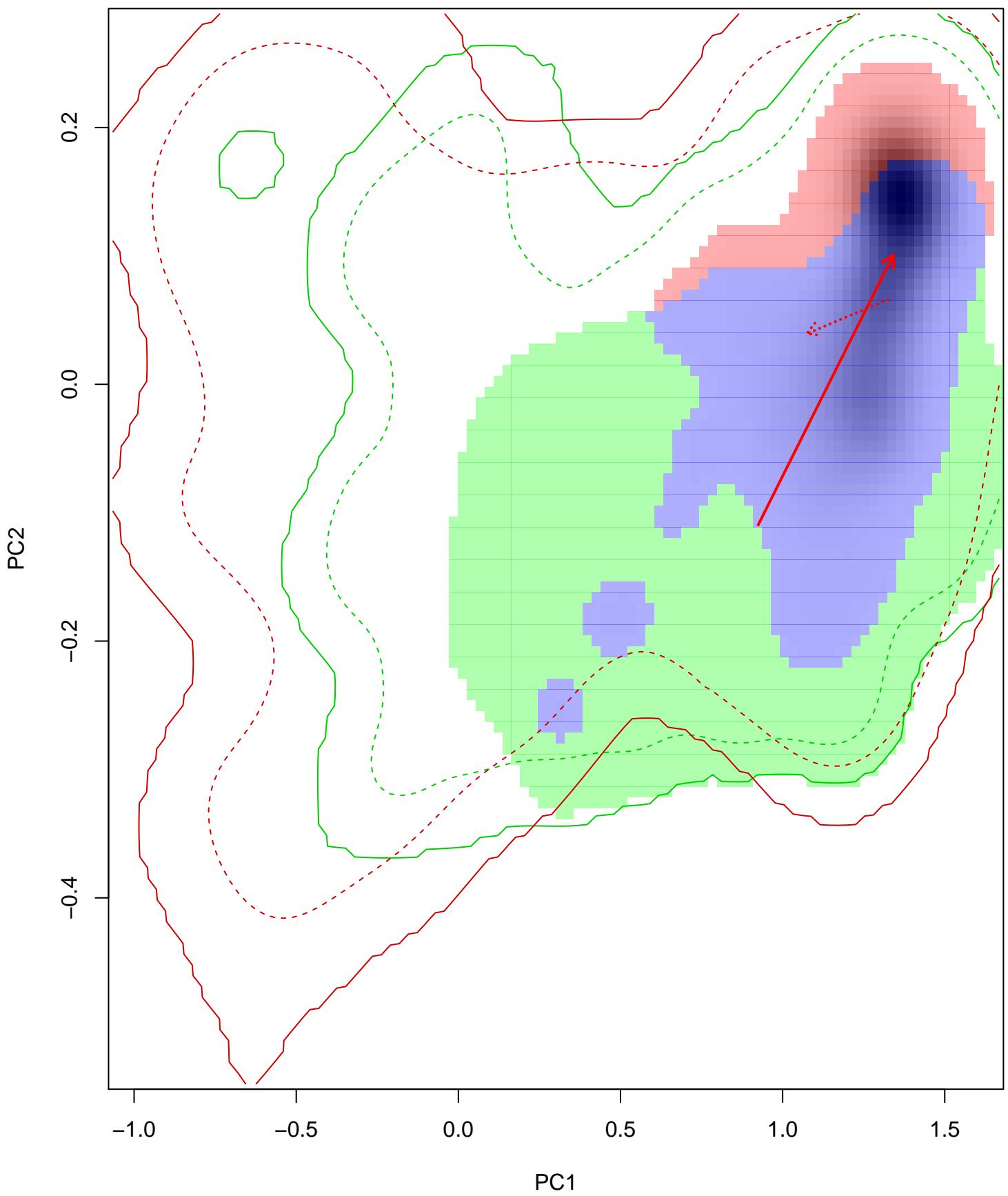
Similarity 2->1



Similarity 1→2

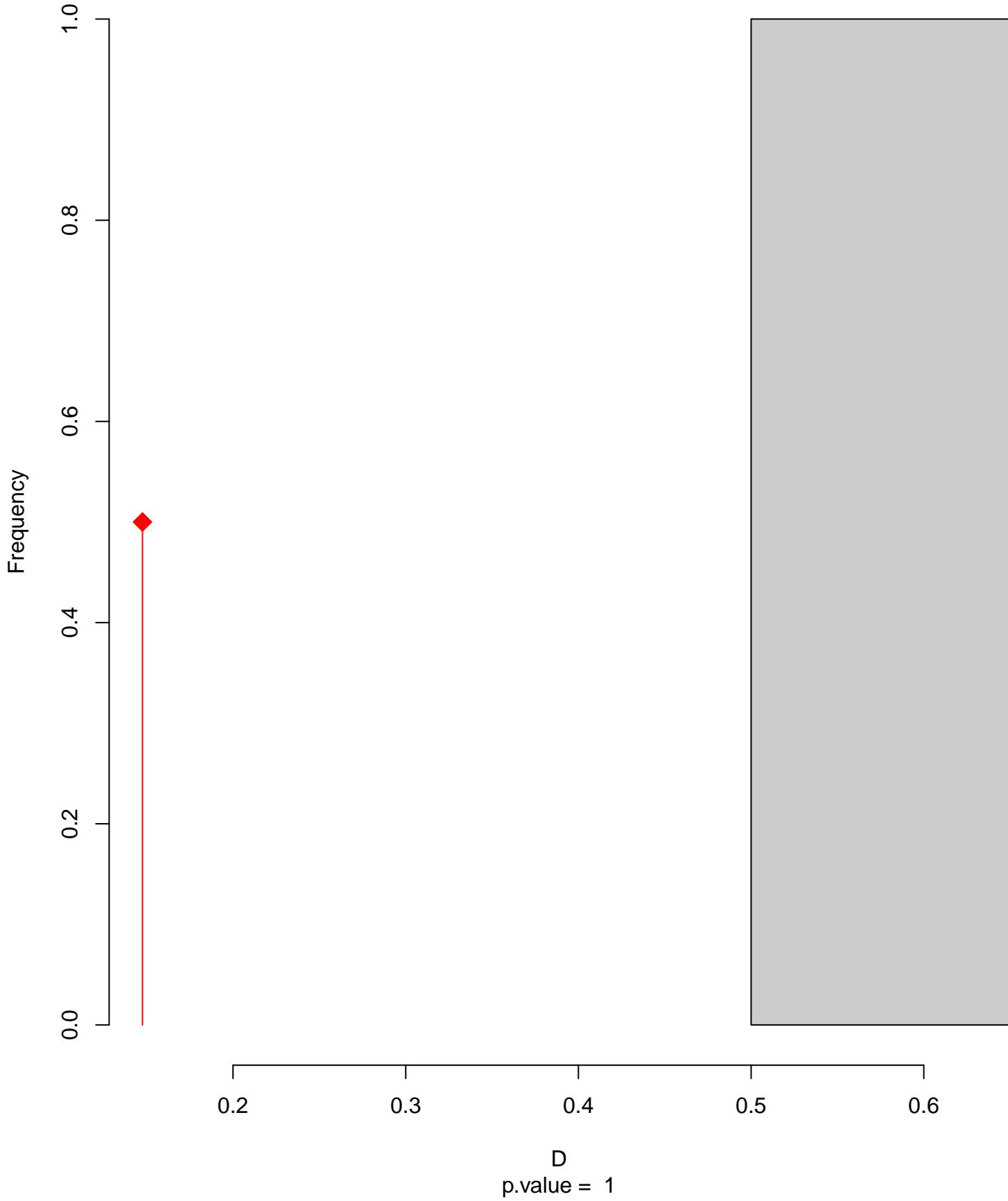


Progne_elegans seasonal overlap

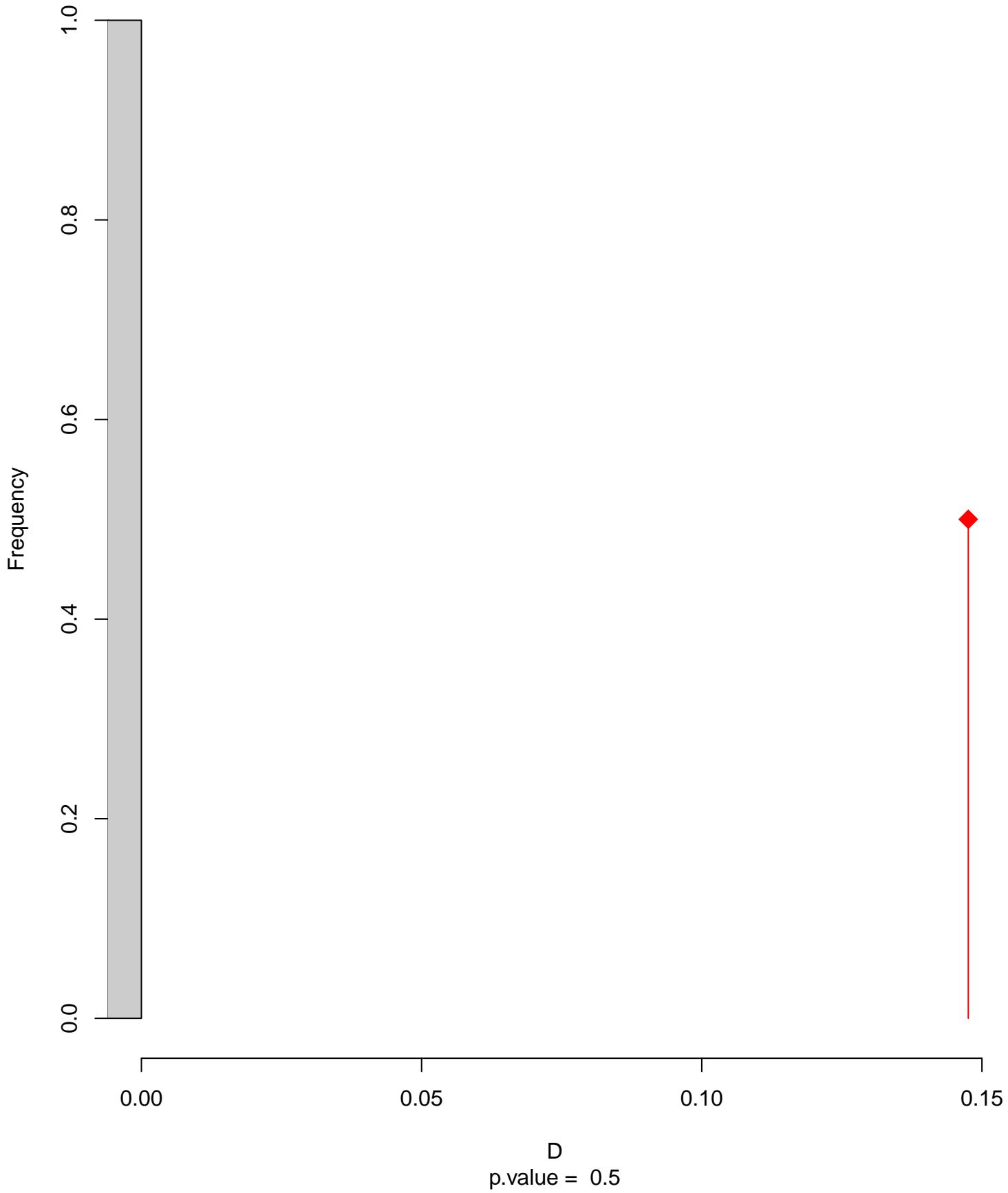


niche overlap:
 $D = 0.148$

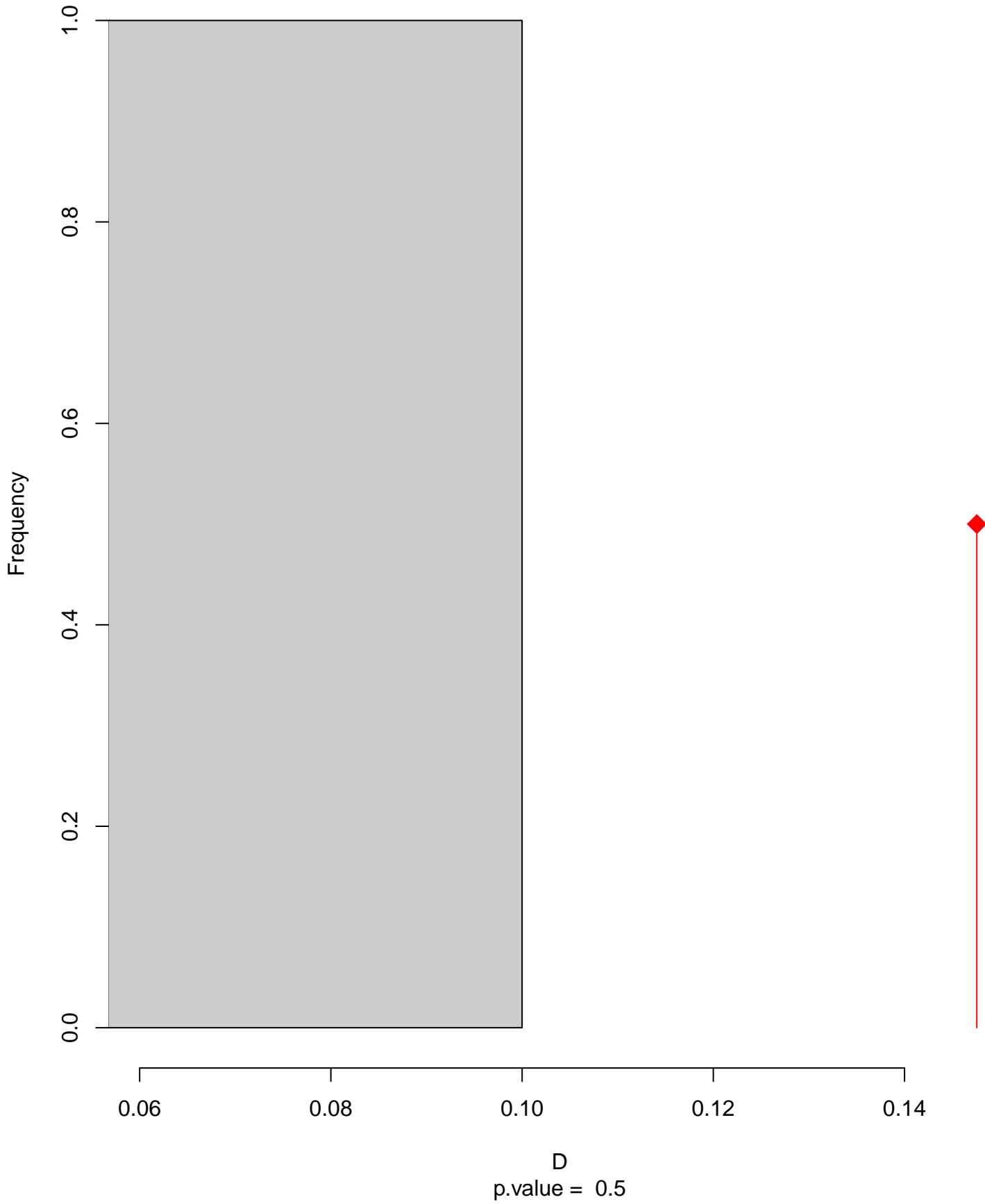
Equivalency



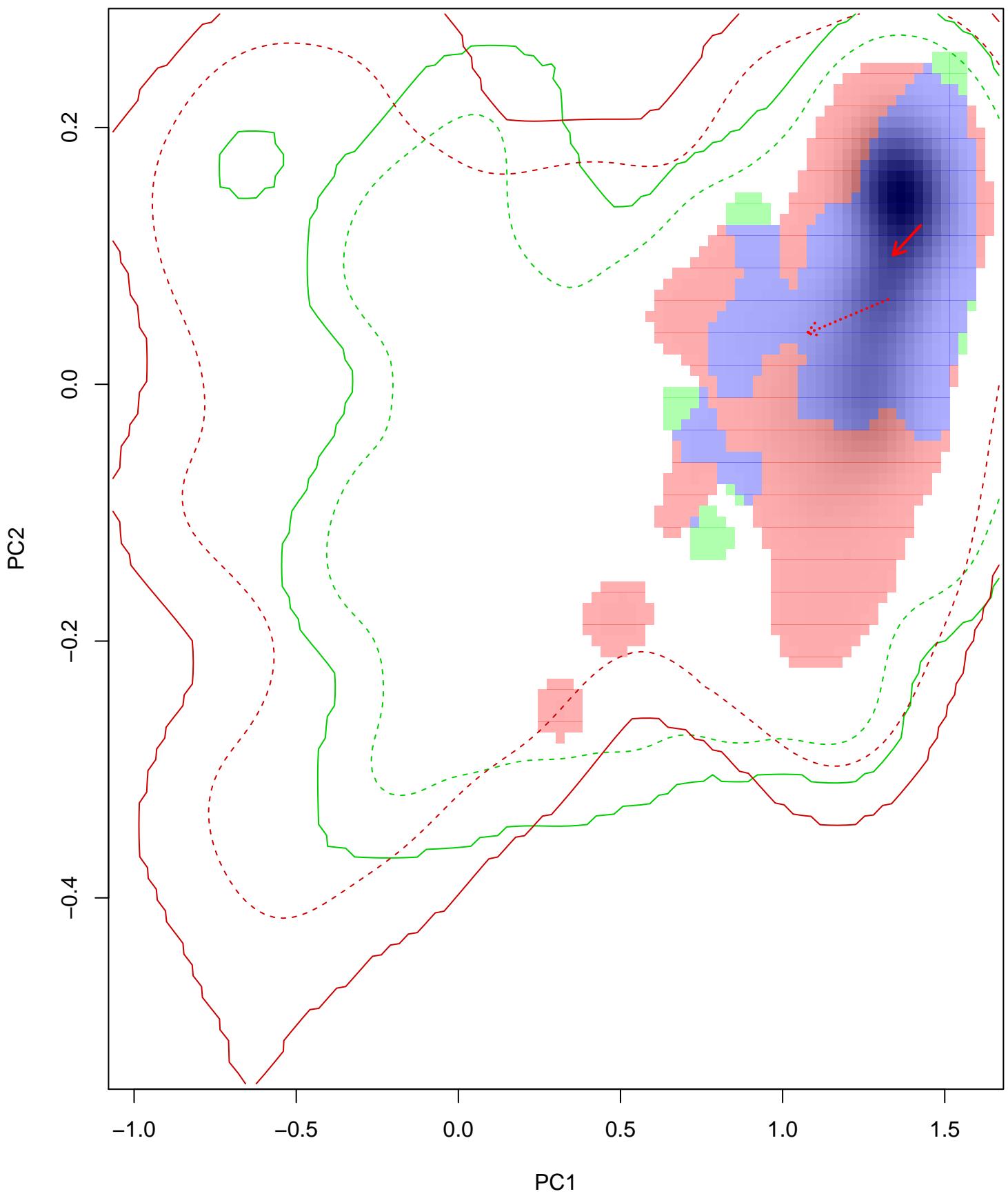
Similarity 2->1



Similarity 1→2

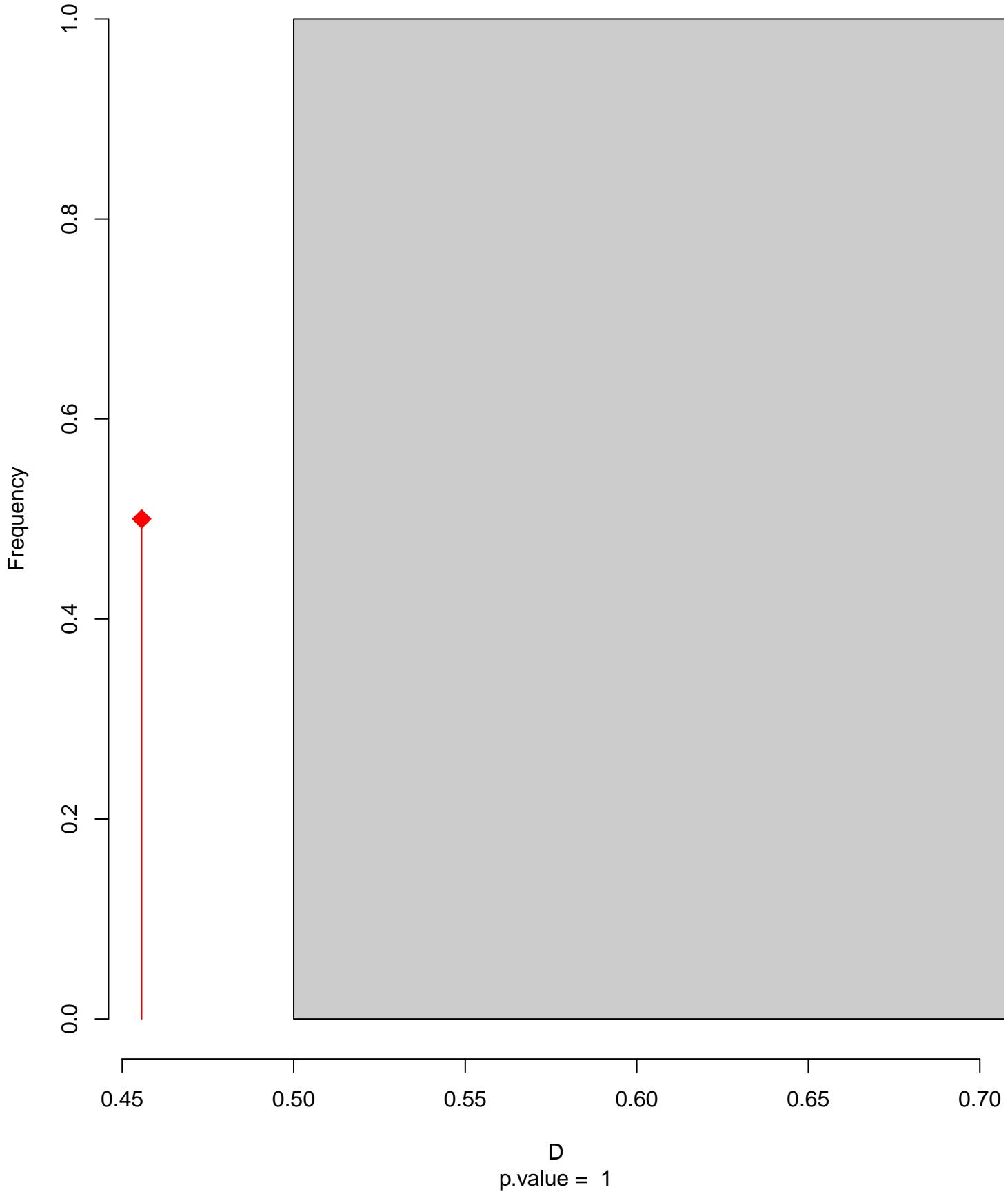


Progne_elegans seasonal overlap-hypo.br

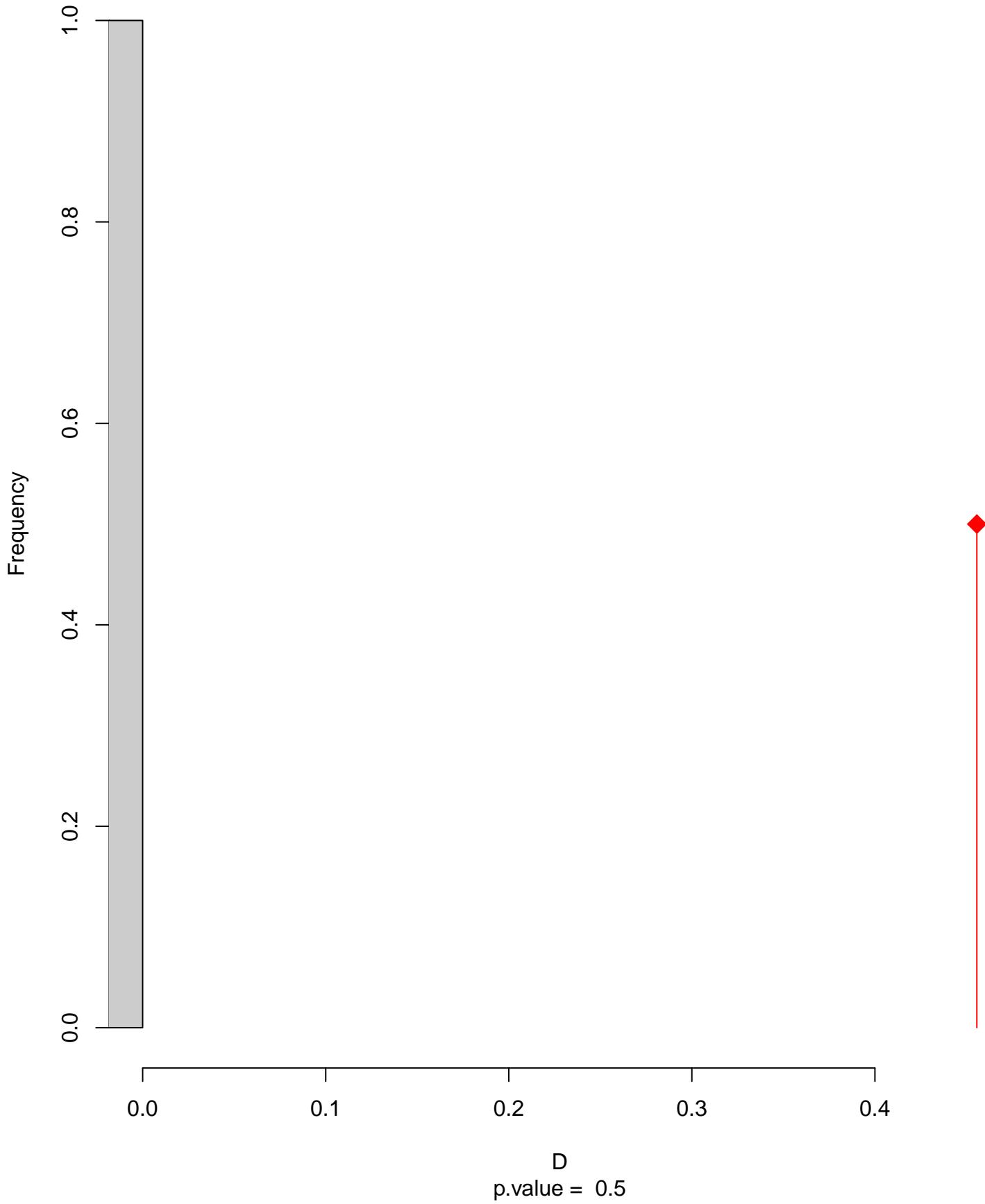


niche overlap:
 $D = 0.456$

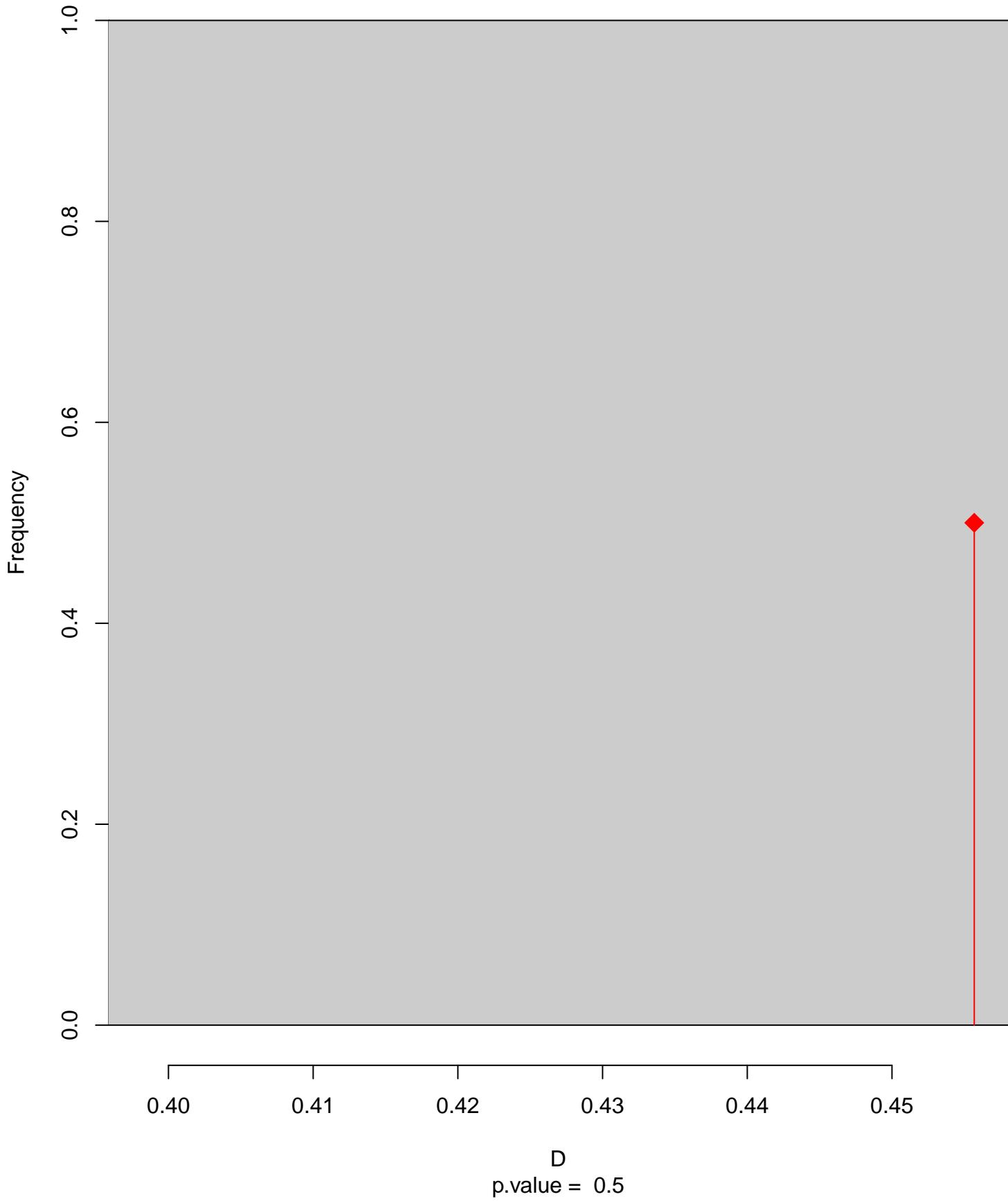
Equivalency



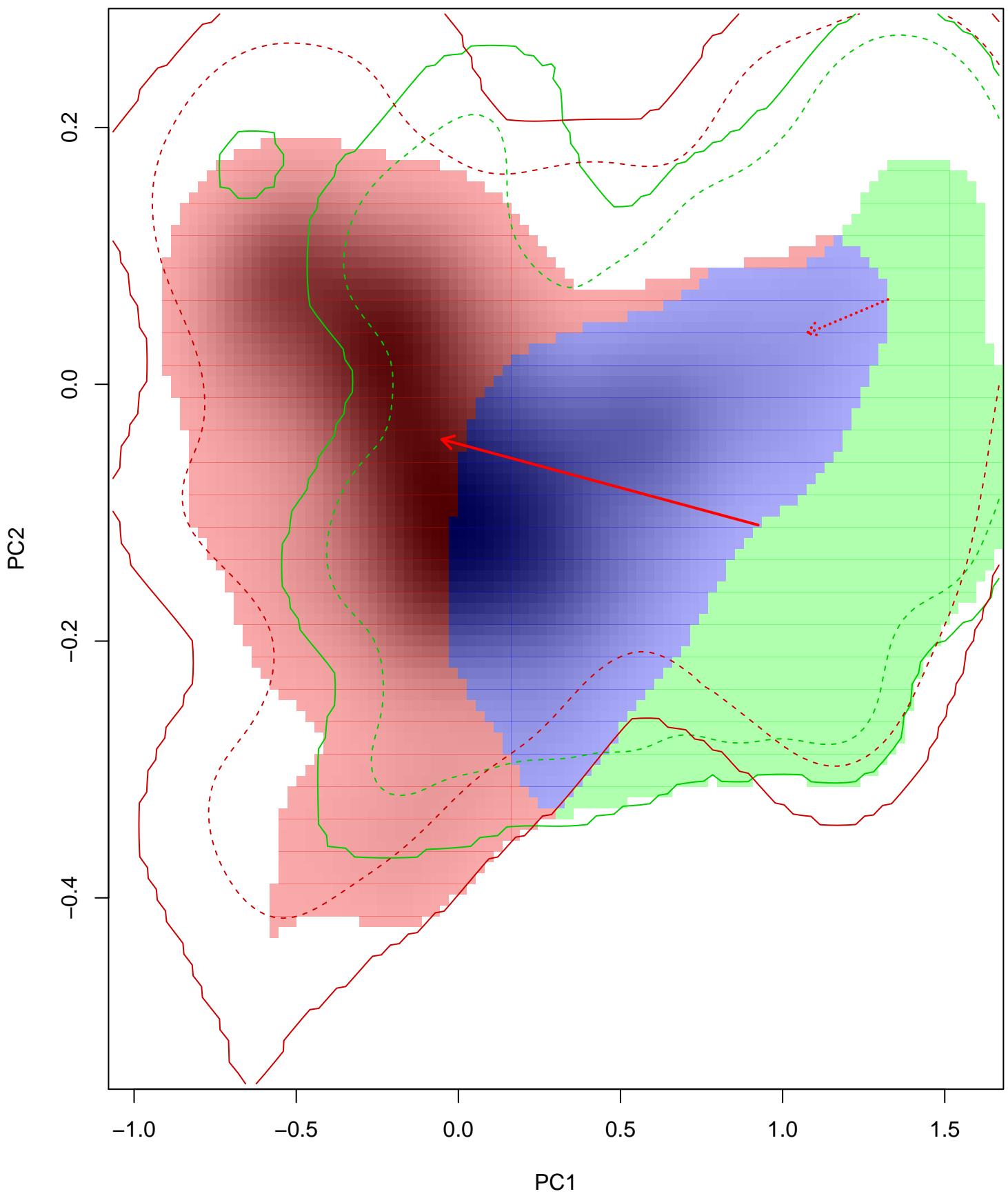
Similarity 2->1



Similarity 1→2

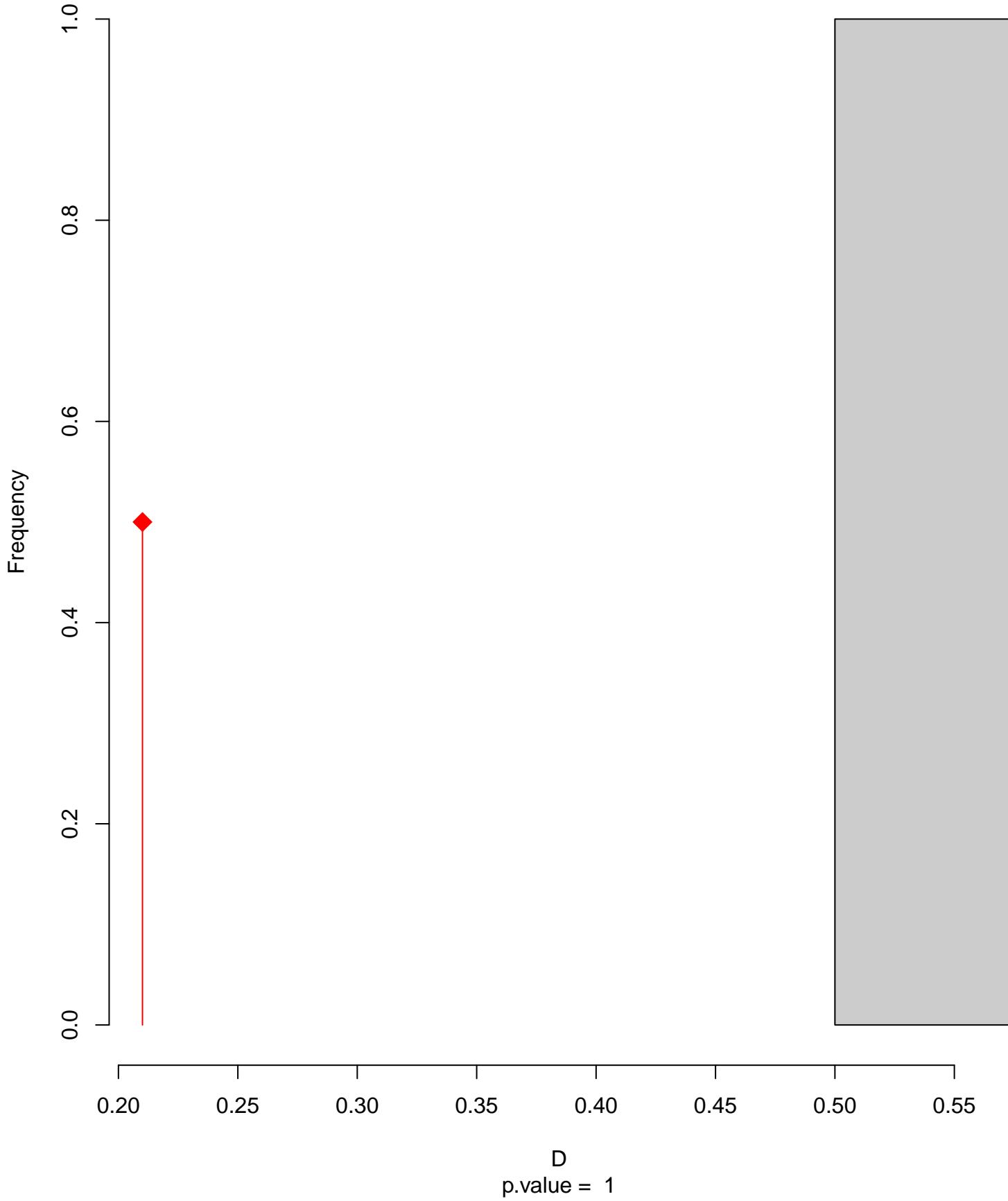


Progne_elegans seasonal overlap-hypo wi

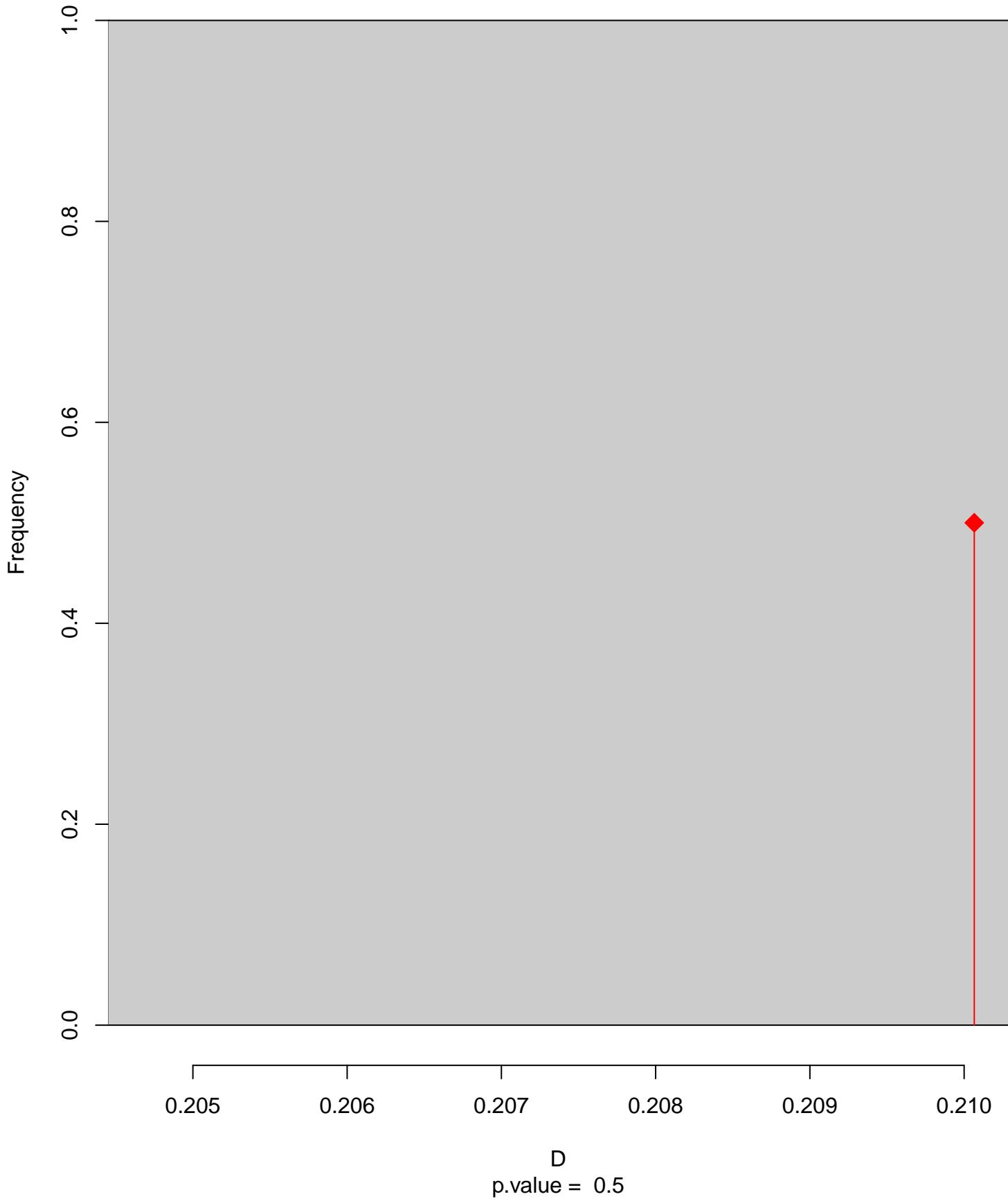


niche overlap:
 $D = 0.21$

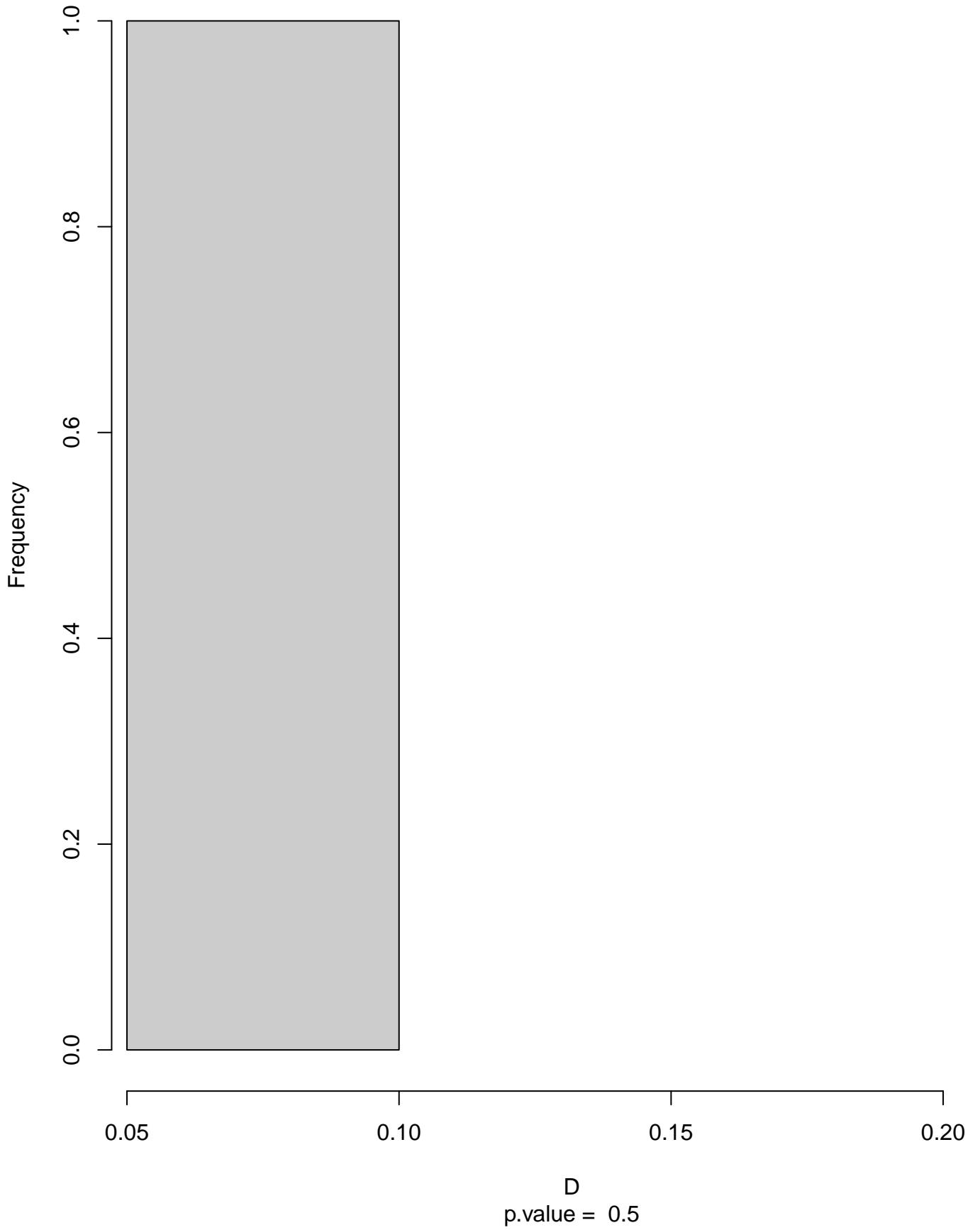
Equivalency



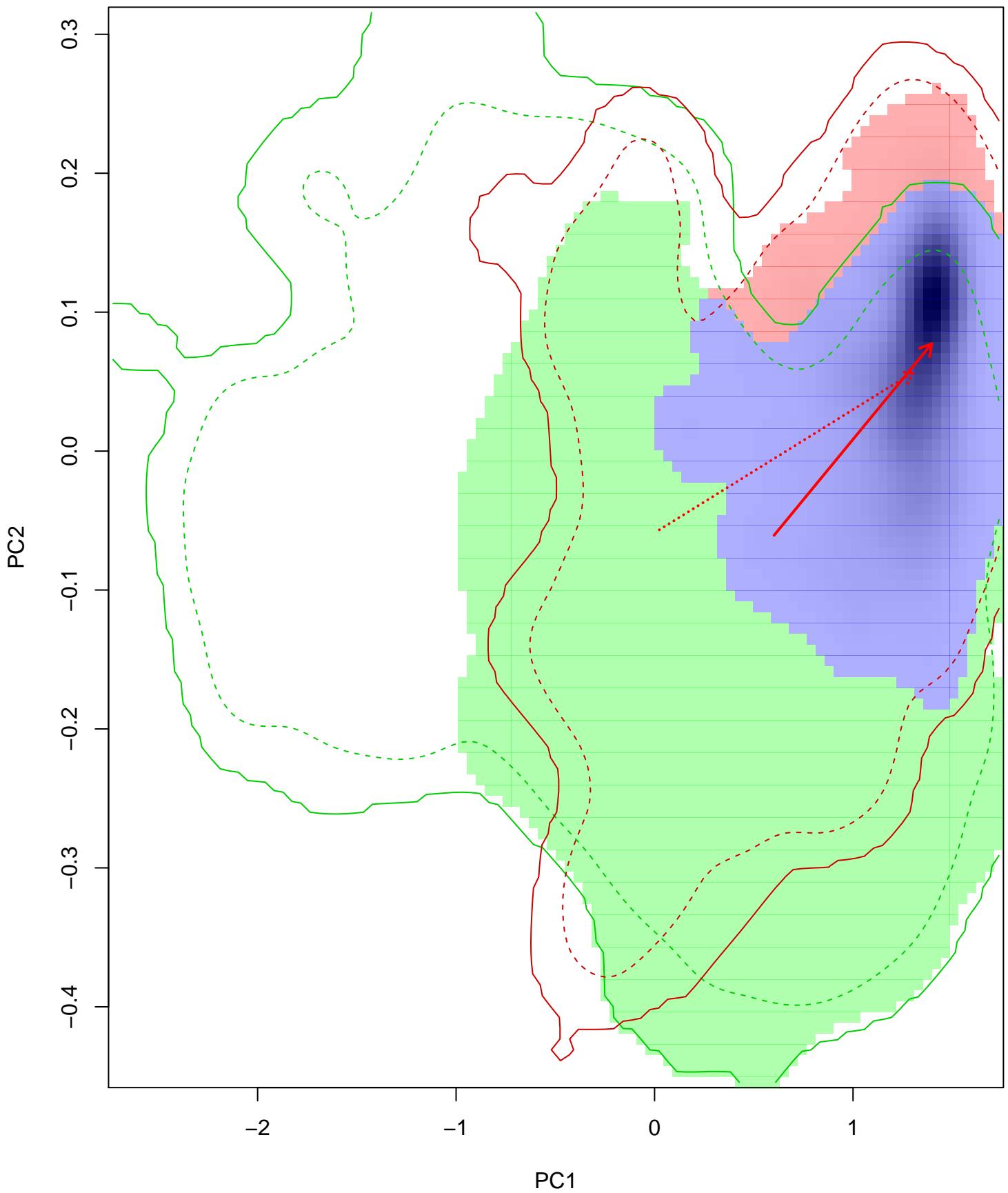
Similarity 2->1



Similarity 1→2

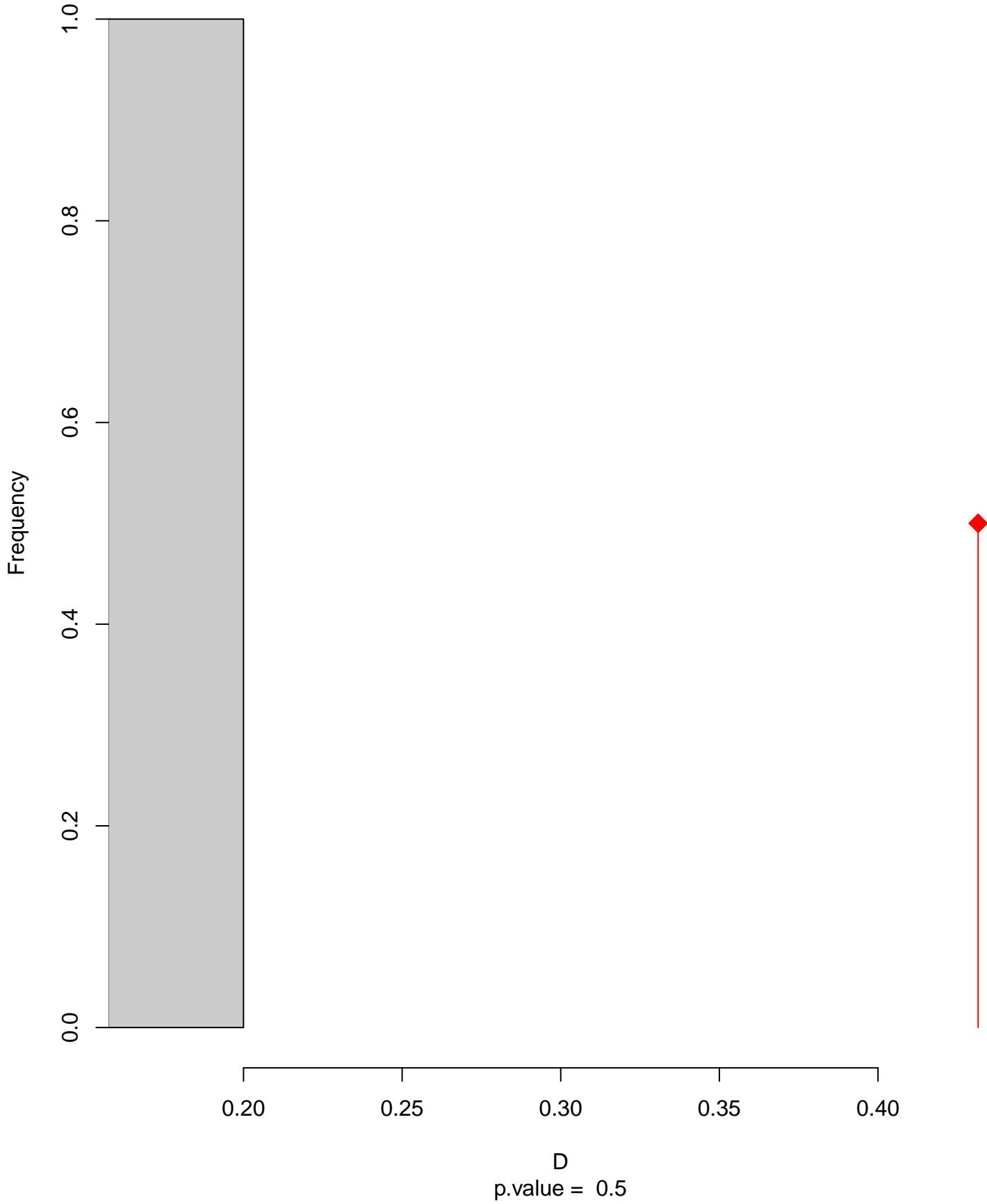


Progne_subis seasonal overlap

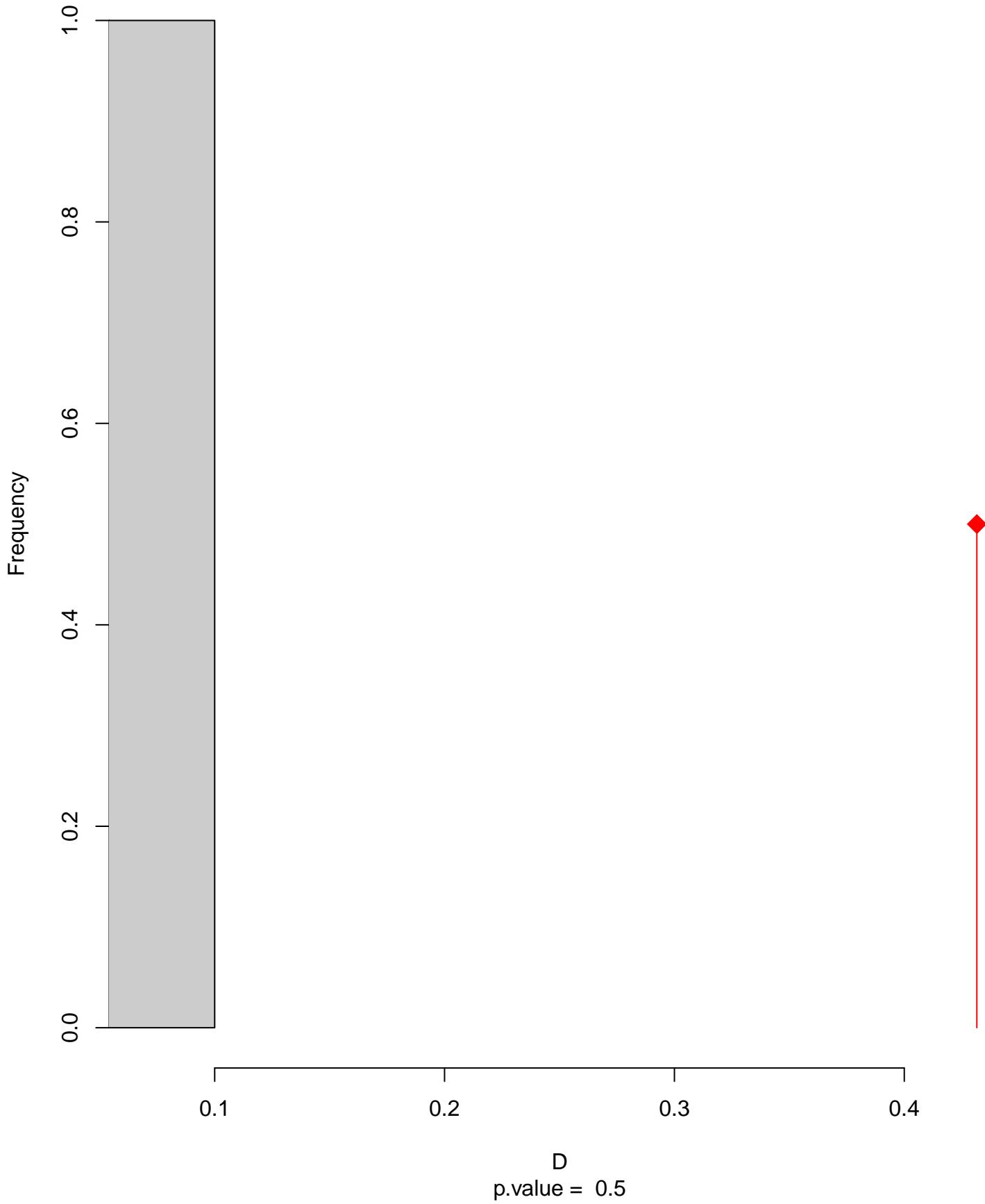


niche overlap:
 $D = 0.432$

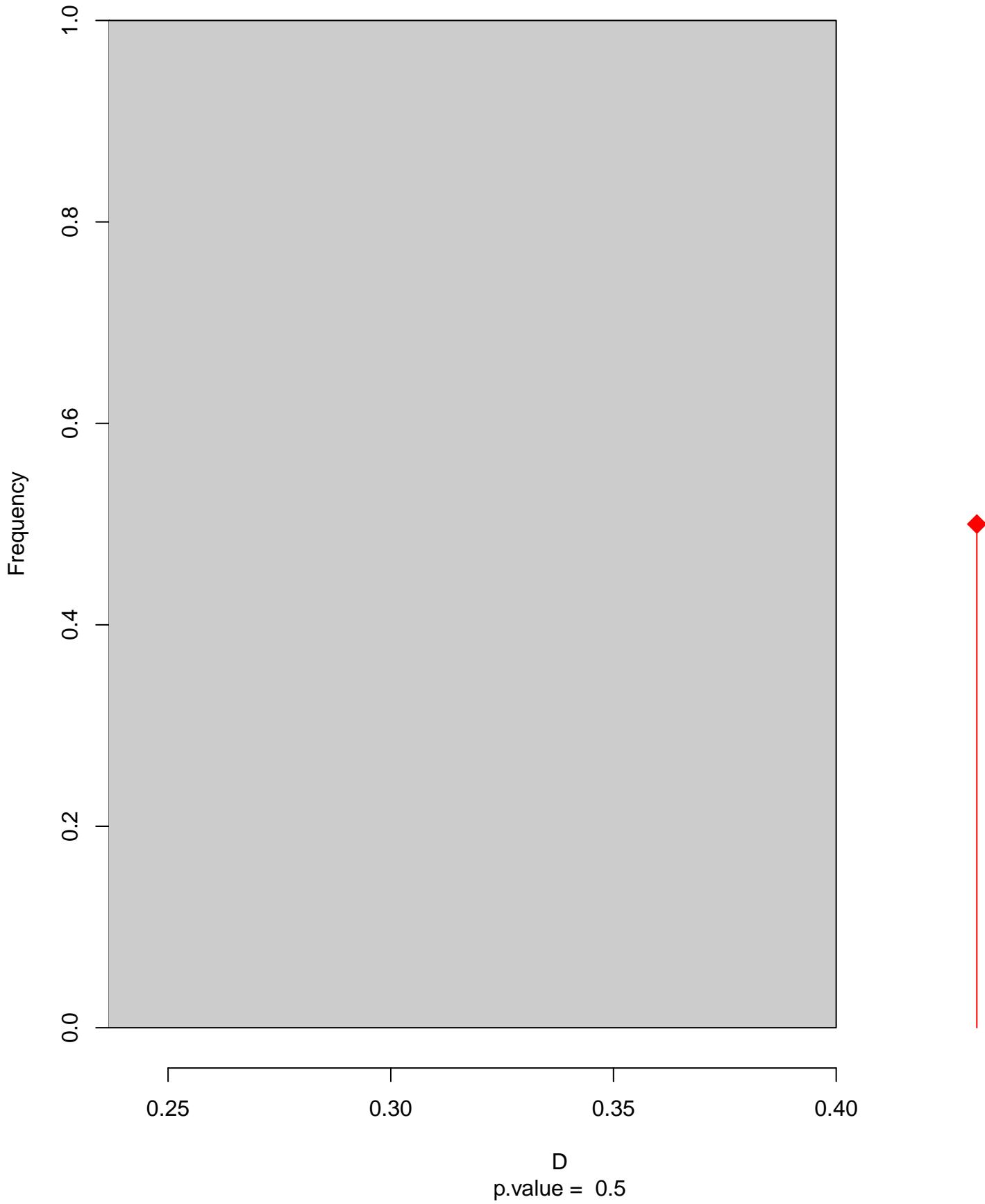
Equivalency



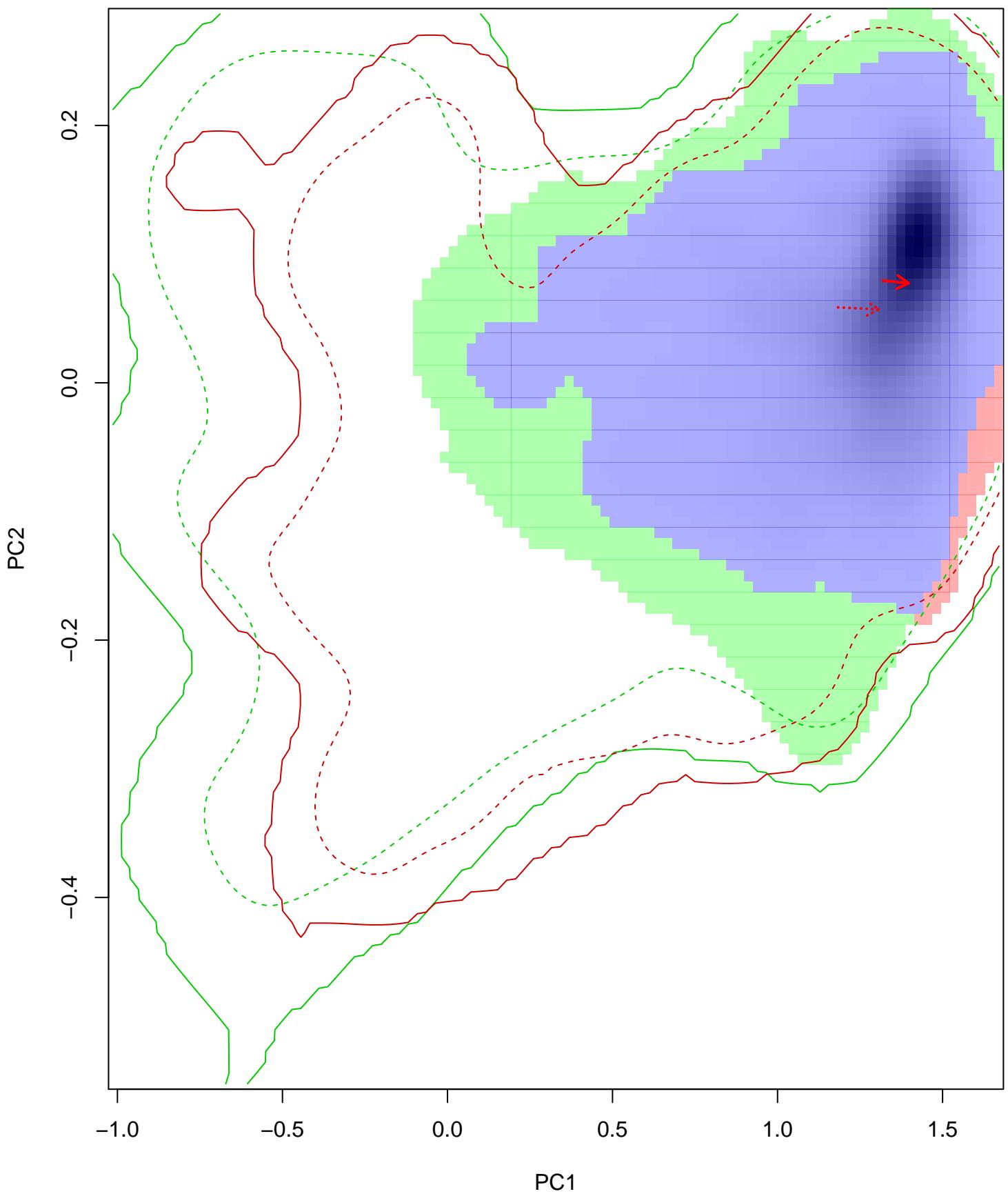
Similarity 2->1



Similarity 1→2

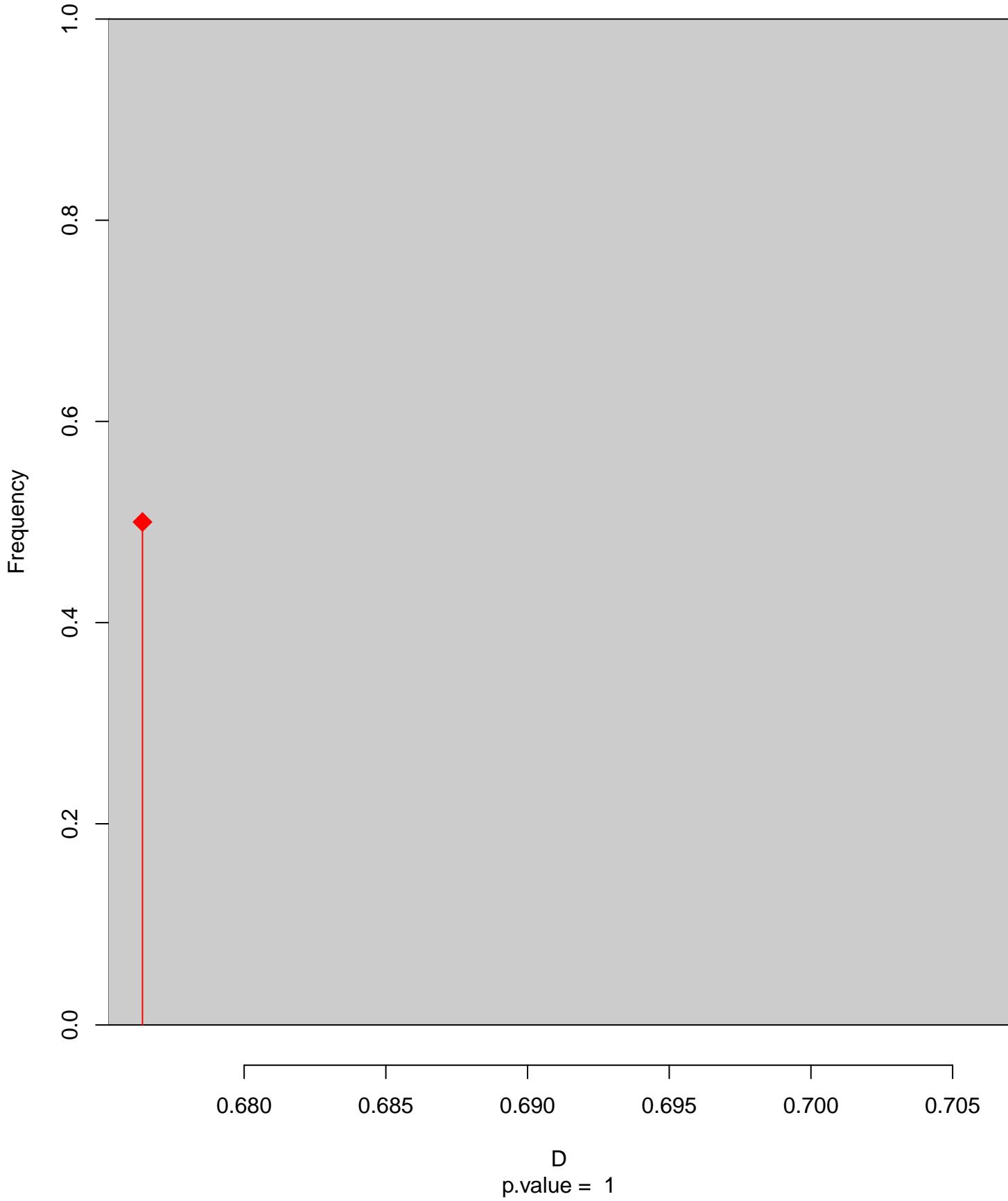


Progne_subis seasonal overlap-hypo.br

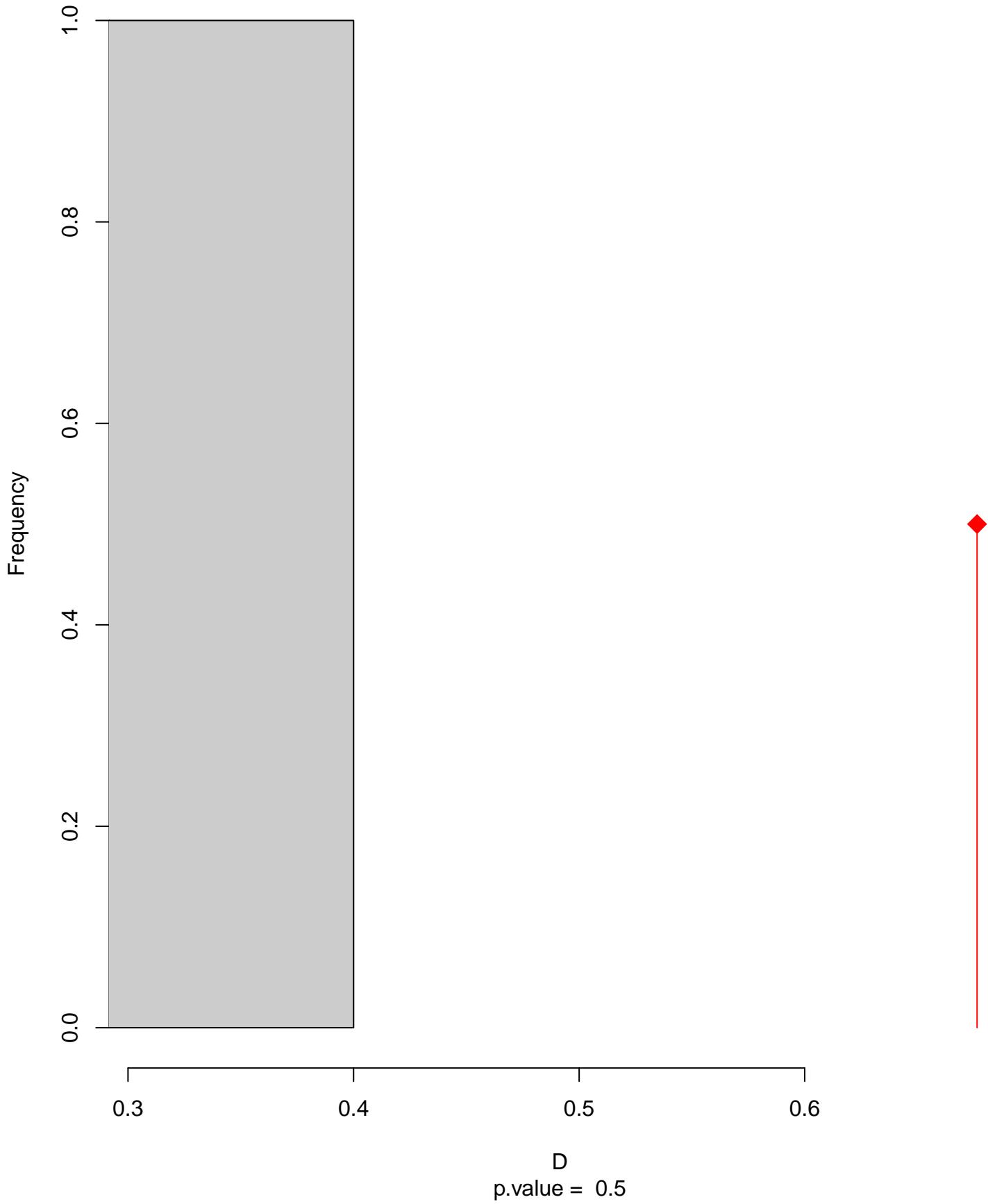


niche overlap:
 $D = 0.676$

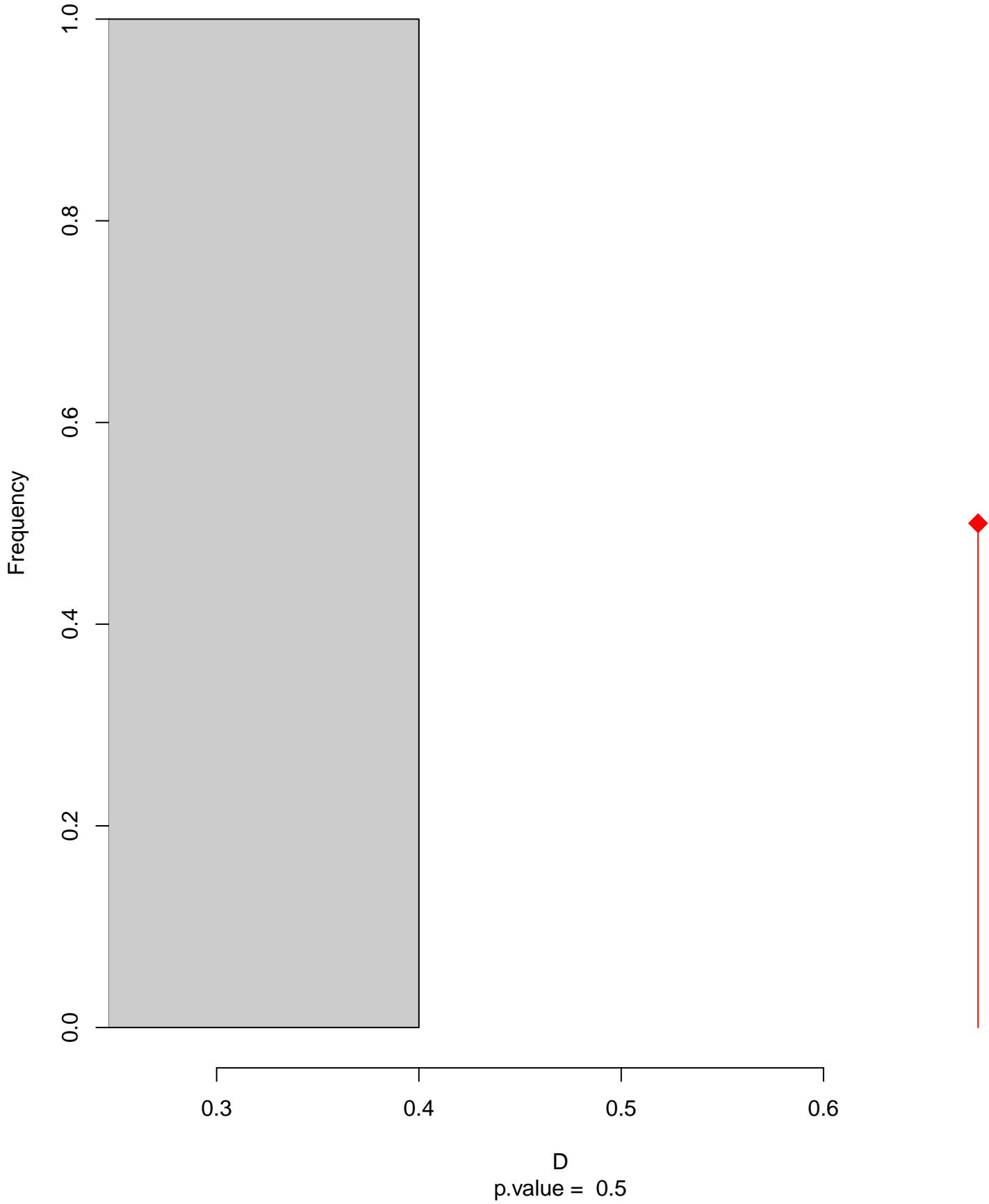
Equivalency



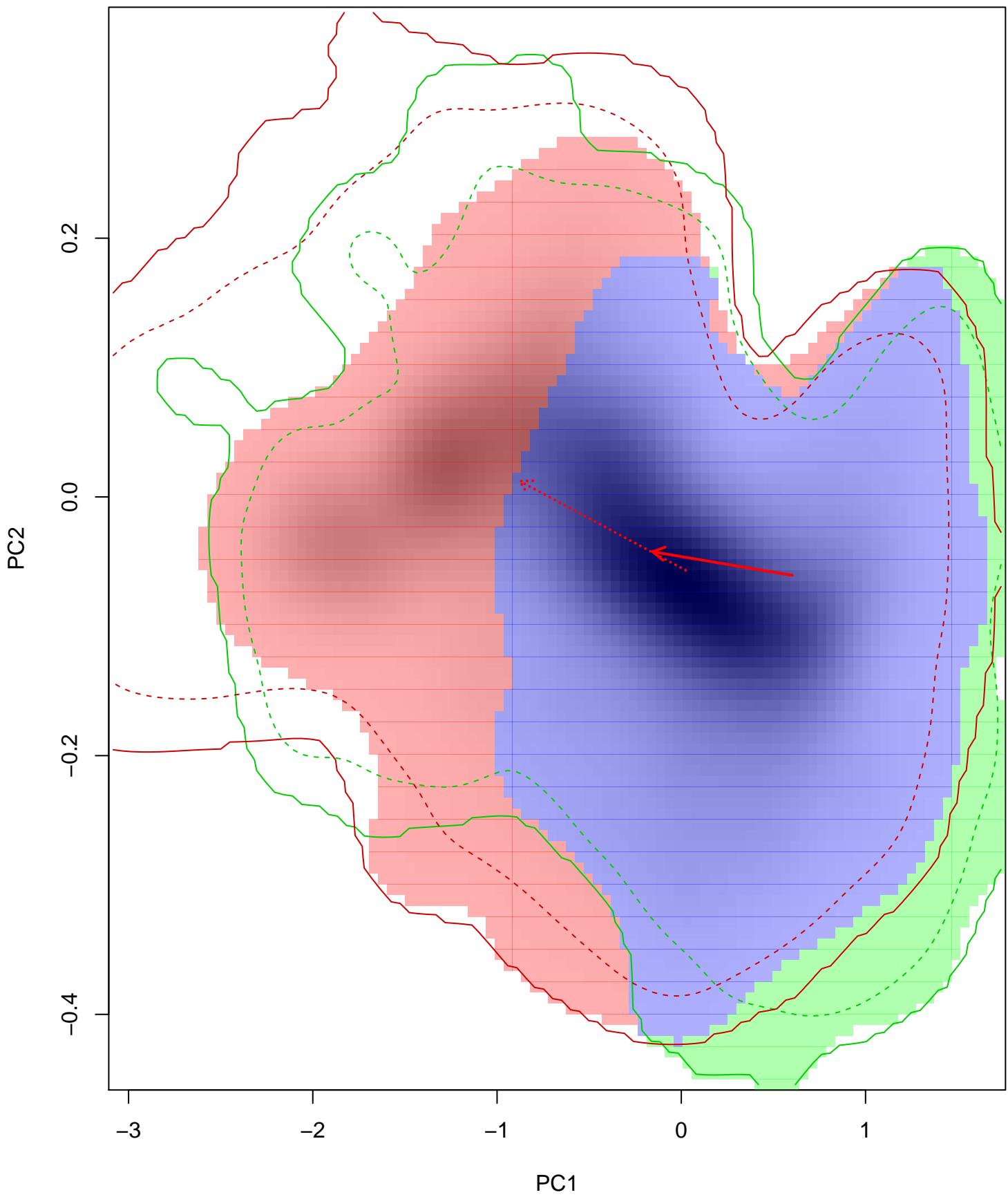
Similarity 2->1



Similarity 1→2

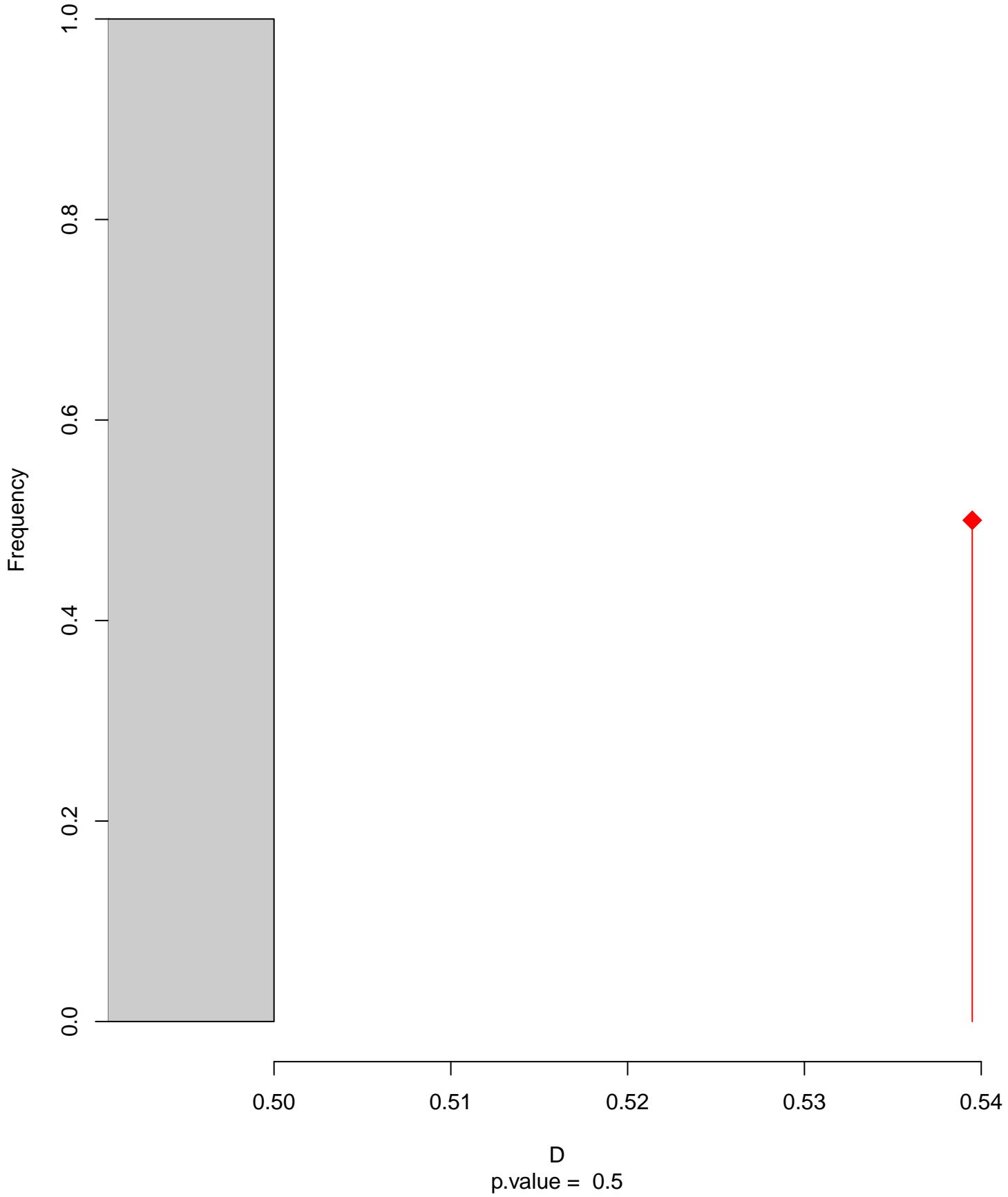


Progne_subis seasonal overlap-hypo wi

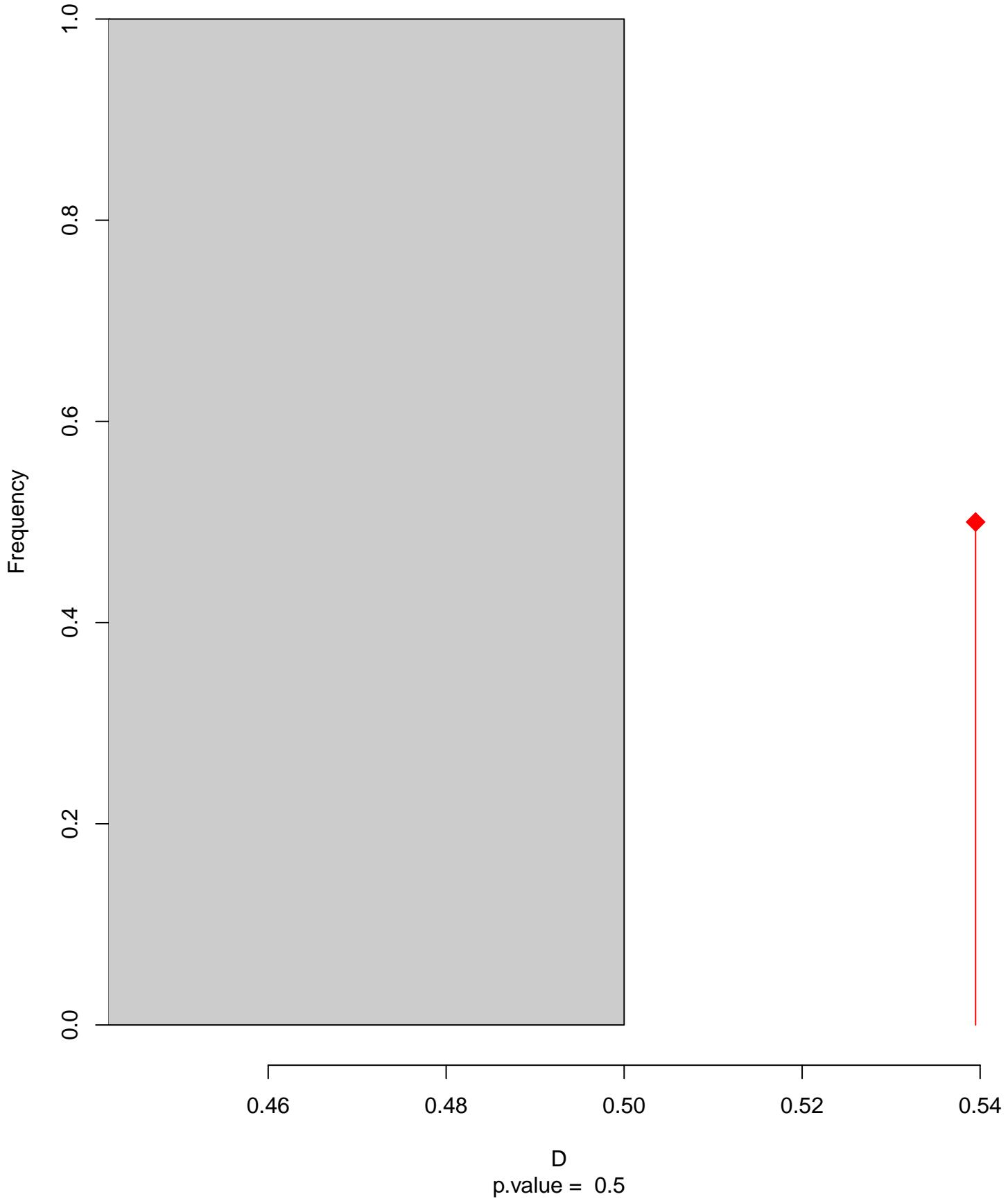


niche overlap:
 $D = 0.539$

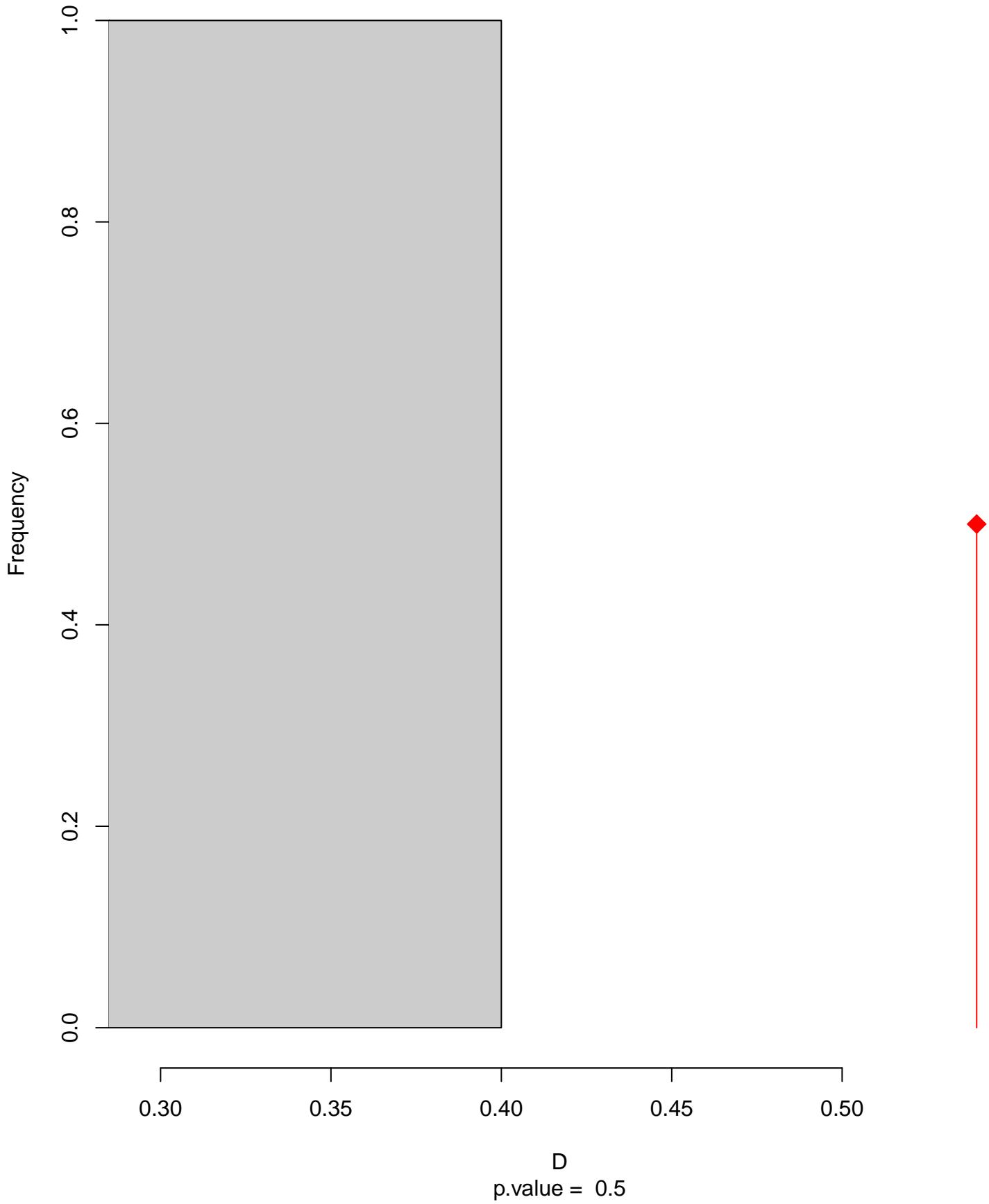
Equivalency



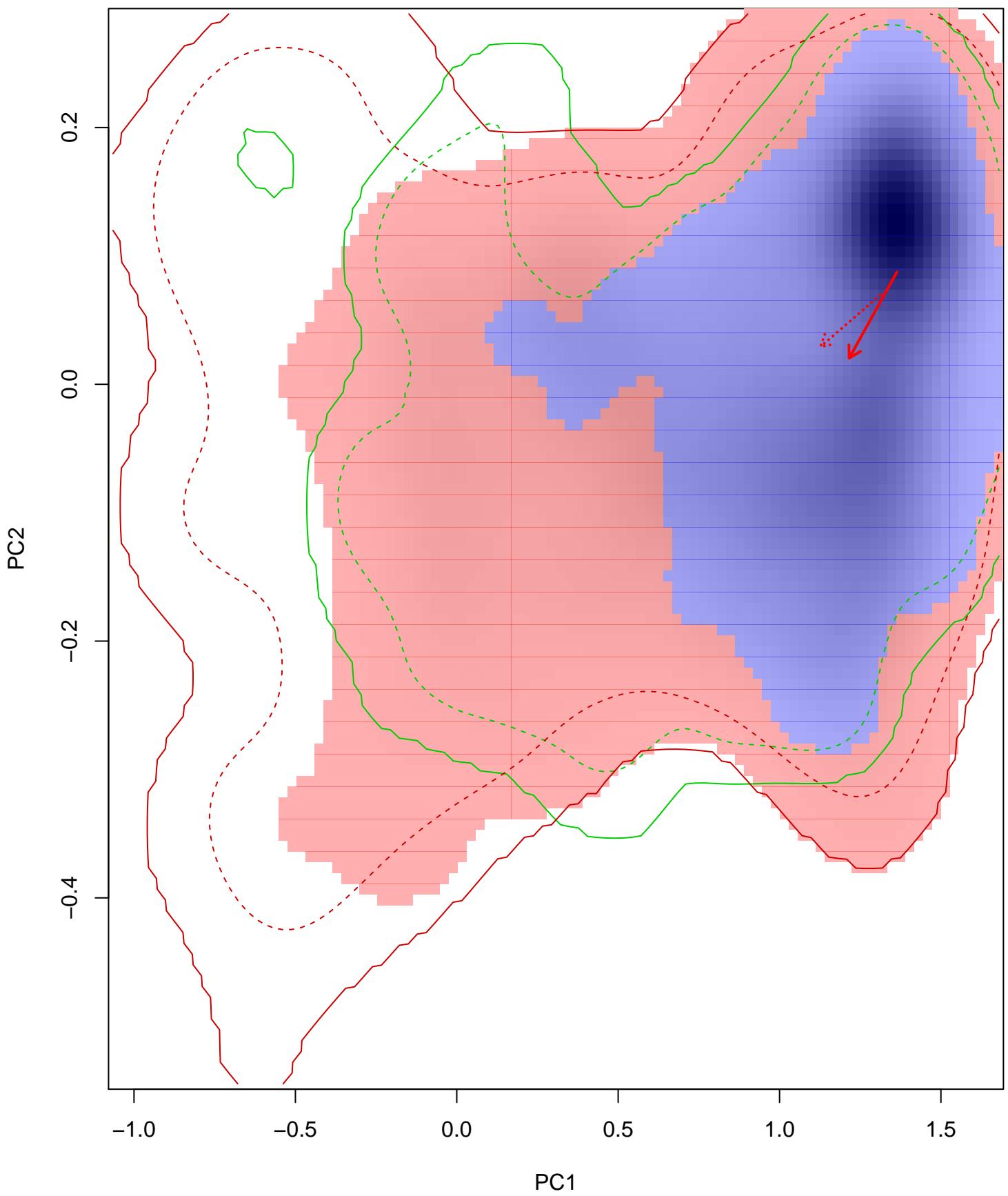
Similarity 2->1



Similarity 1→2

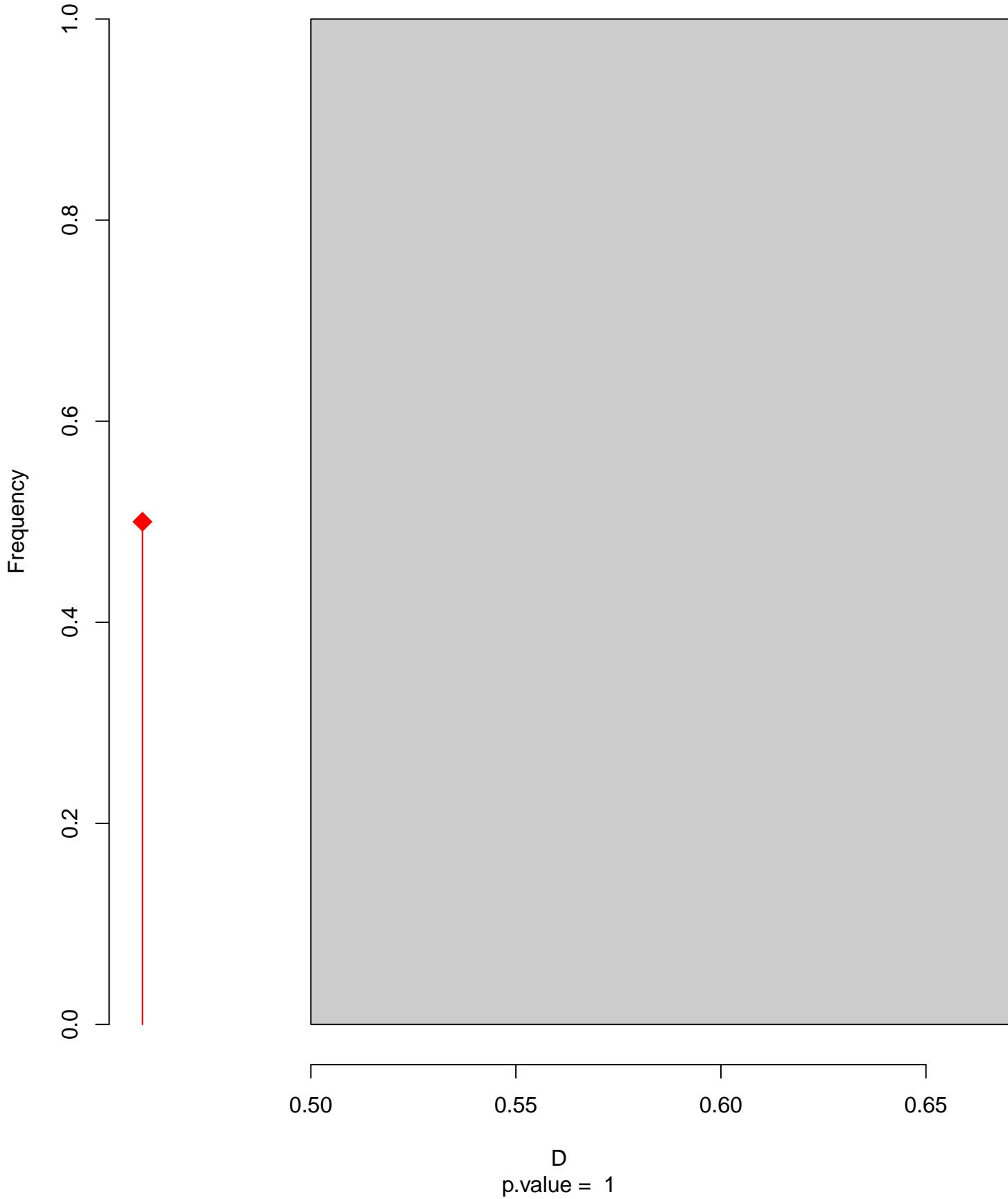


Progne_tapera seasonal overlap

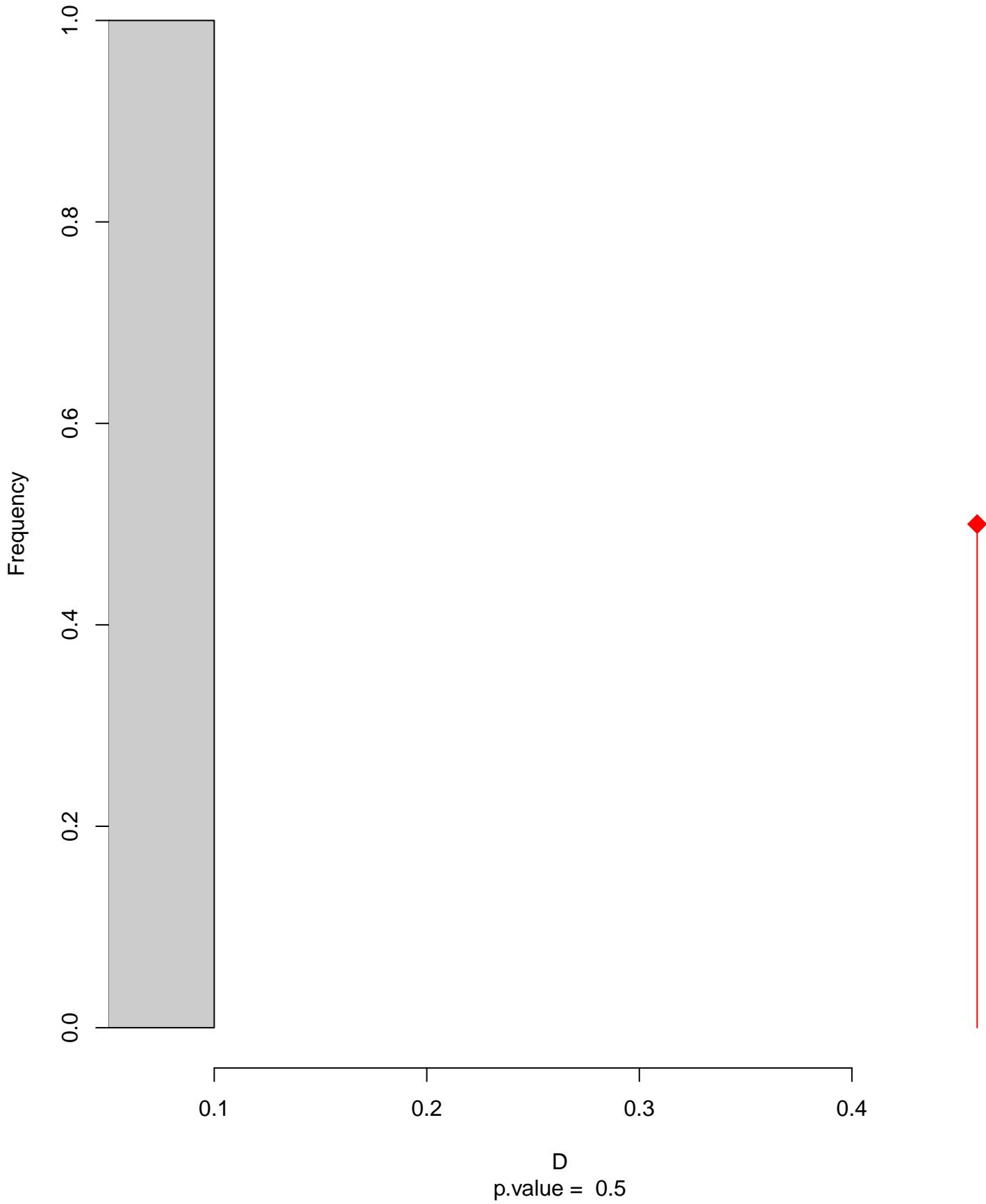


niche overlap:
 $D = 0.459$

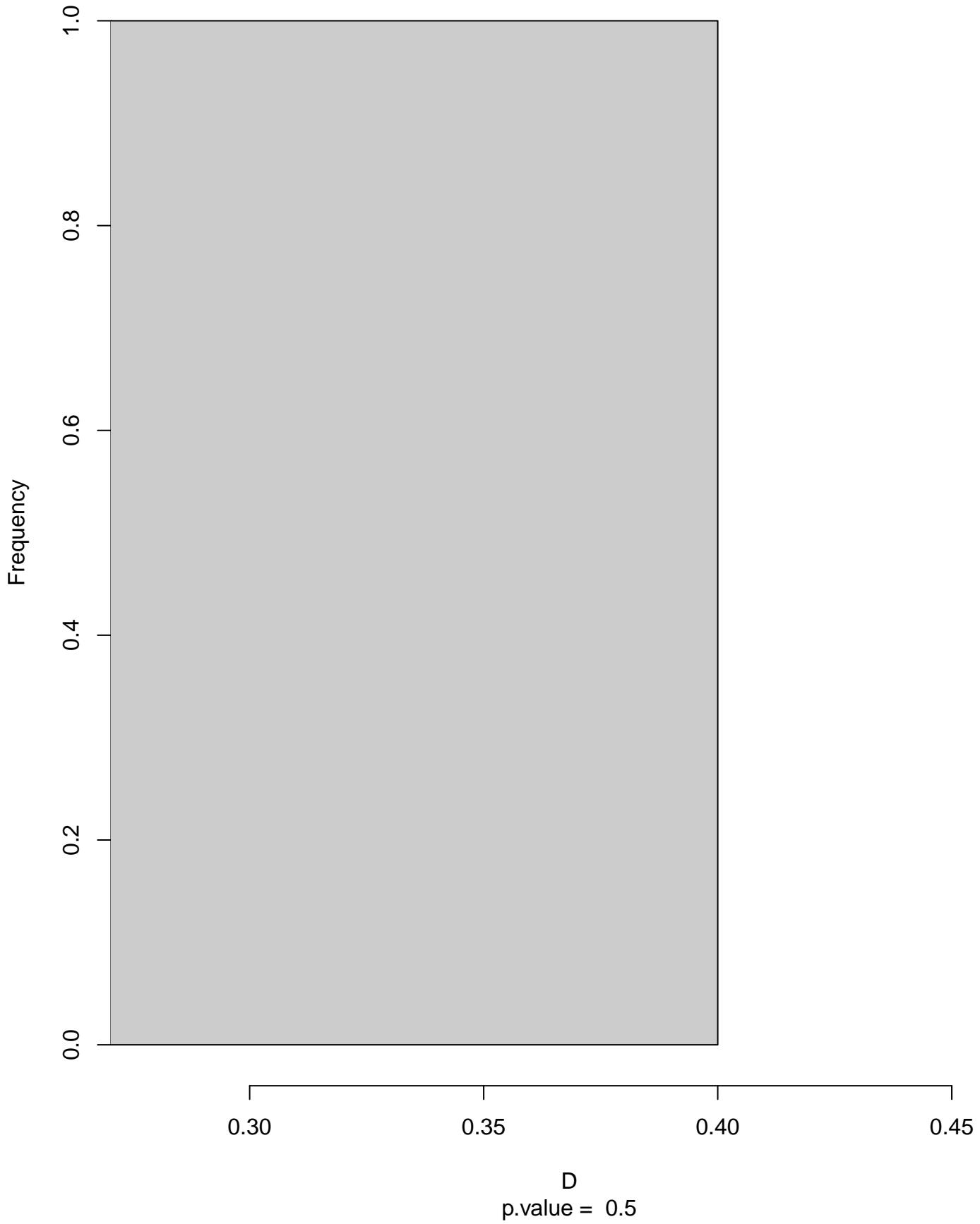
Equivalency



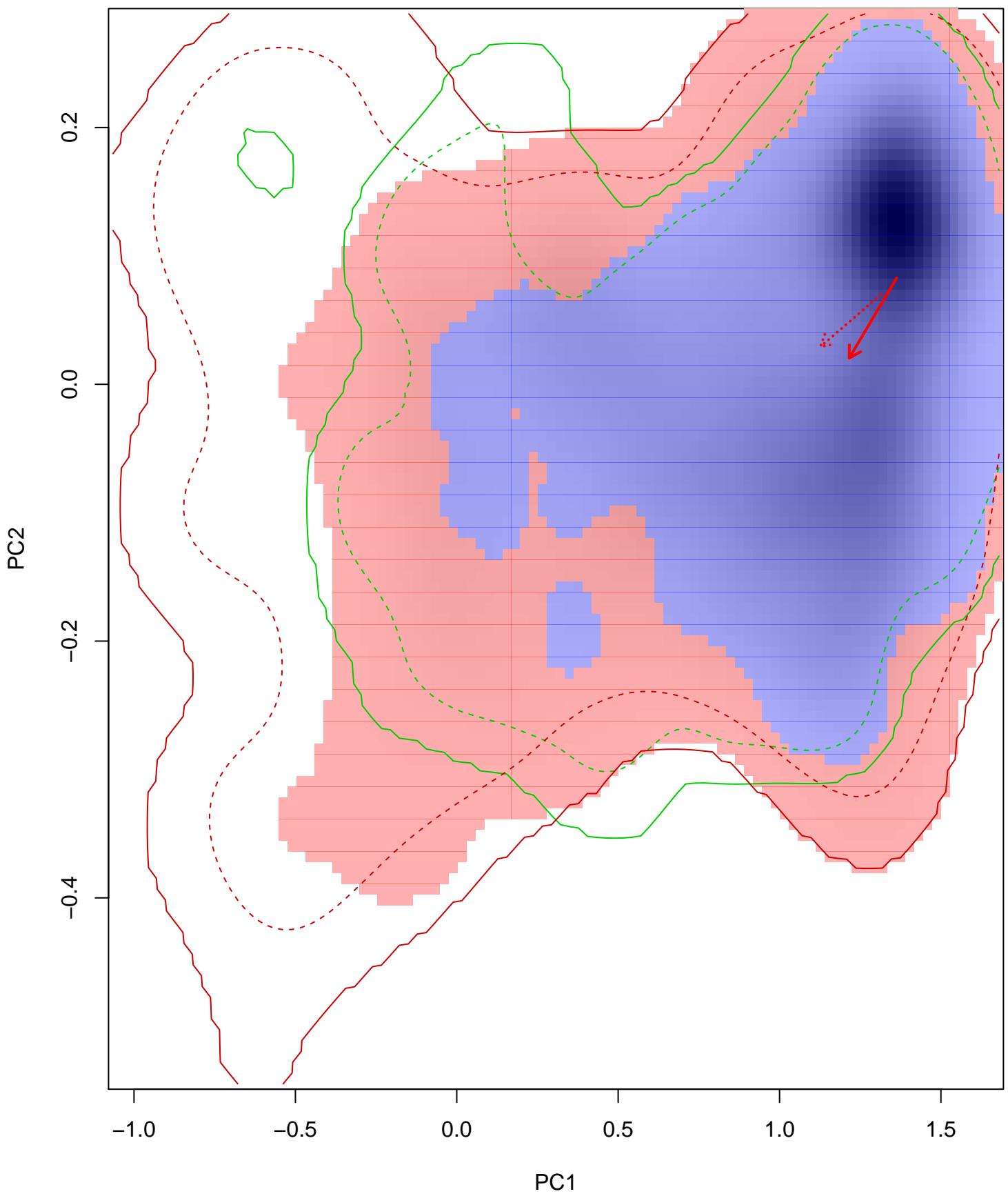
Similarity 2->1



Similarity 1→2

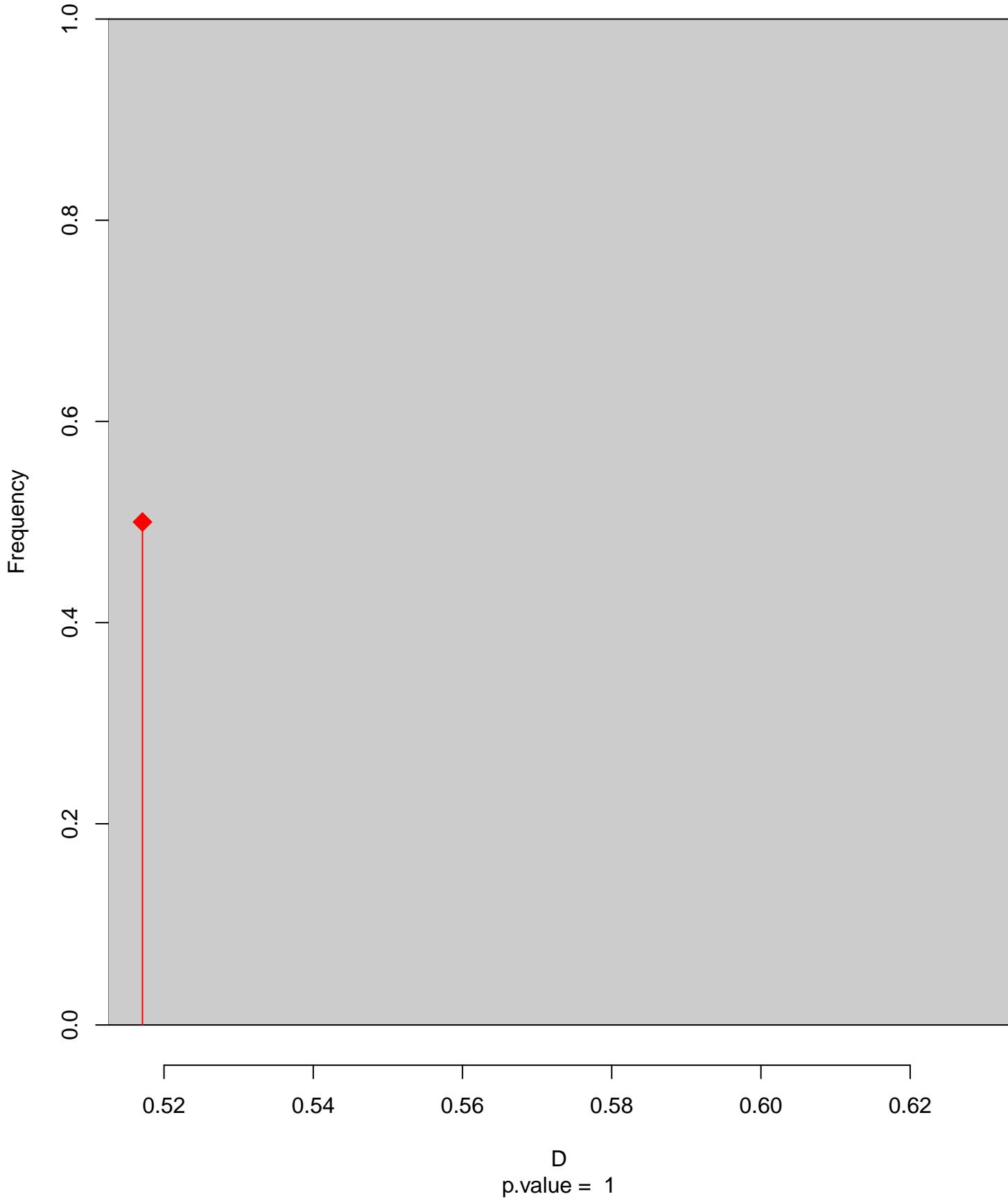


Progne_tapera seasonal overlap-hypo.br

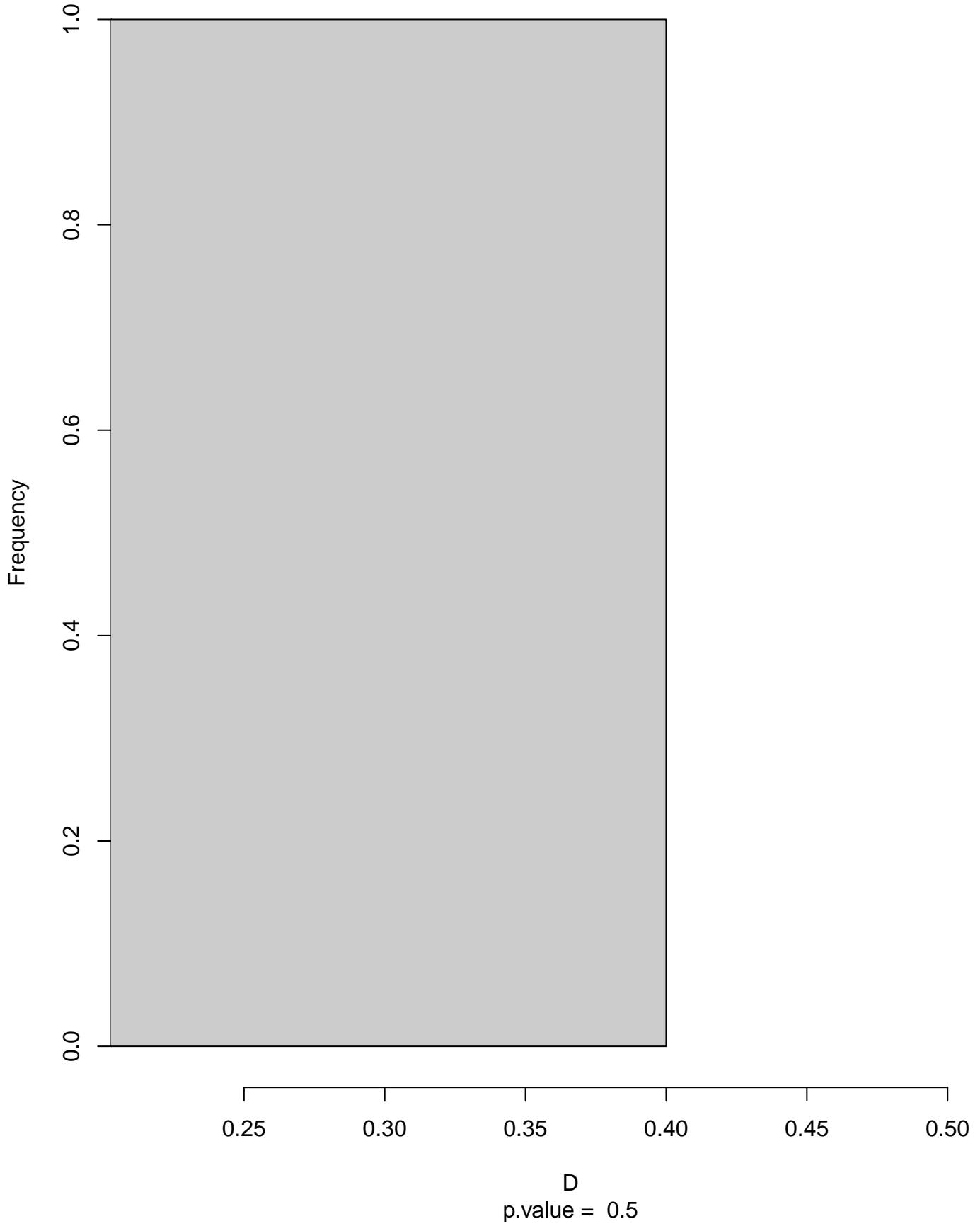


niche overlap:
 $D = 0.517$

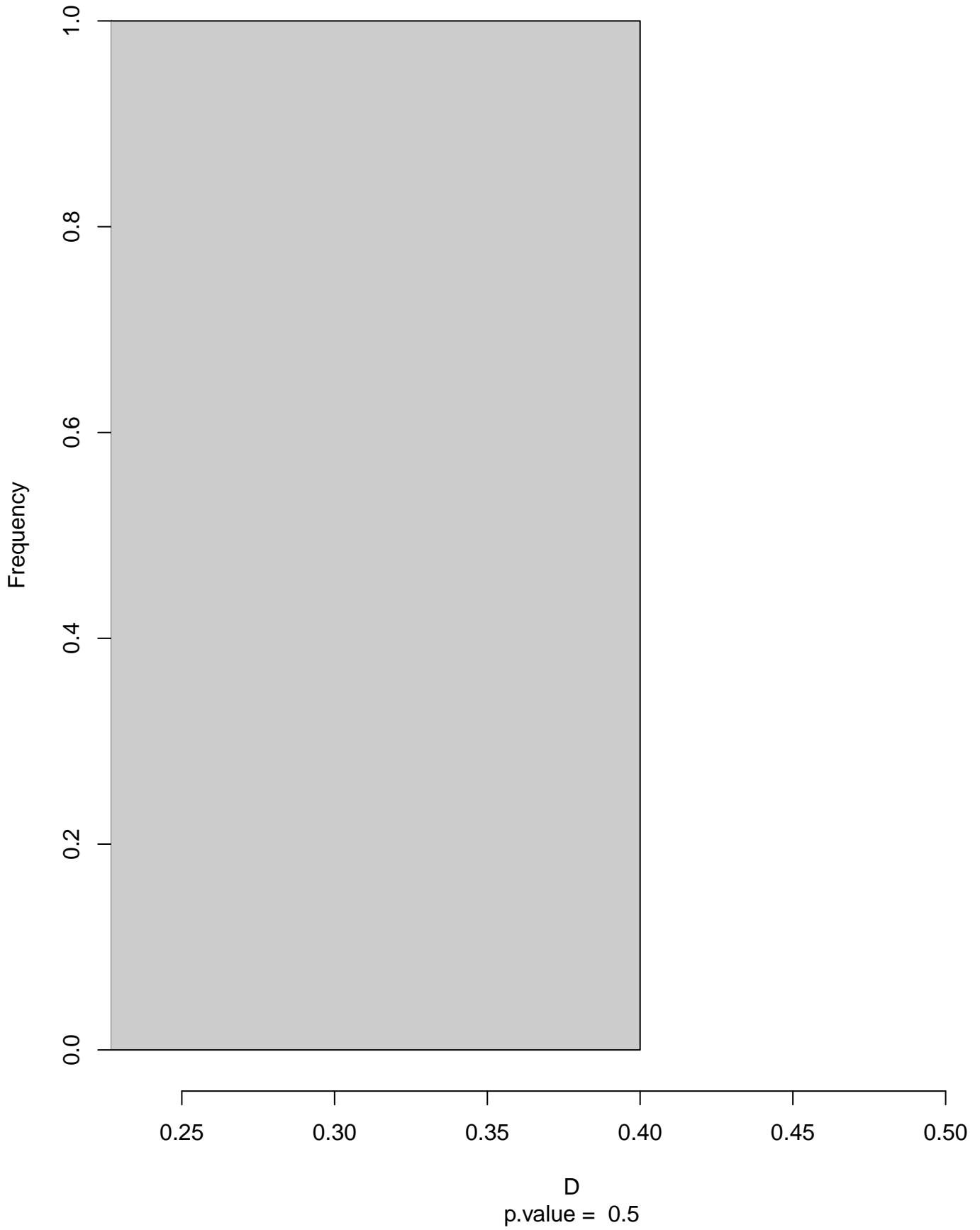
Equivalency



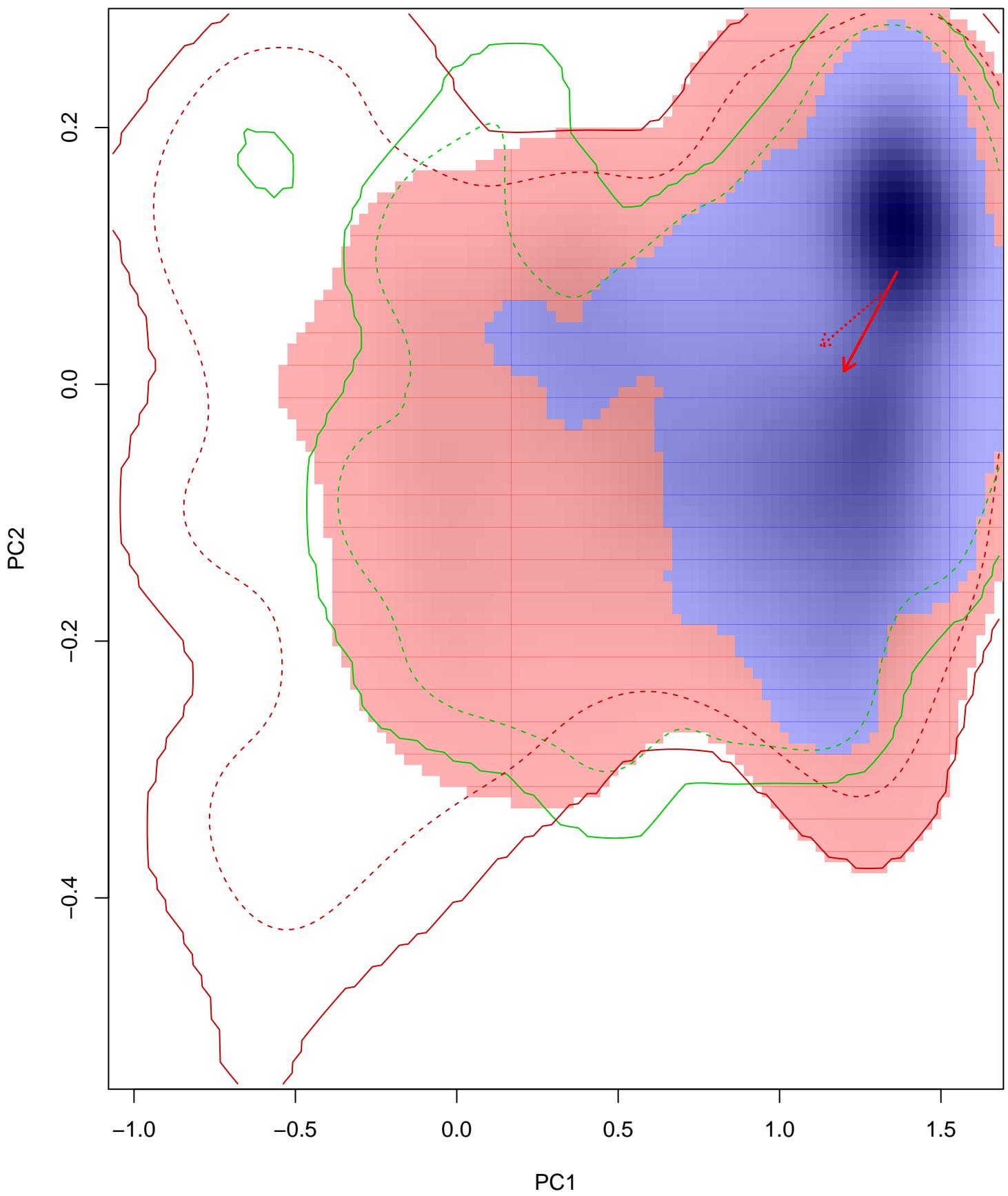
Similarity 2->1



Similarity 1→2

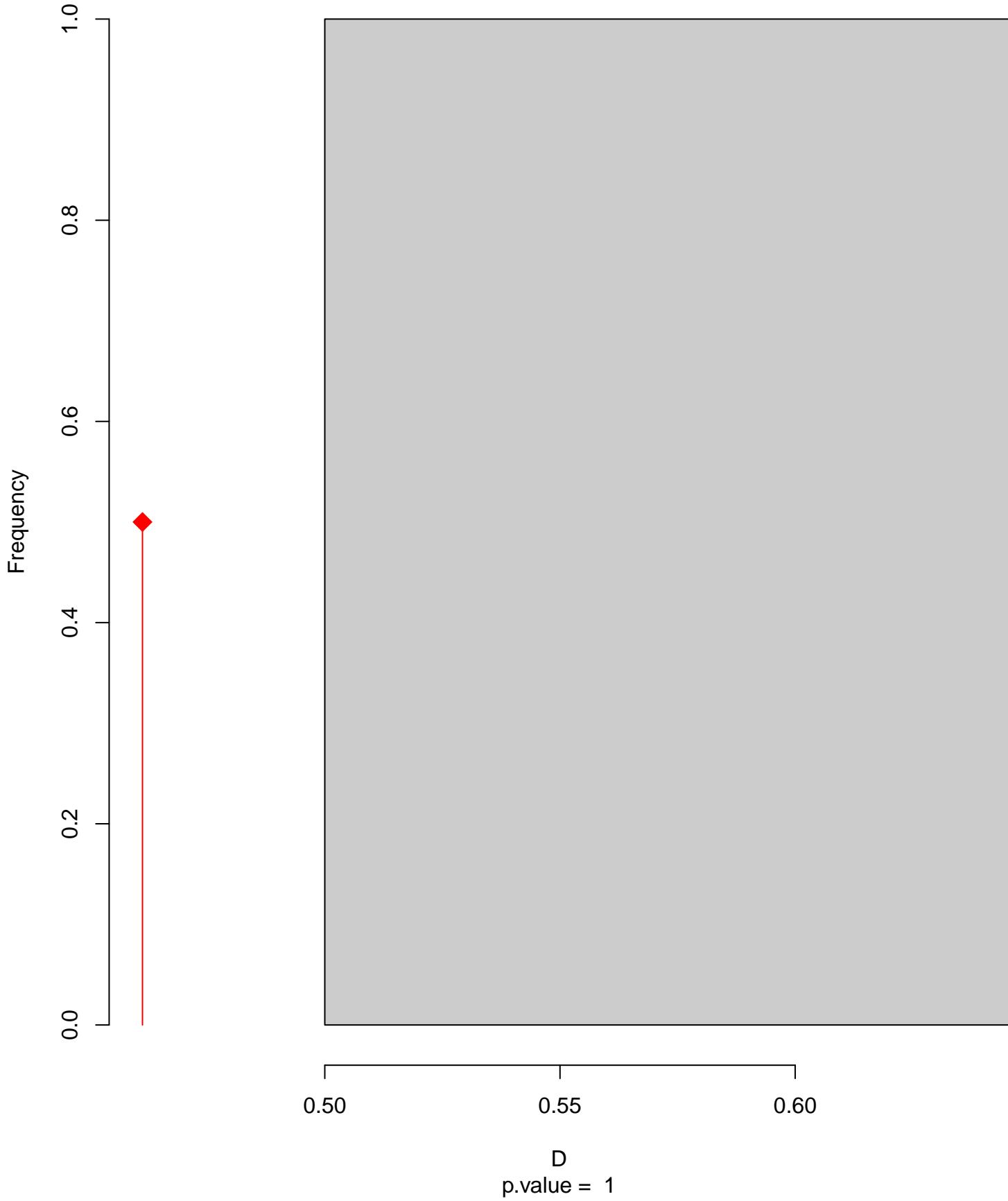


Progne_tapera seasonal overlap-hypo wi

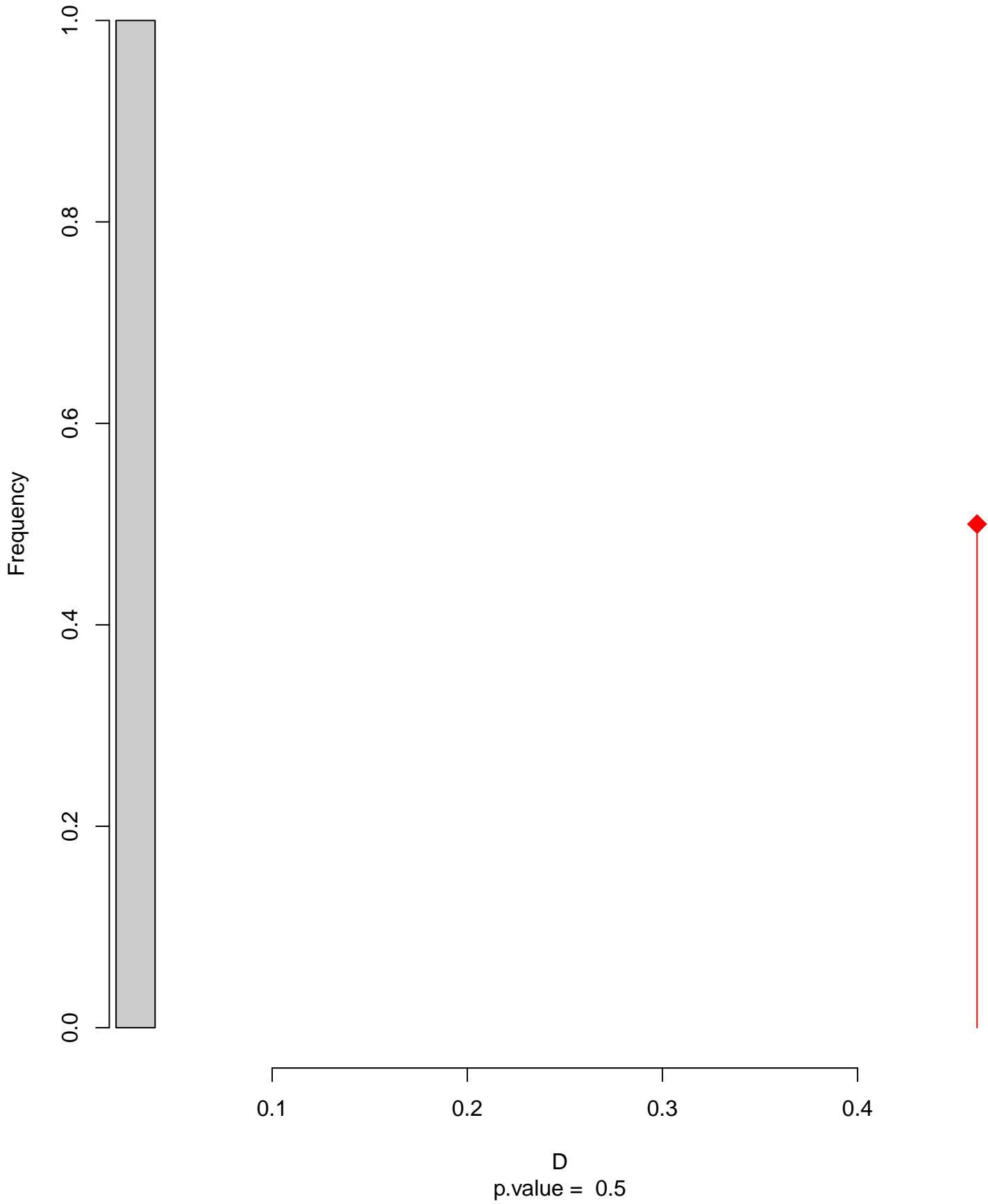


niche overlap:
 $D = 0.461$

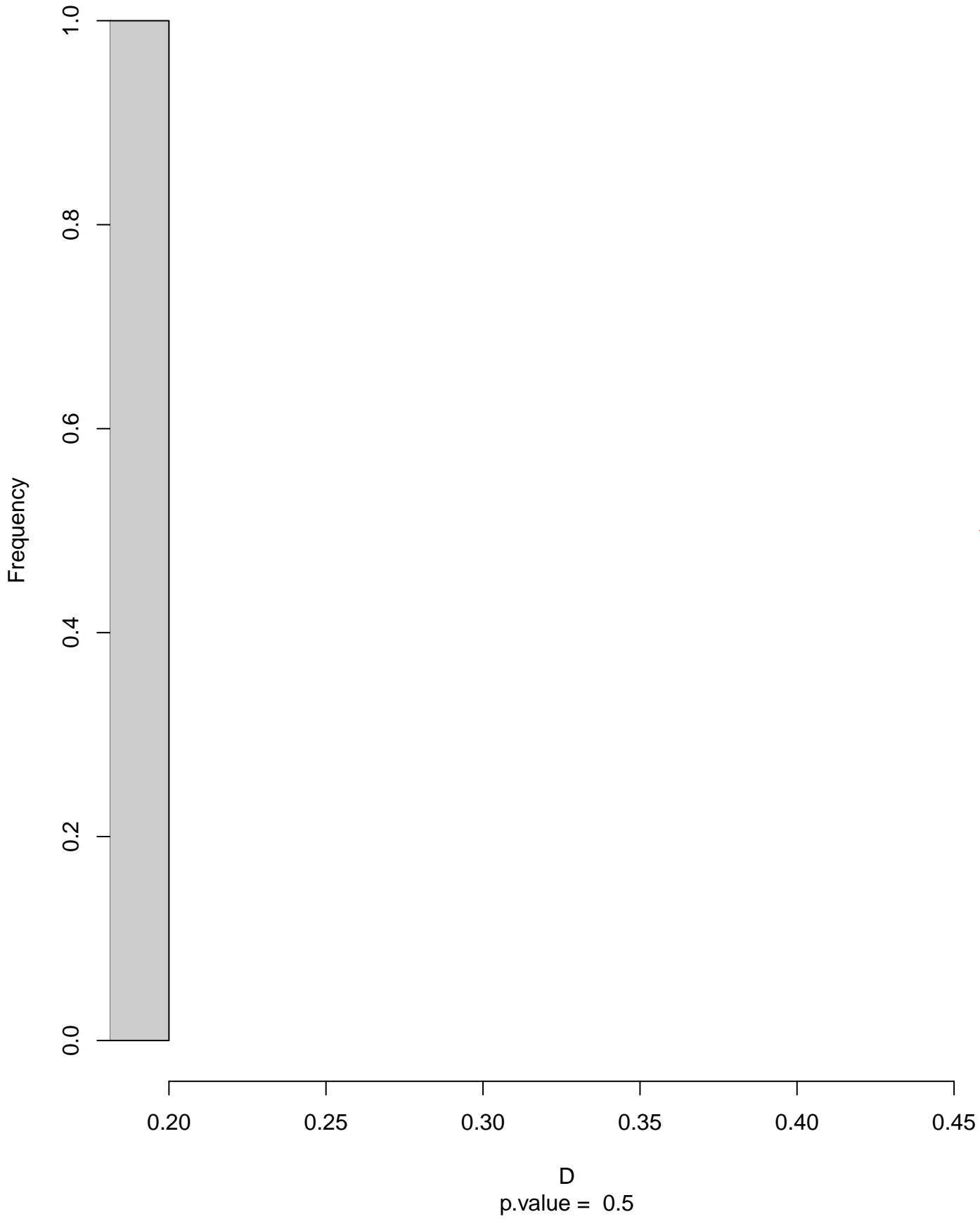
Equivalency



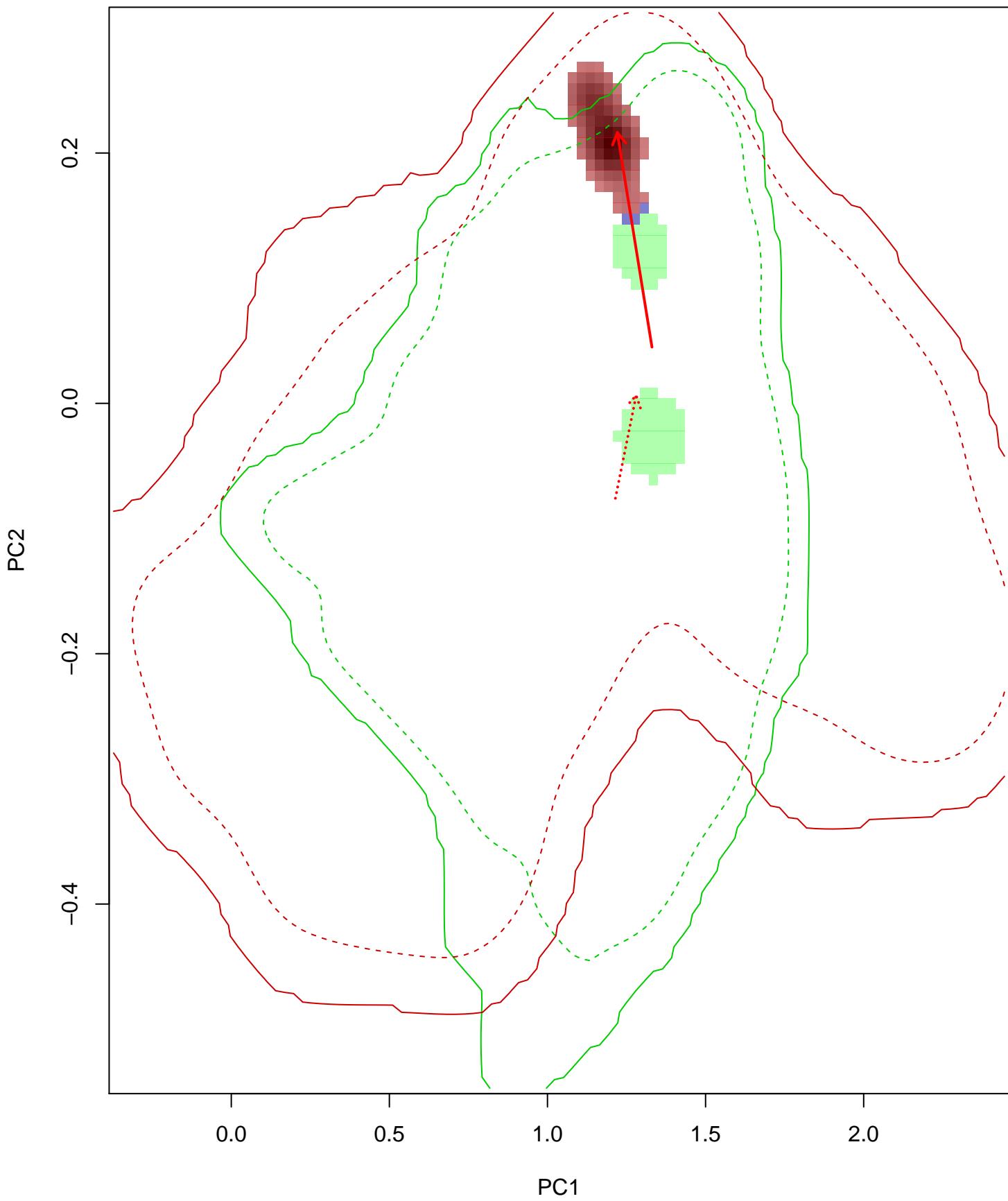
Similarity 2->1



Similarity 1→2

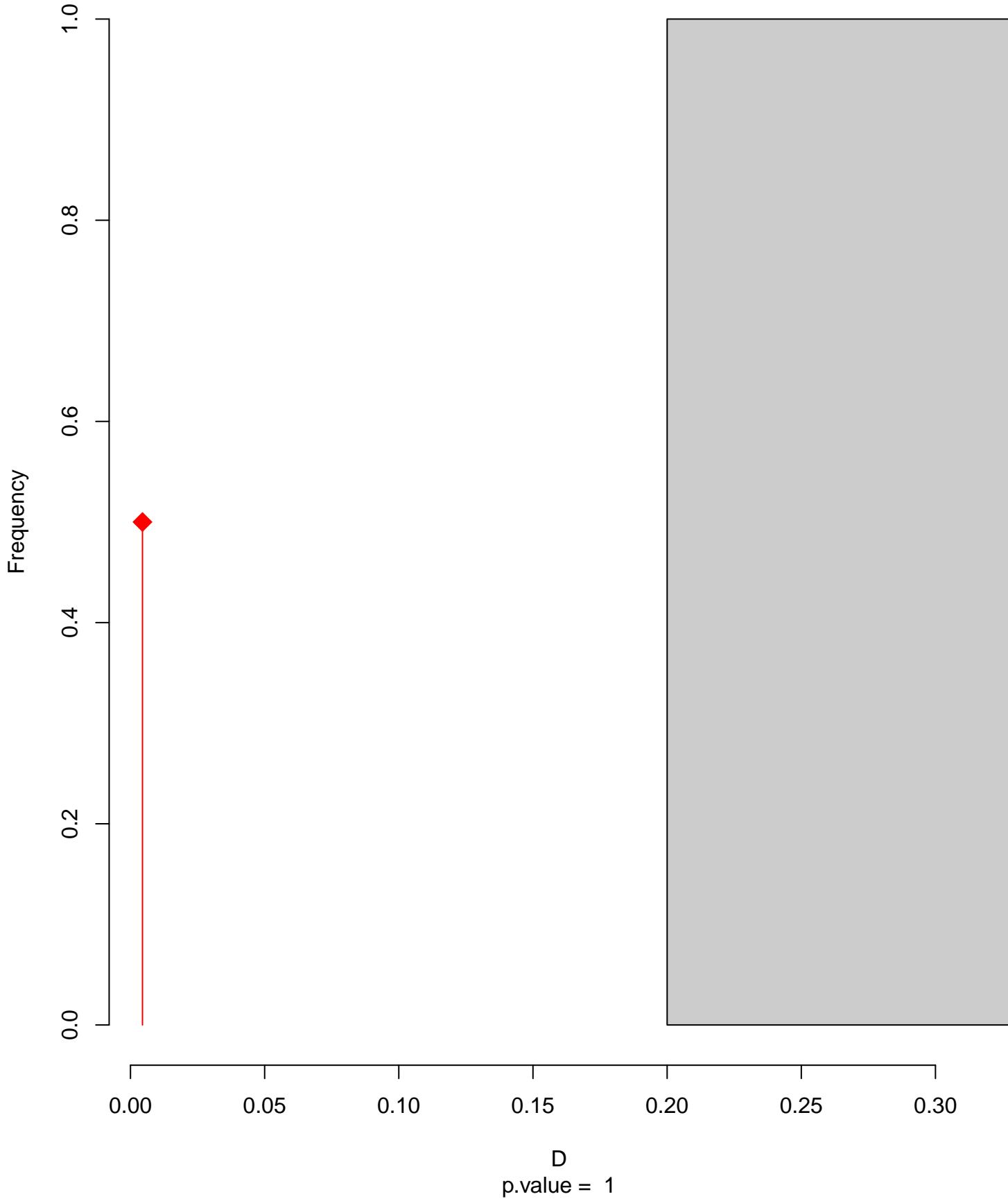


Psalidoprocne_fuliginosa seasonal overlap

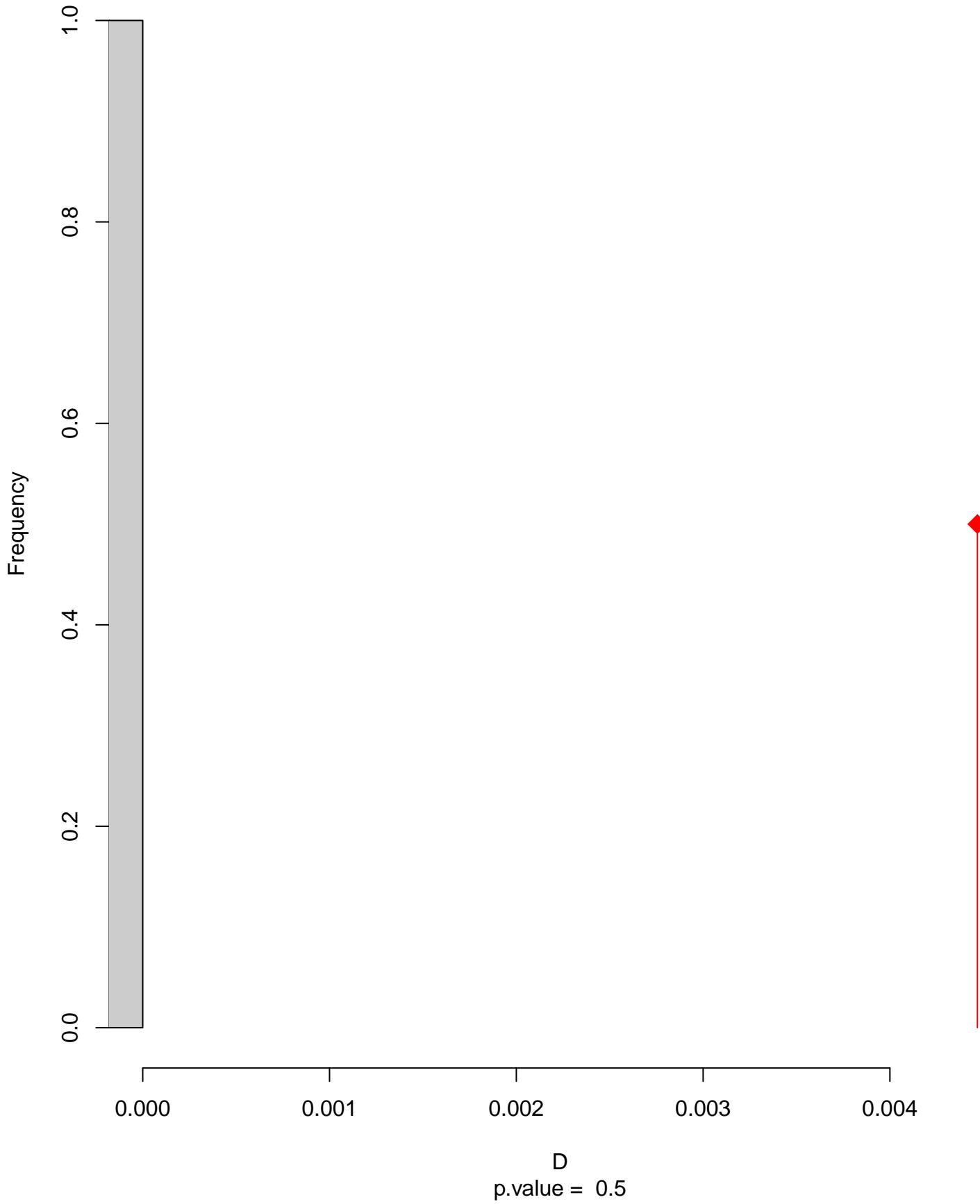


niche overlap:
 $D = 0.004$

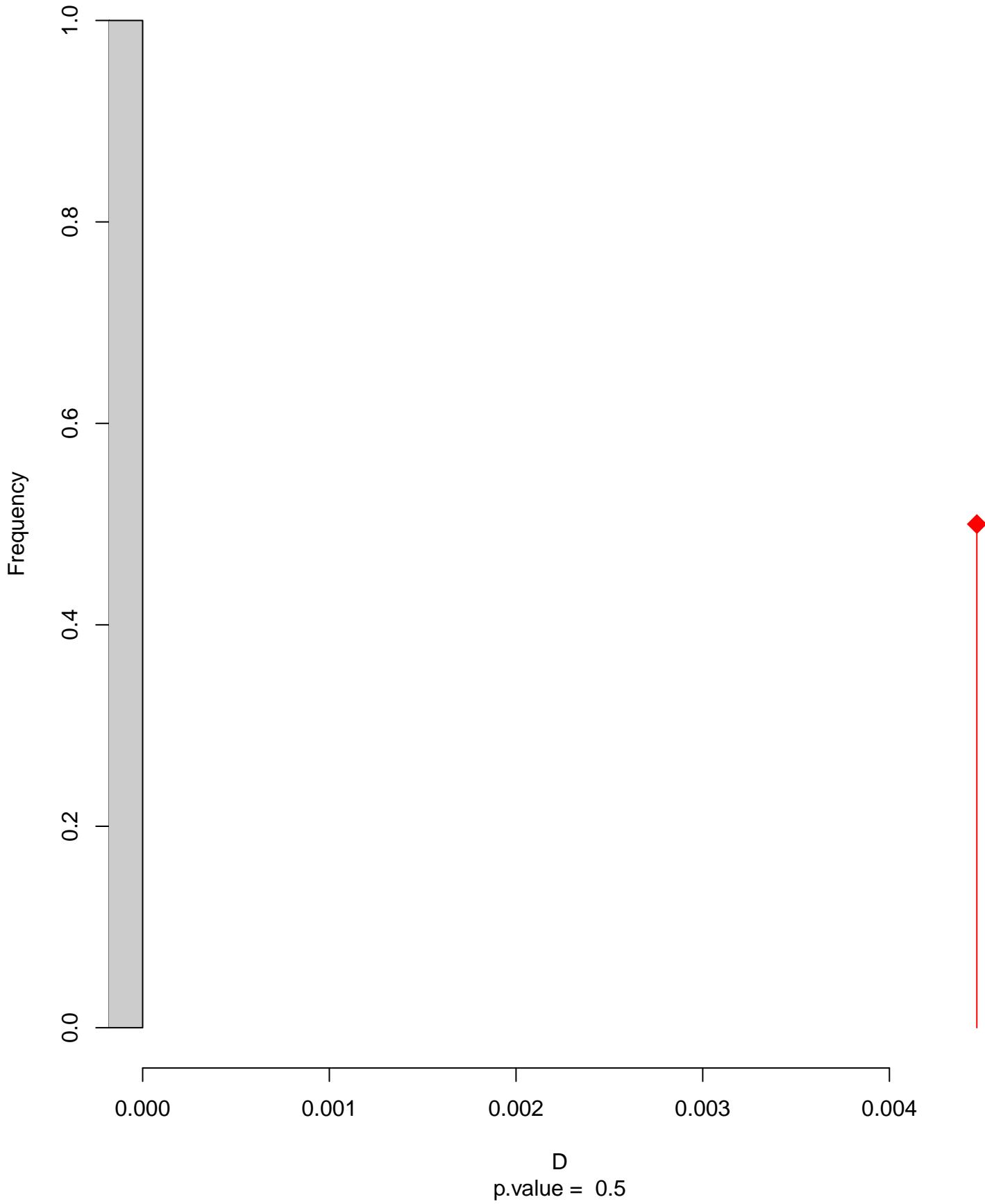
Equivalency



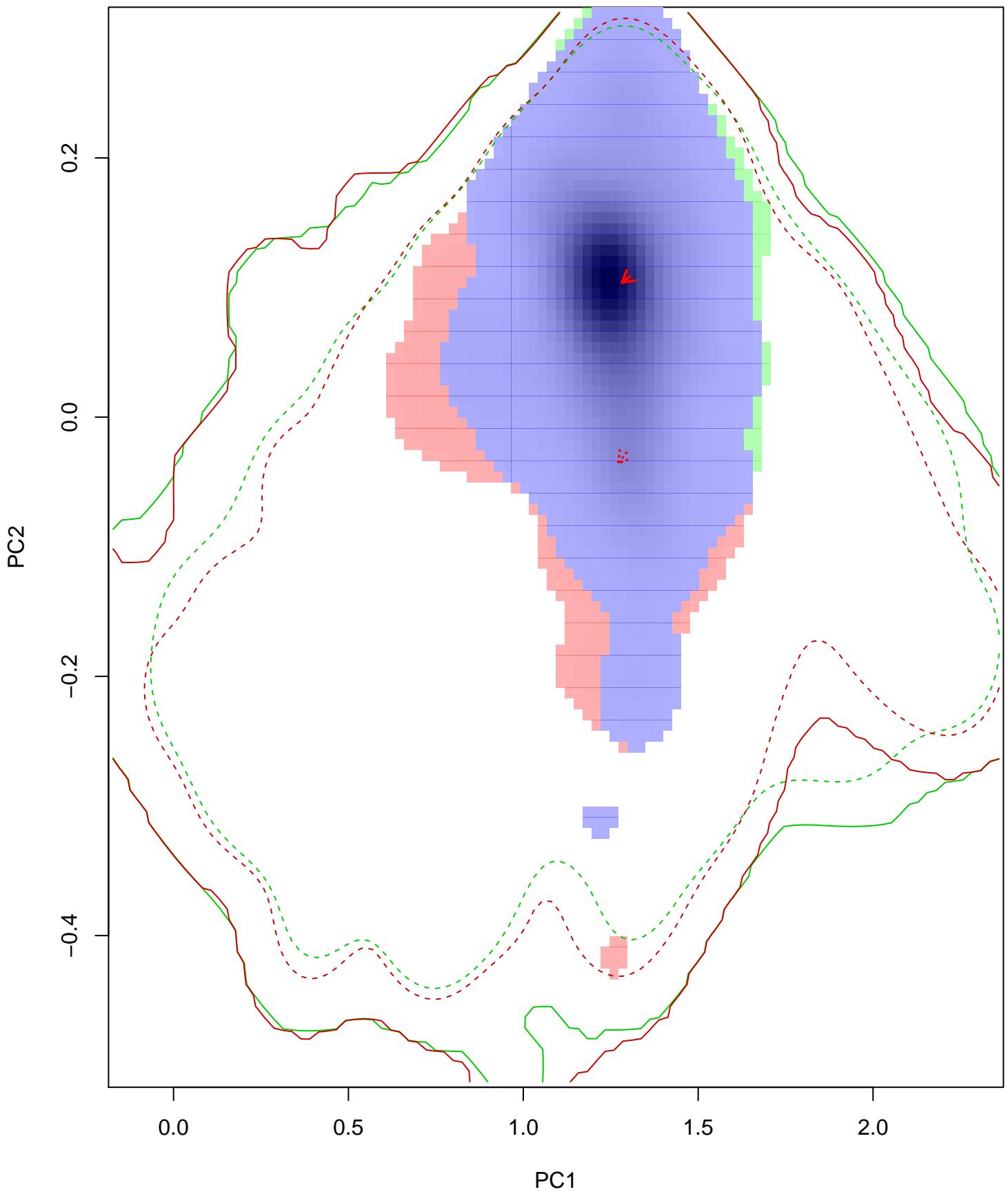
Similarity 2->1



Similarity 1→2

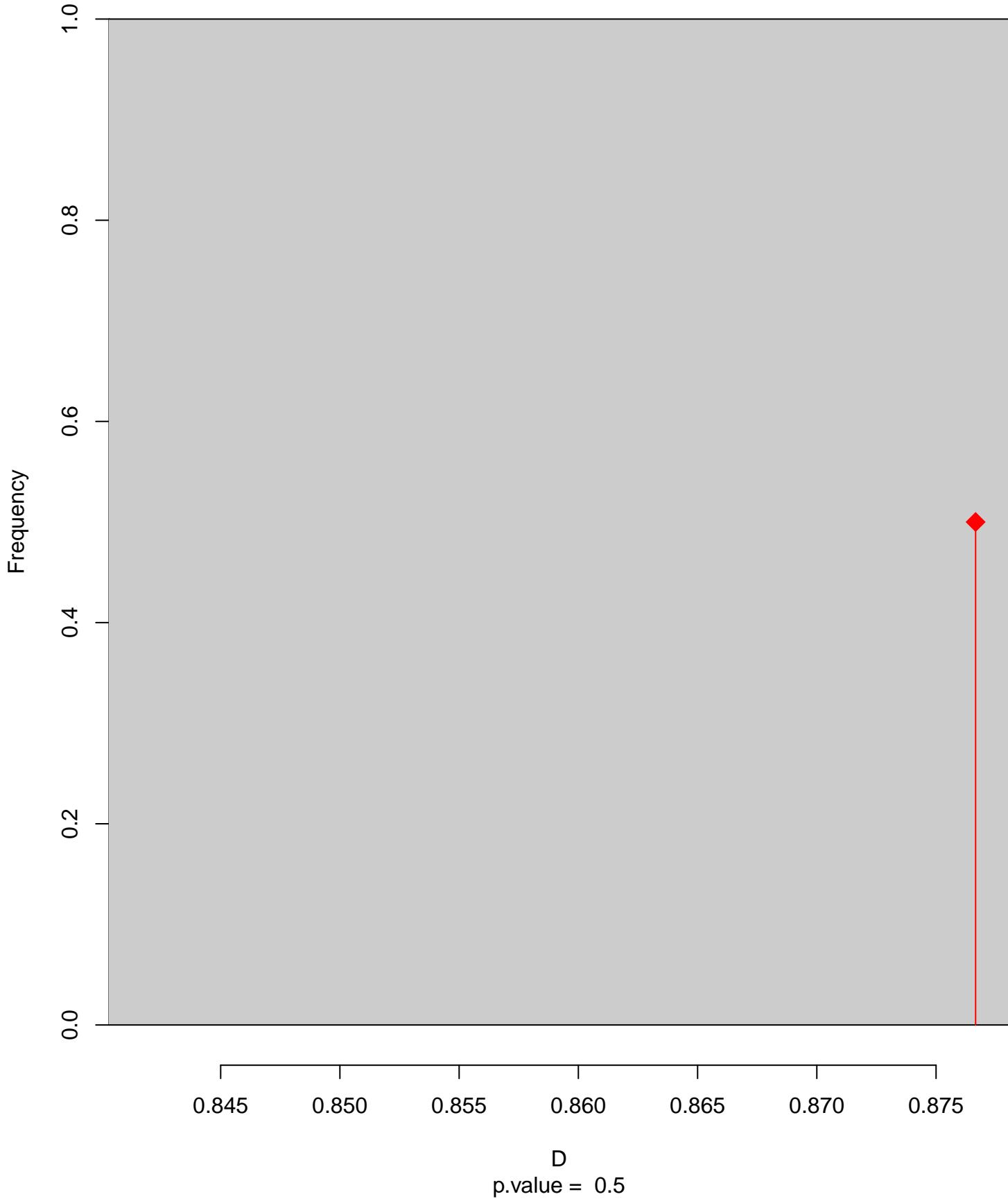


Psalidoprocne nitens seasonal overlap

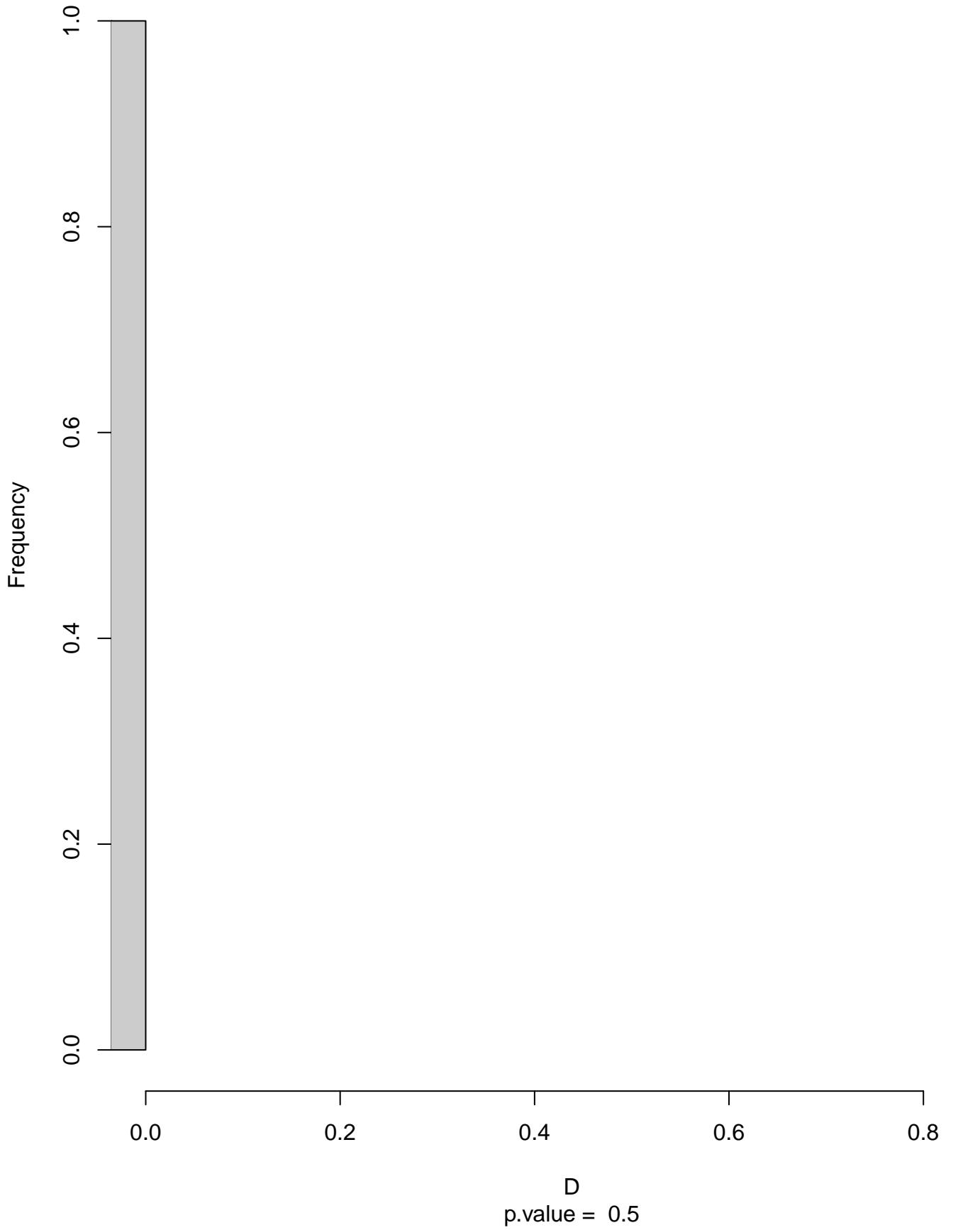


niche overlap:
 $D = 0.877$

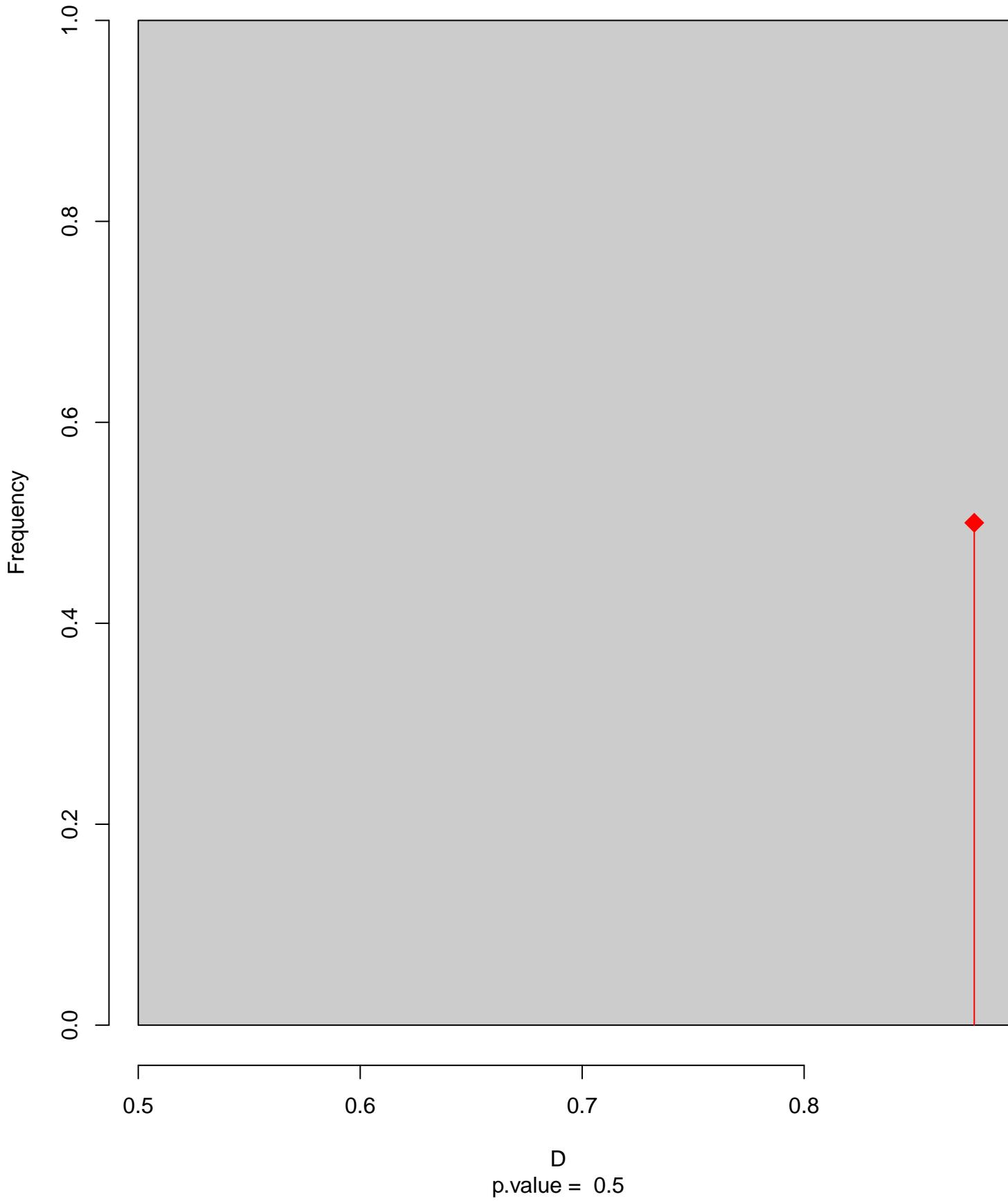
Equivalency



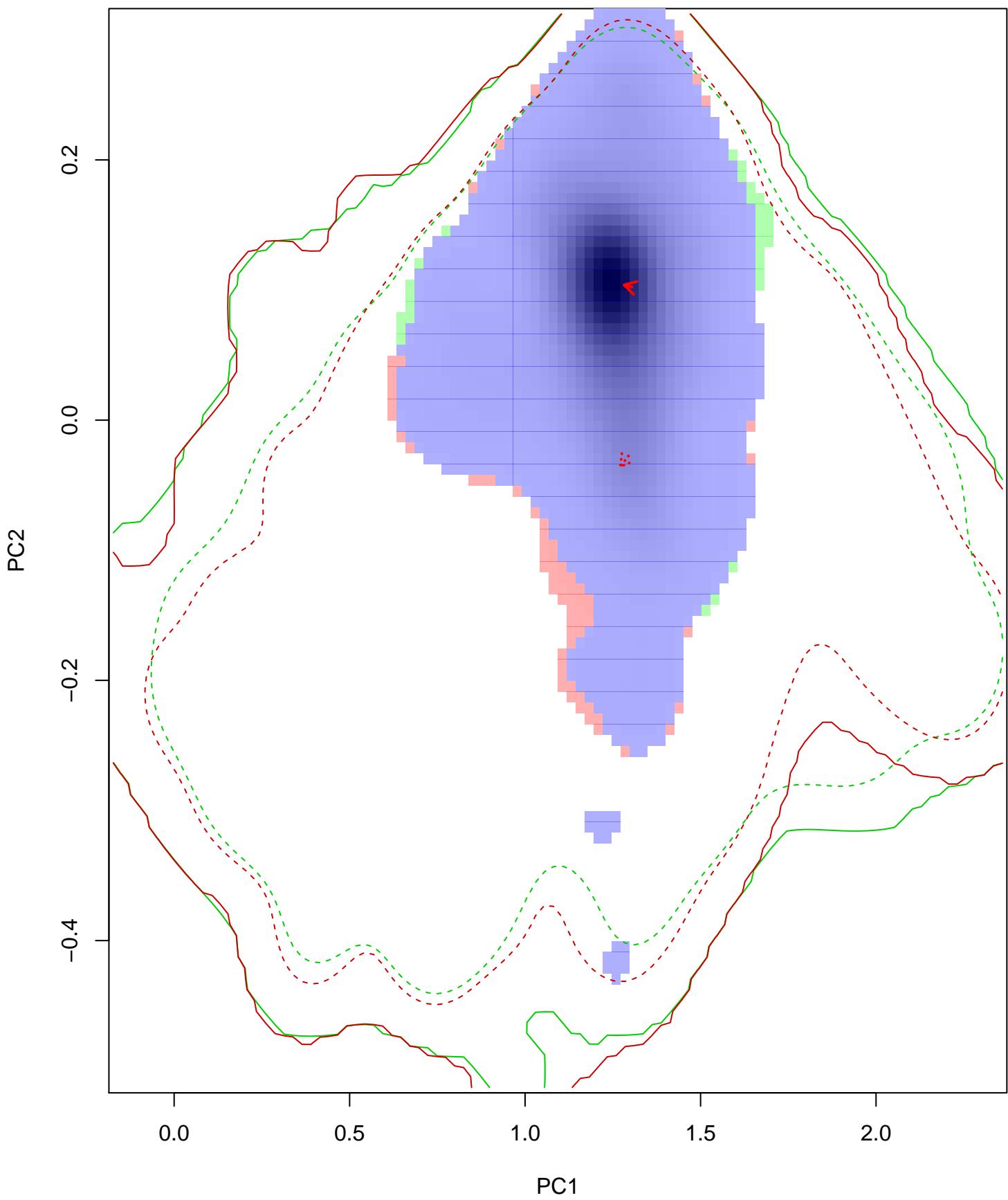
Similarity 2->1



Similarity 1->2

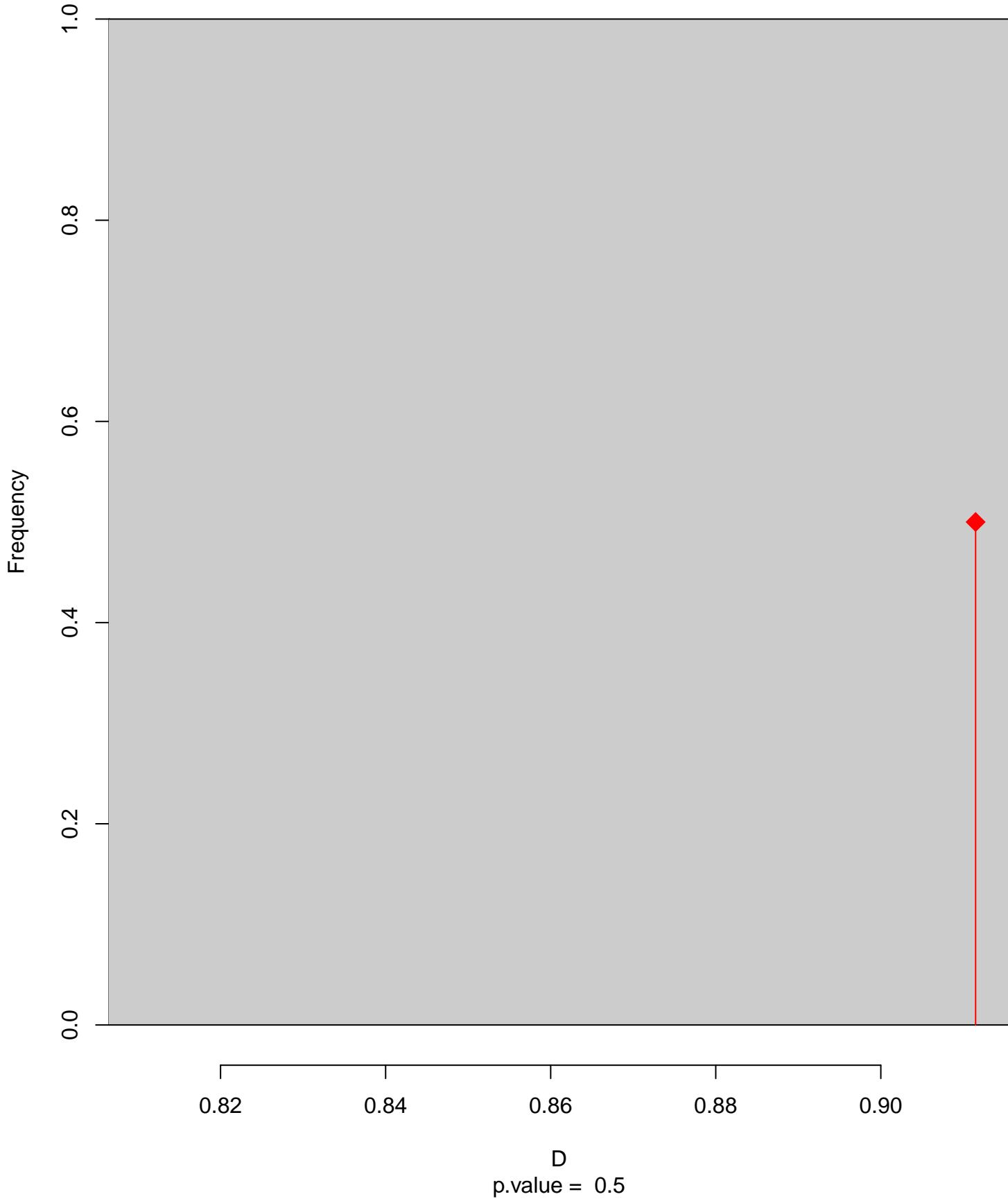


Psalidoprocne nitens seasonal overlap-hypo.br

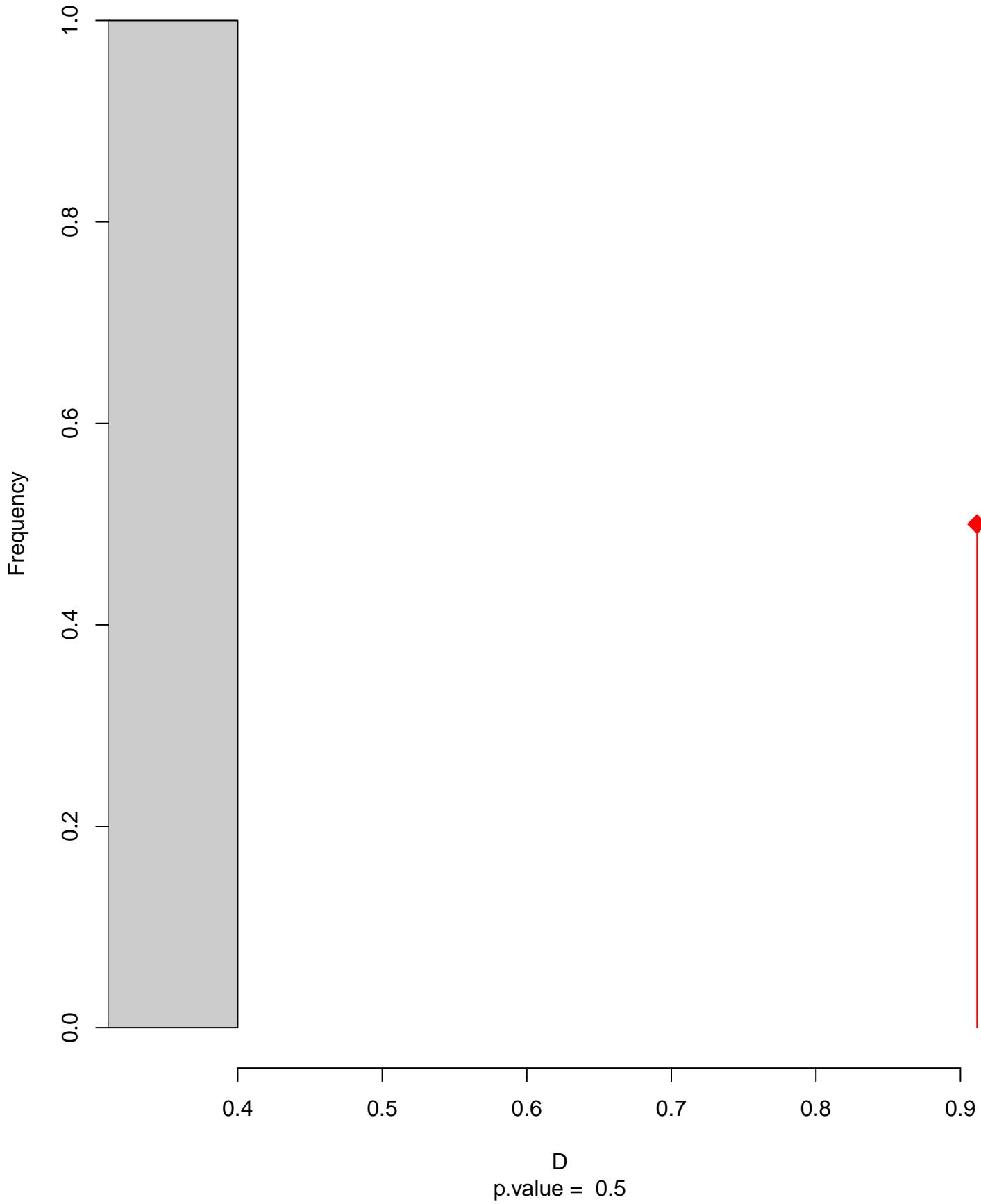


niche overlap:
D= 0.911

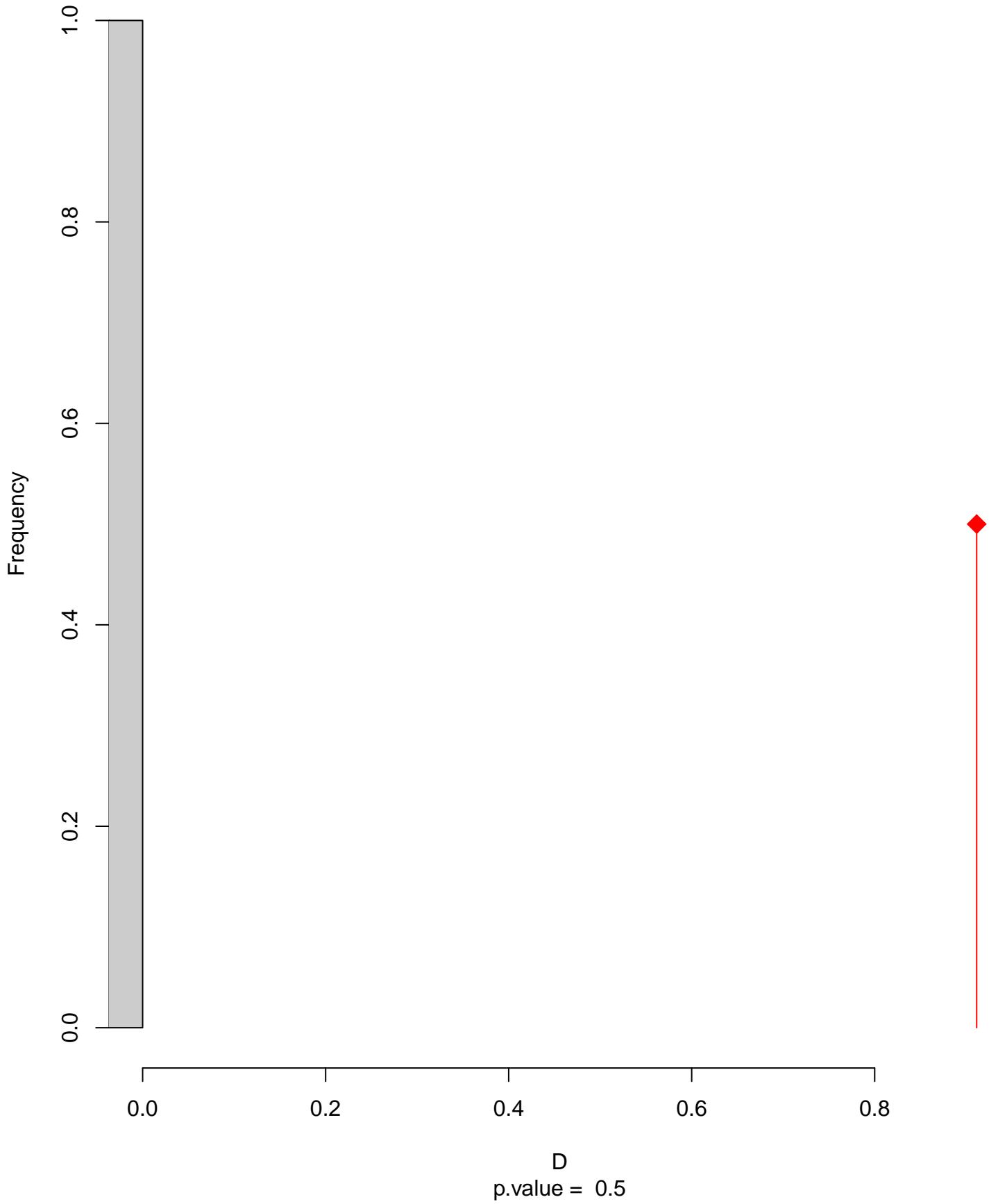
Equivalency



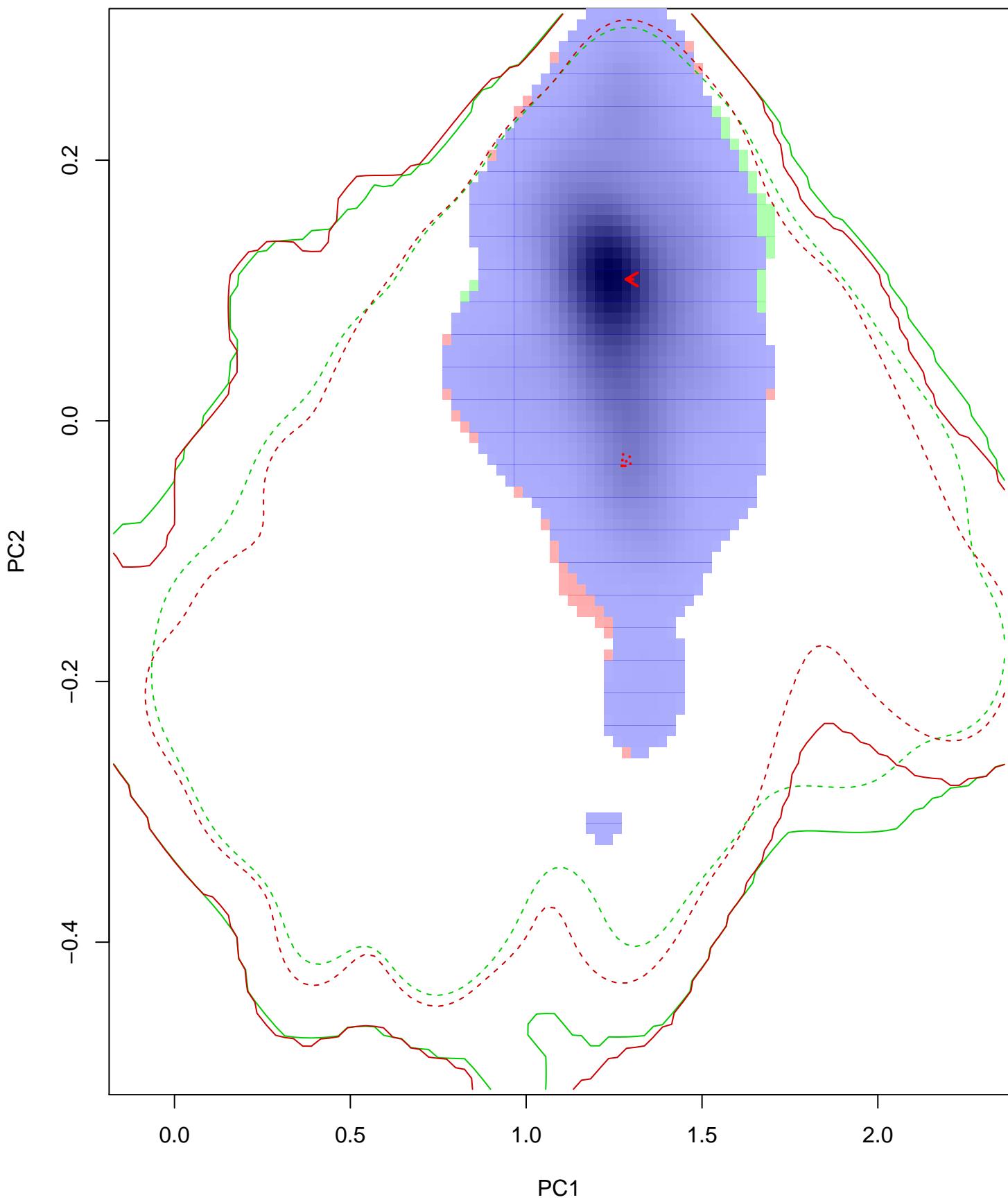
Similarity 2->1



Similarity 1→2

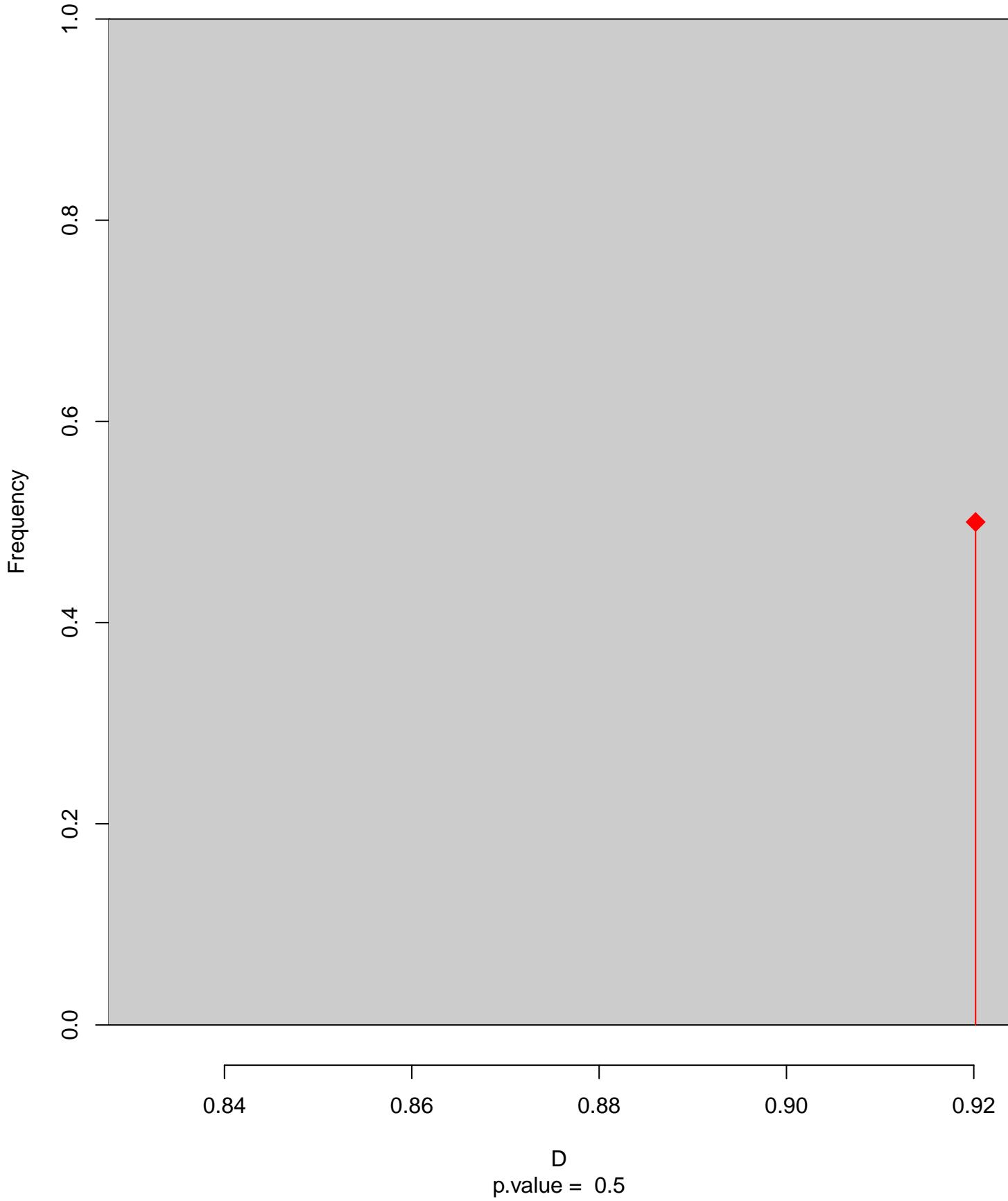


Psalidoprocne nitens seasonal overlap-hypo wi

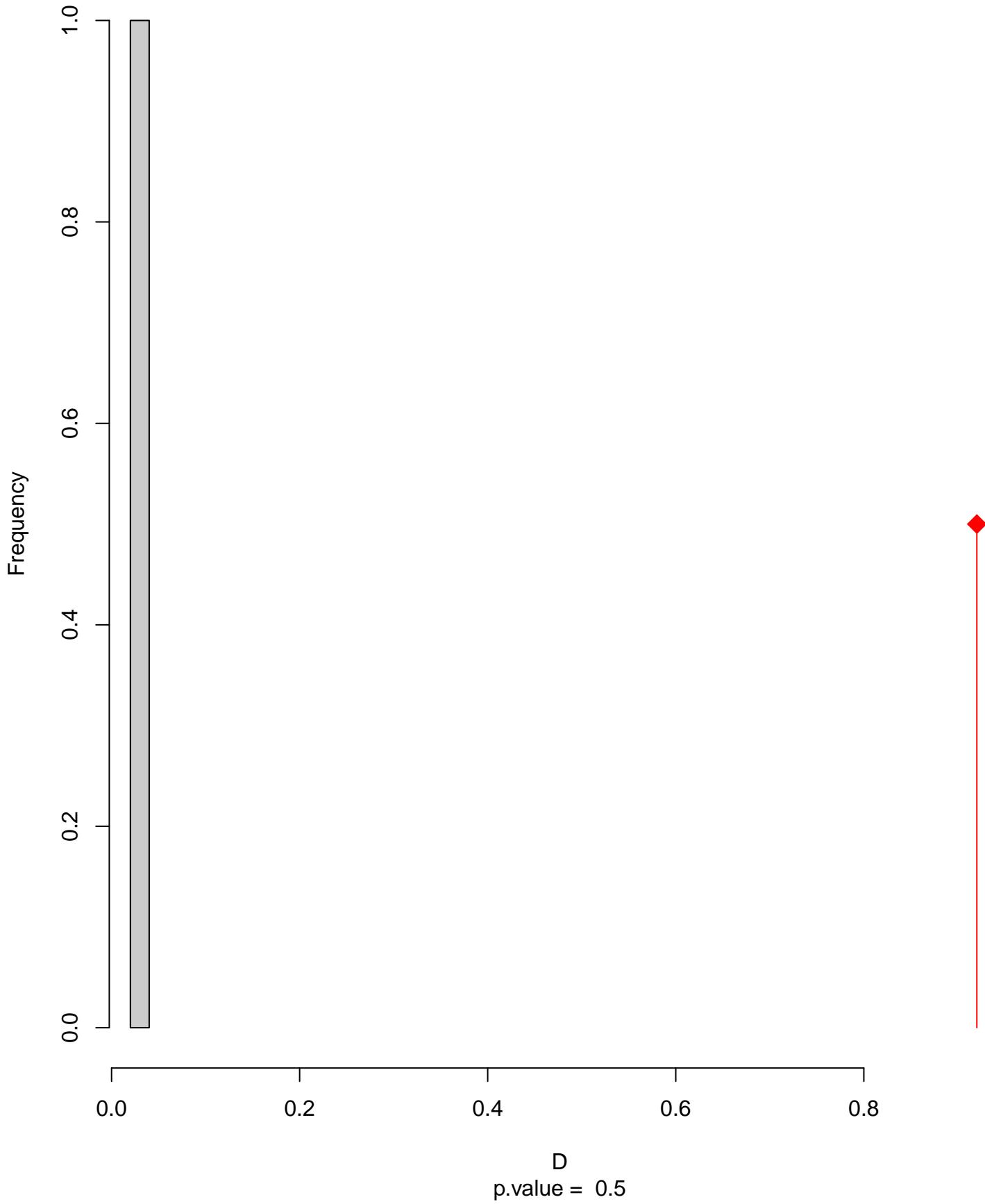


niche overlap:
 $D= 0.92$

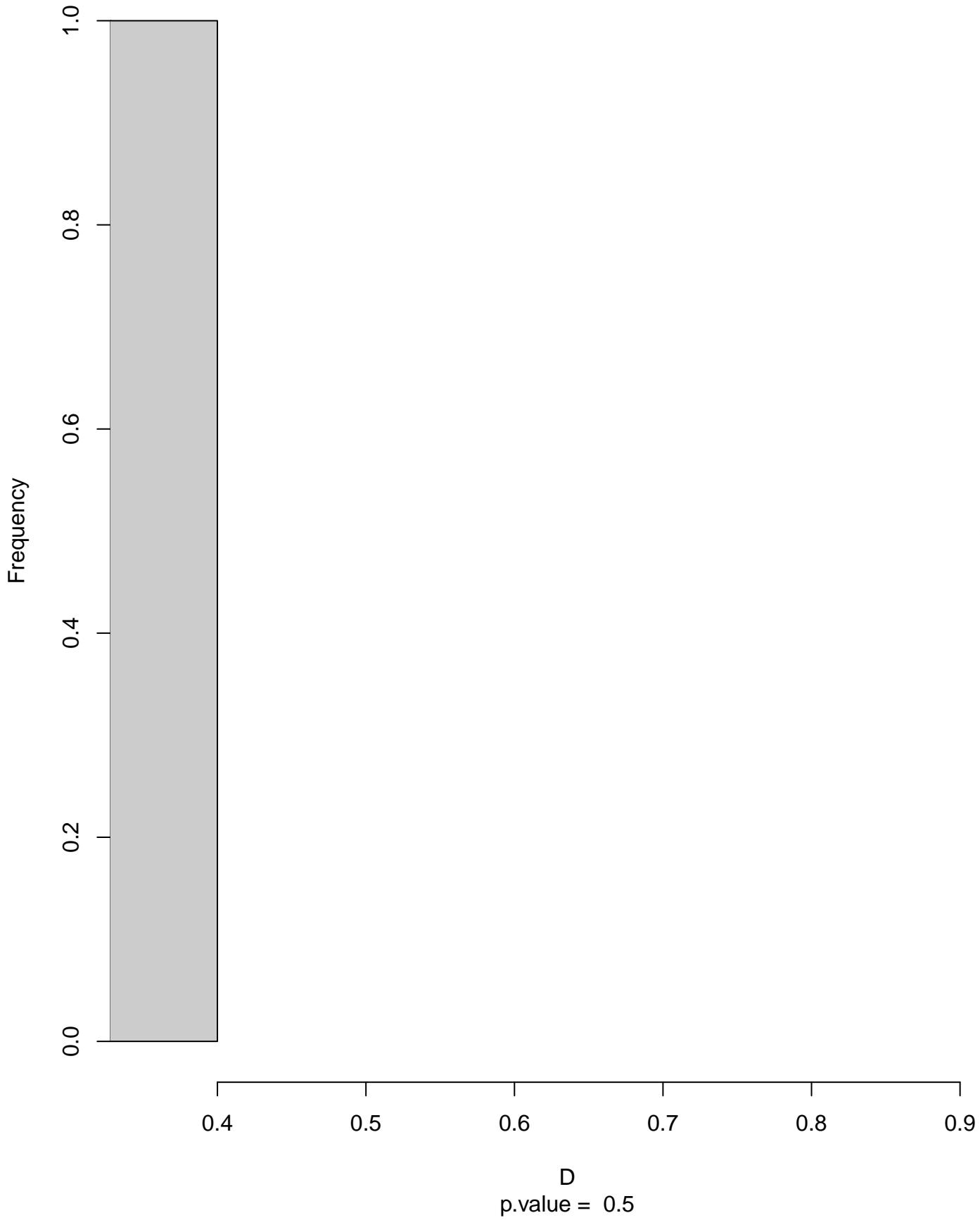
Equivalency



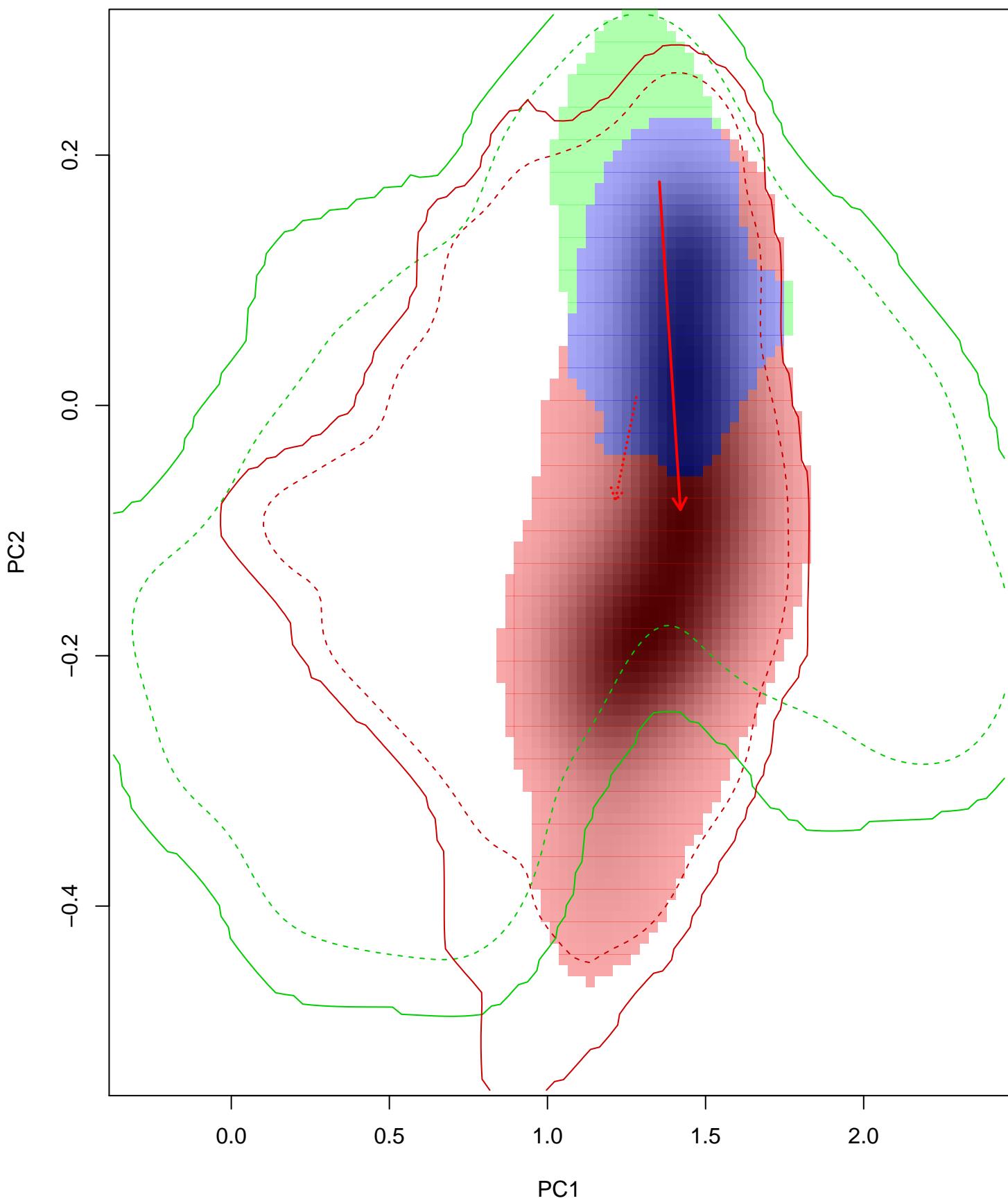
Similarity 2->1



Similarity 1→2

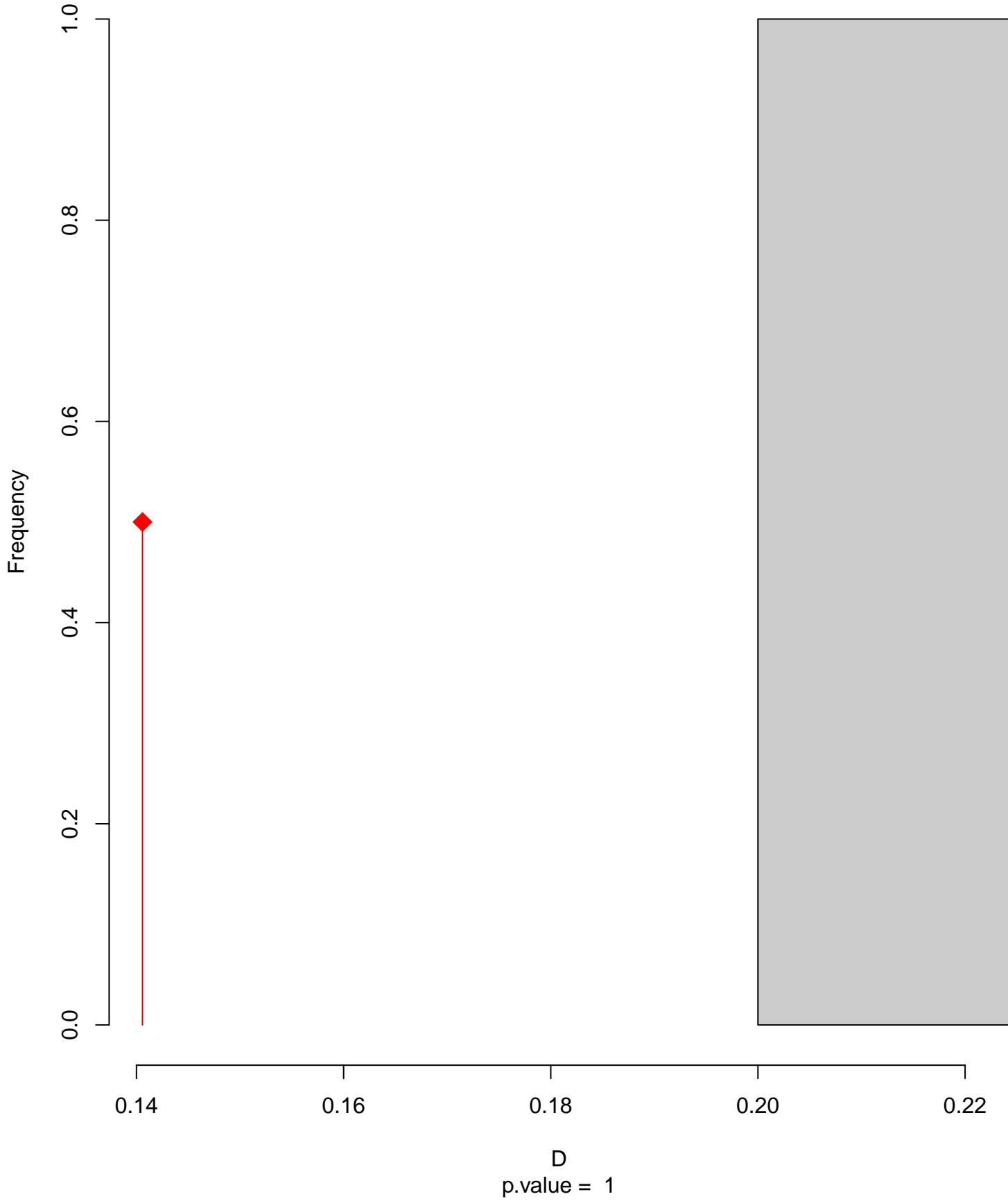


Psalidoprocne obscura seasonal overlap



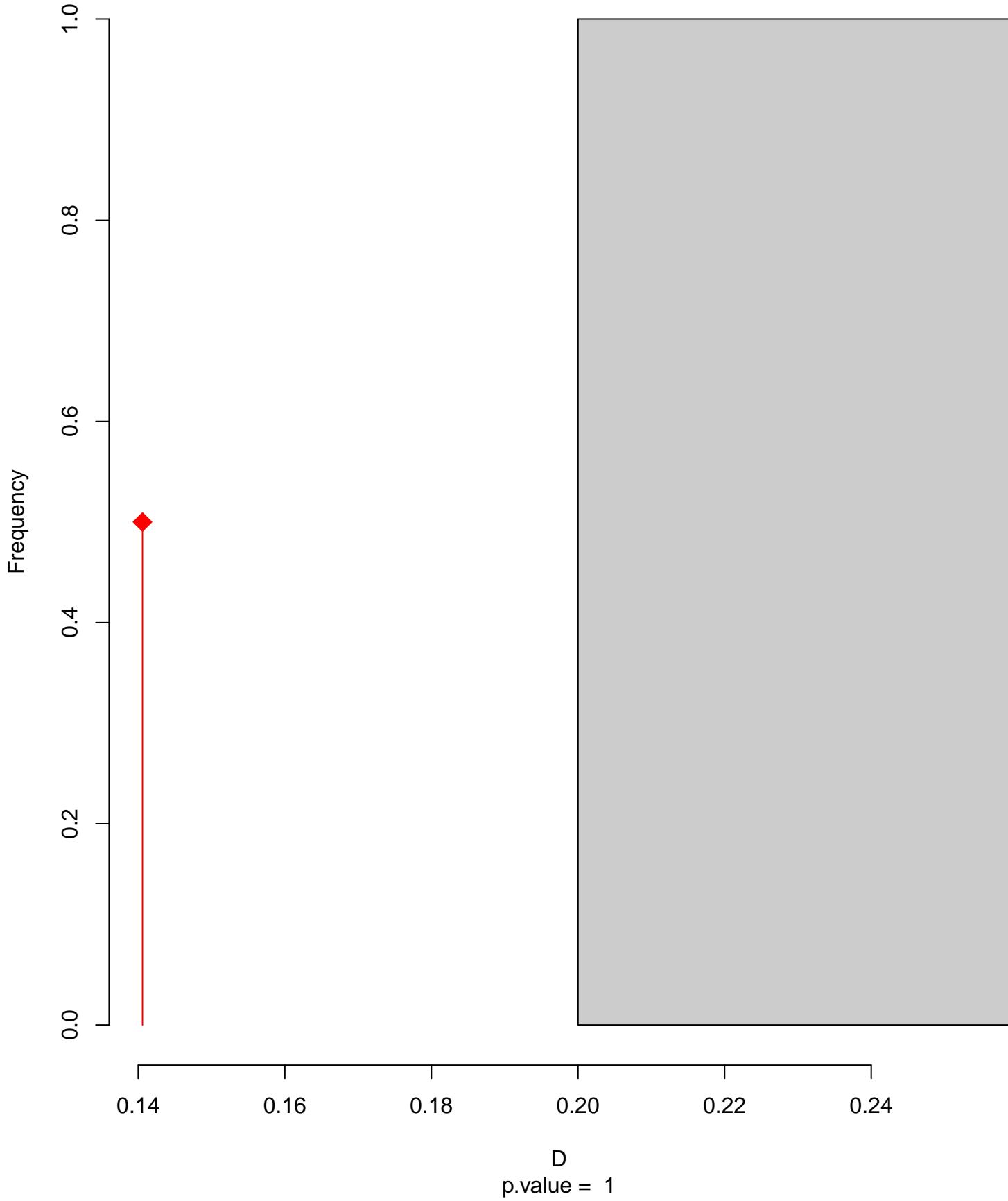
niche overlap:
 $D = 0.141$

Equivalency

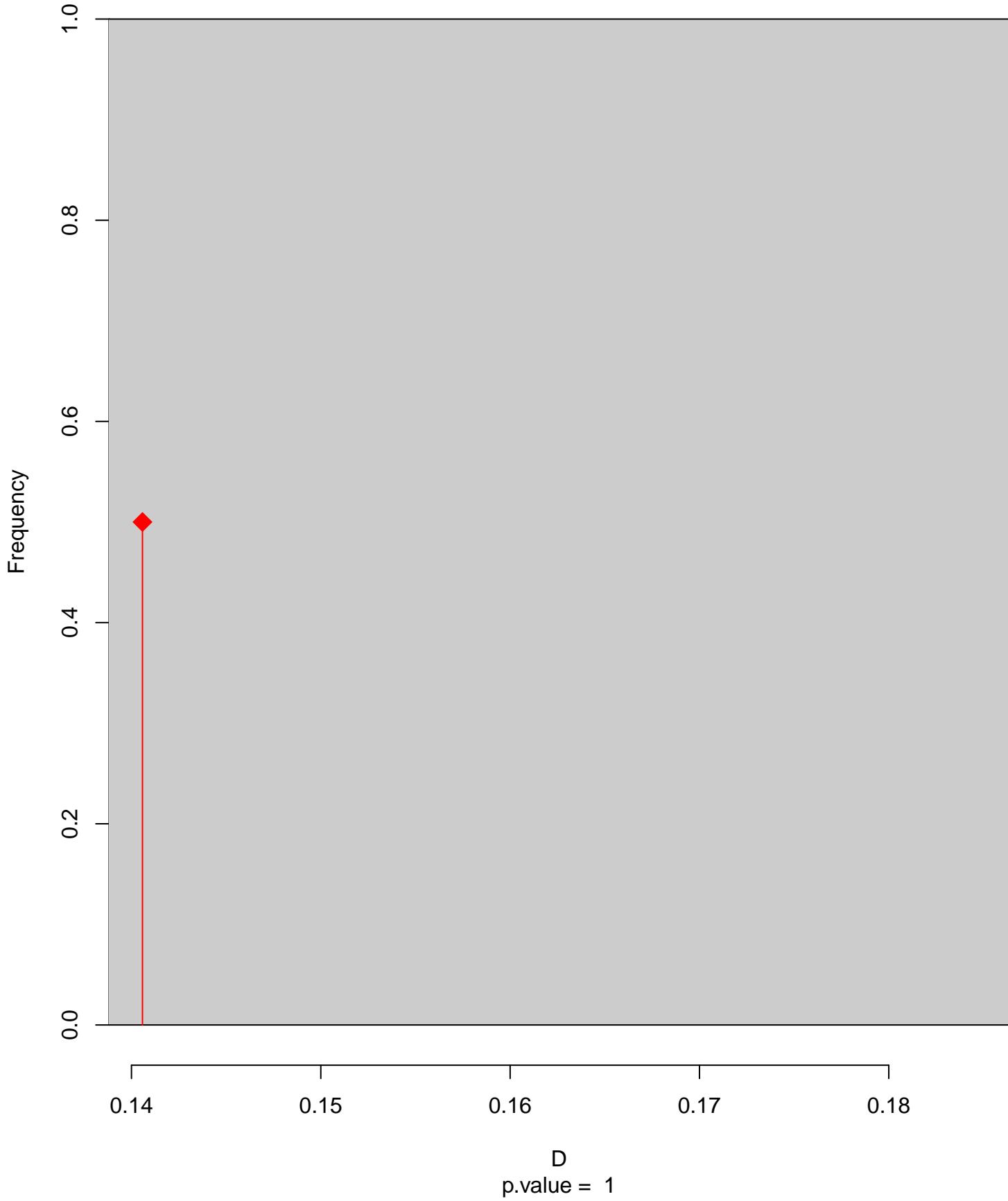


D
p.value = 1

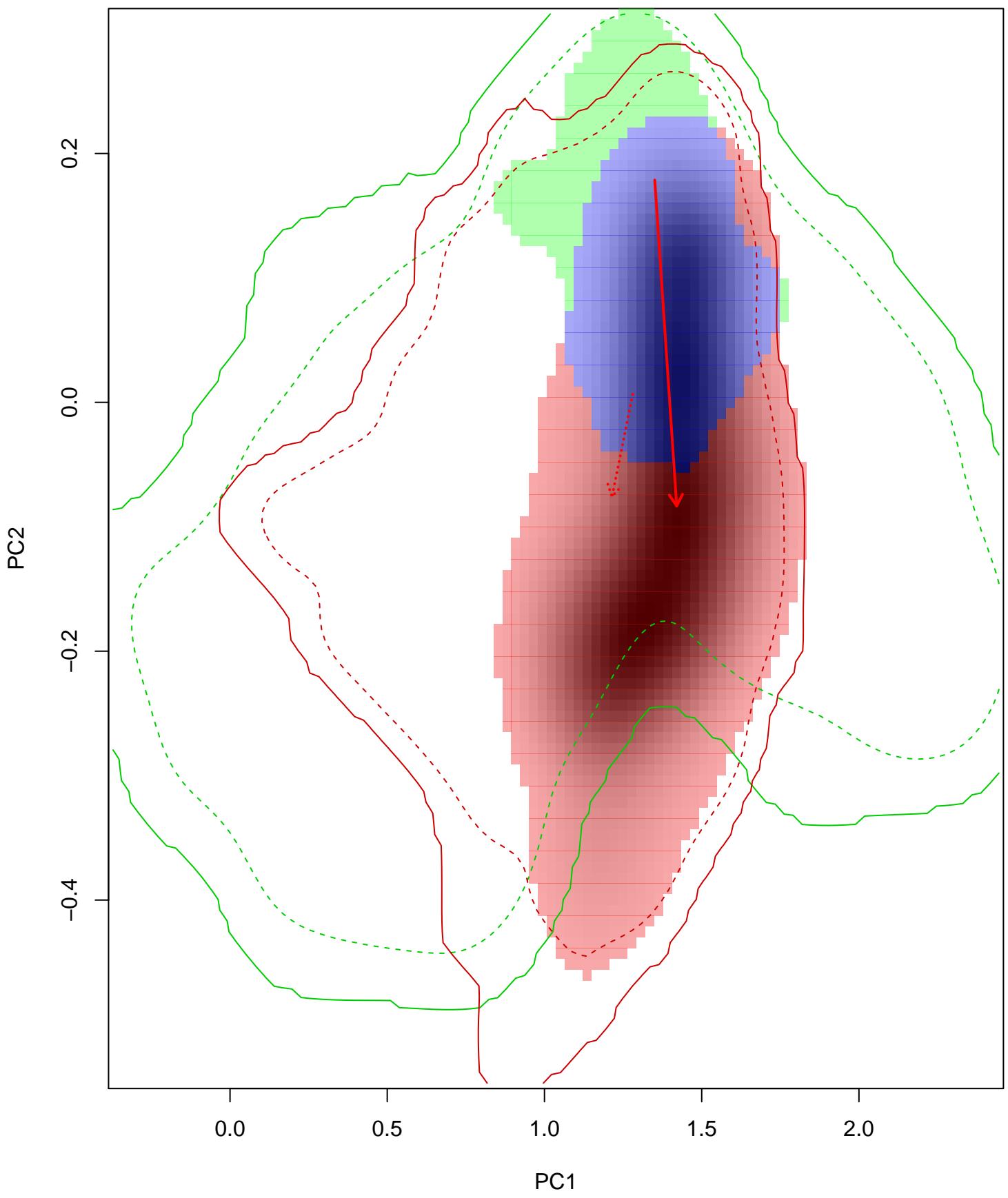
Similarity 2->1



Similarity 1→2

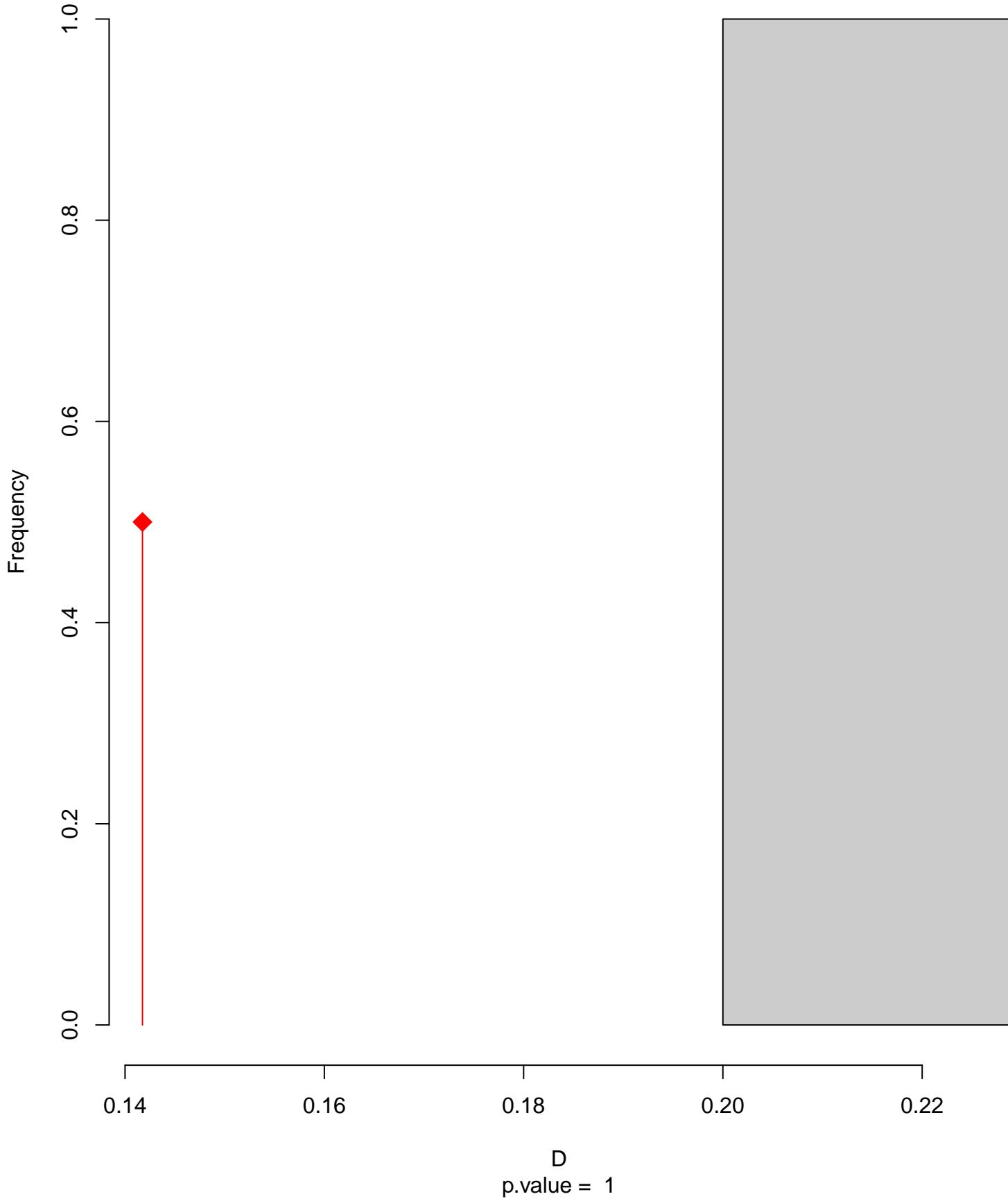


Psalidoprocne obscura seasonal overlap-hypo.br

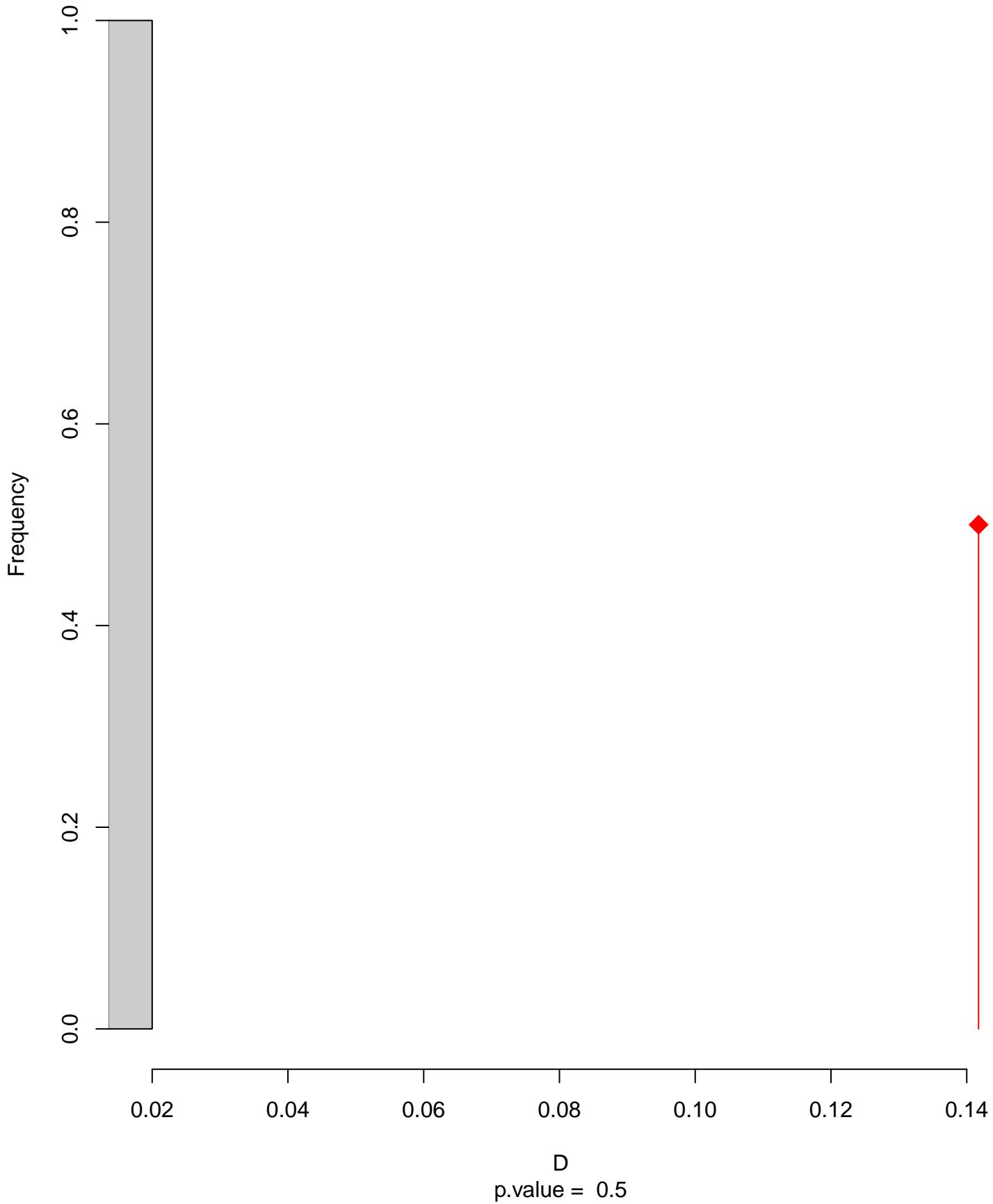


niche overlap:
 $D = 0.142$

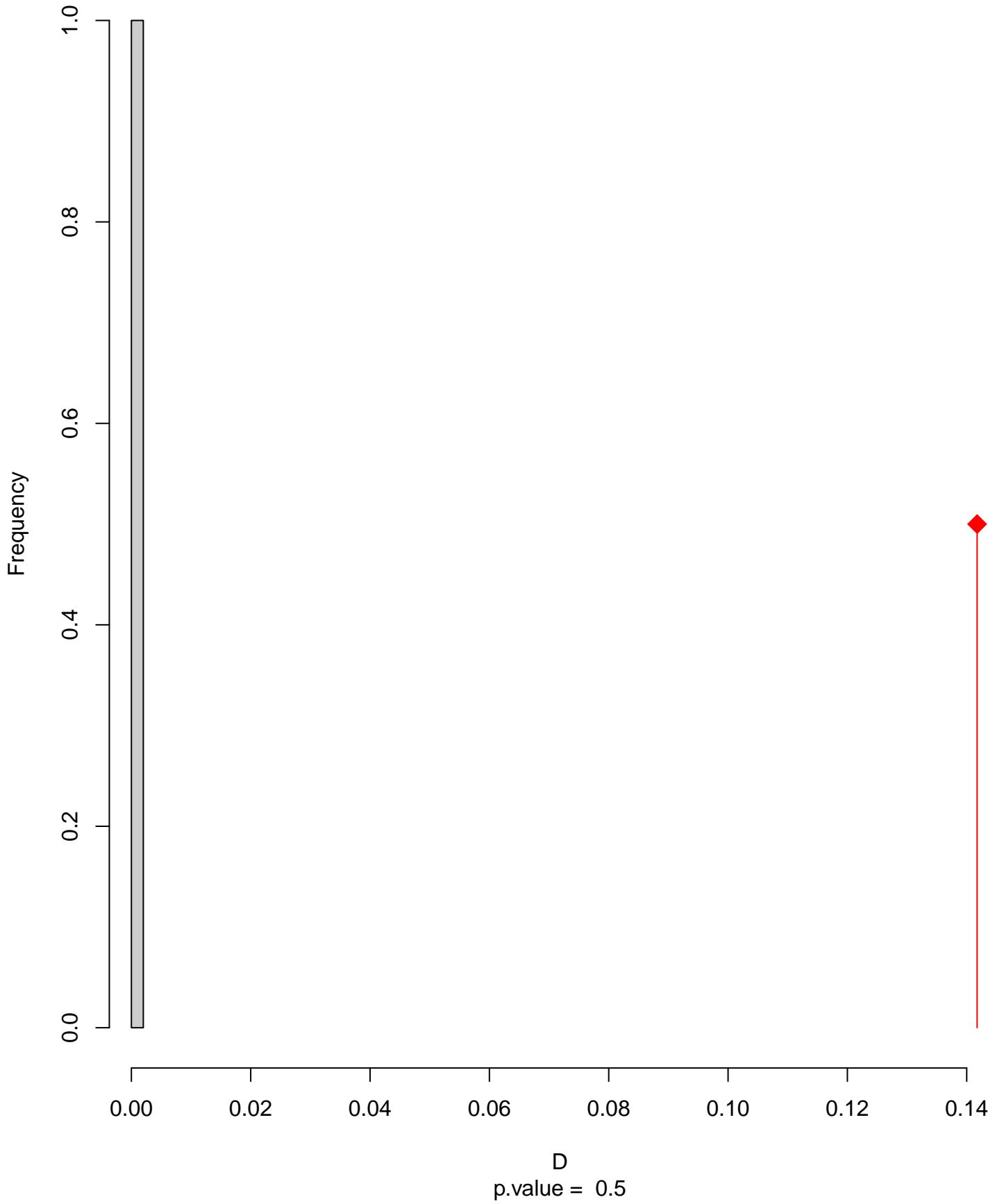
Equivalency



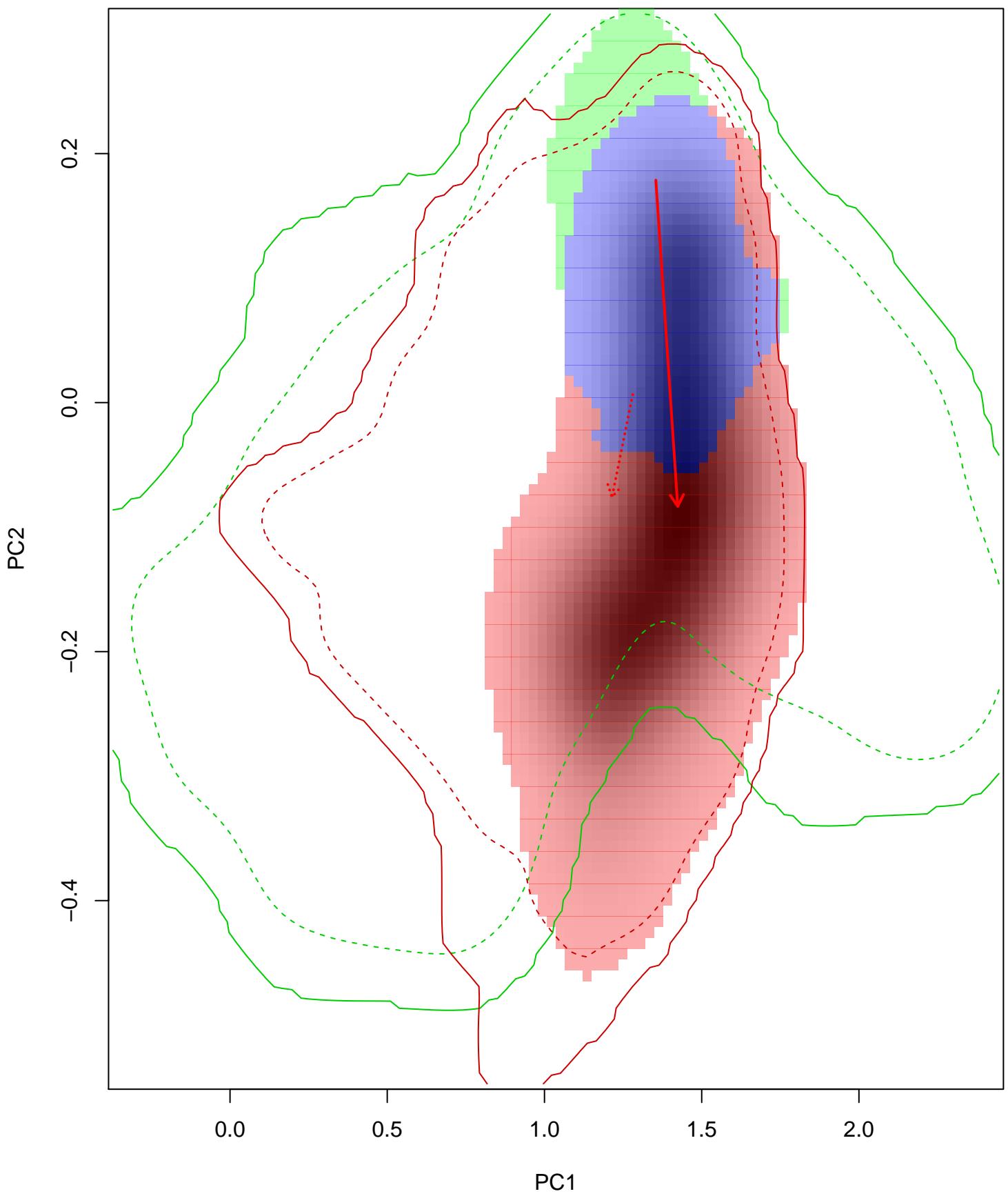
Similarity 2->1



Similarity 1→2

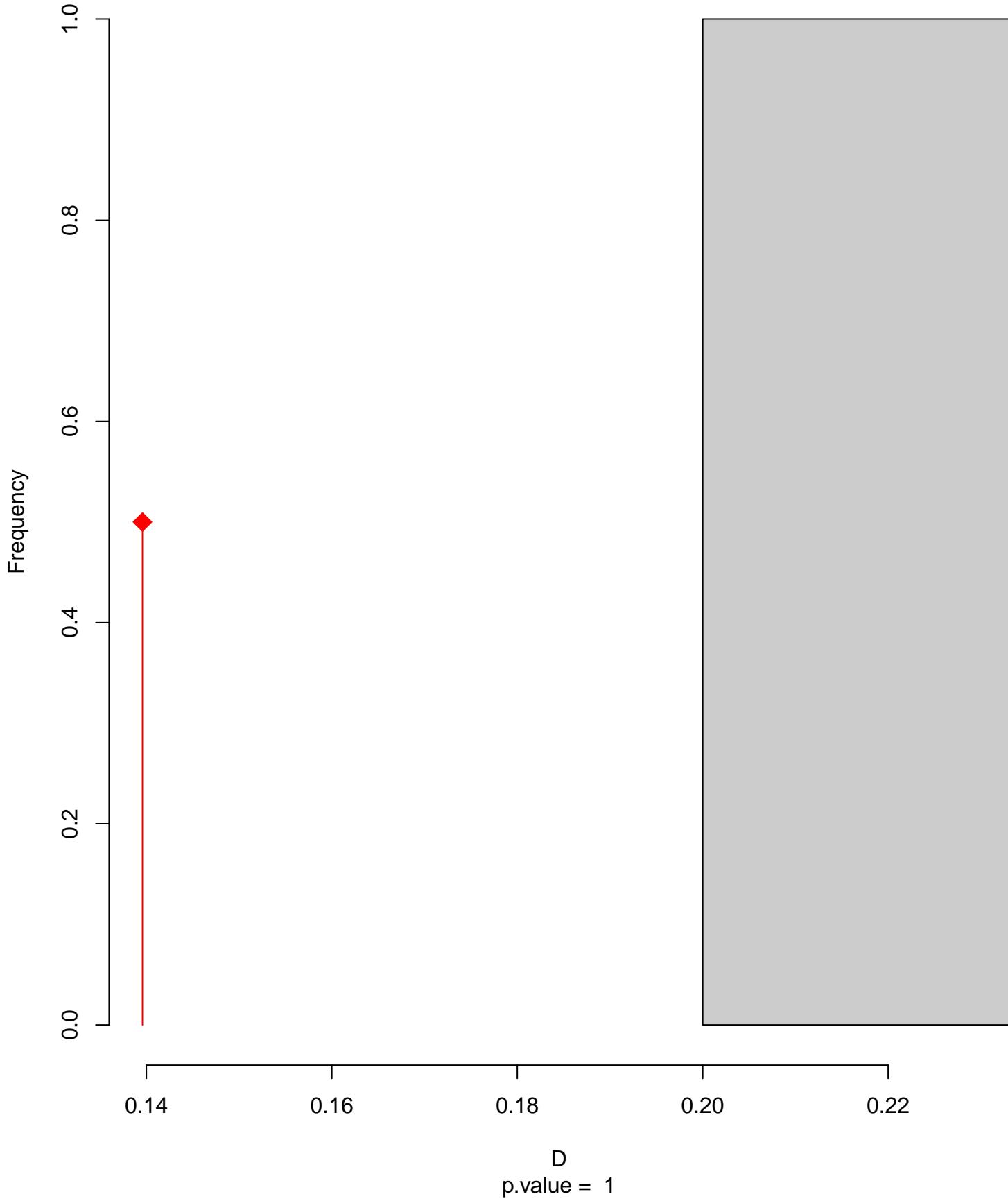


Psalidoprocne obscura seasonal overlap-hypo wi

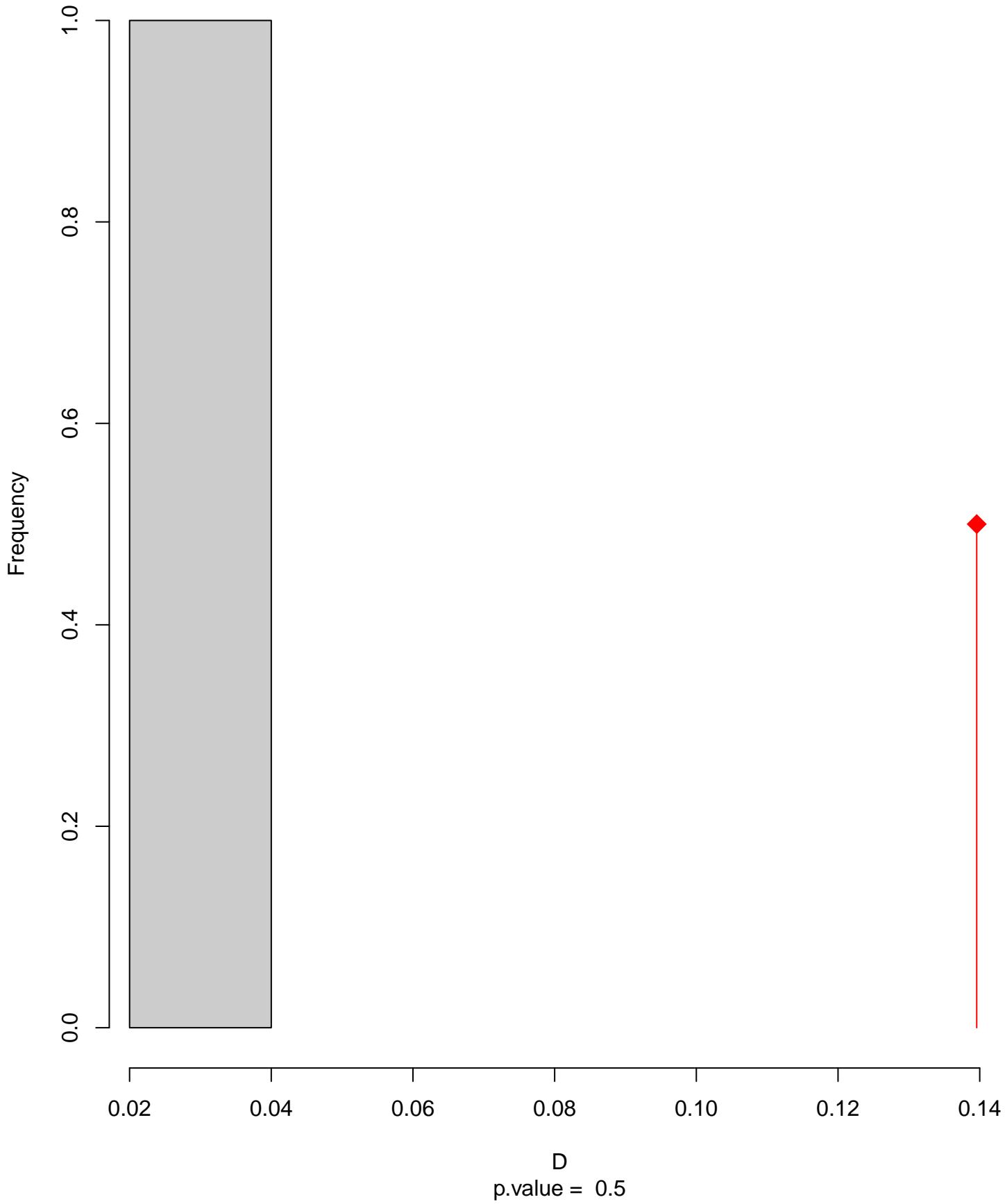


niche overlap:
 $D = 0.14$

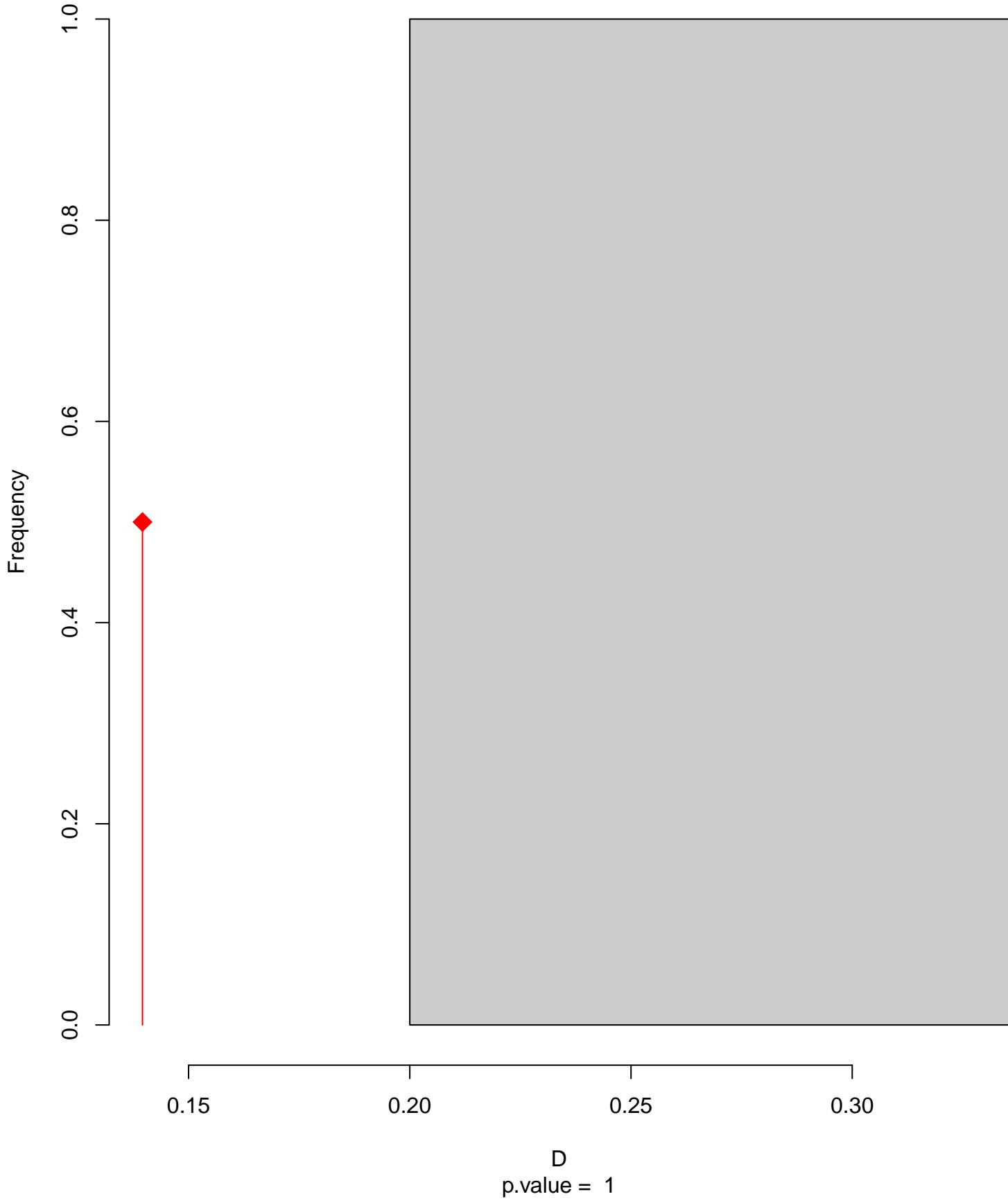
Equivalency



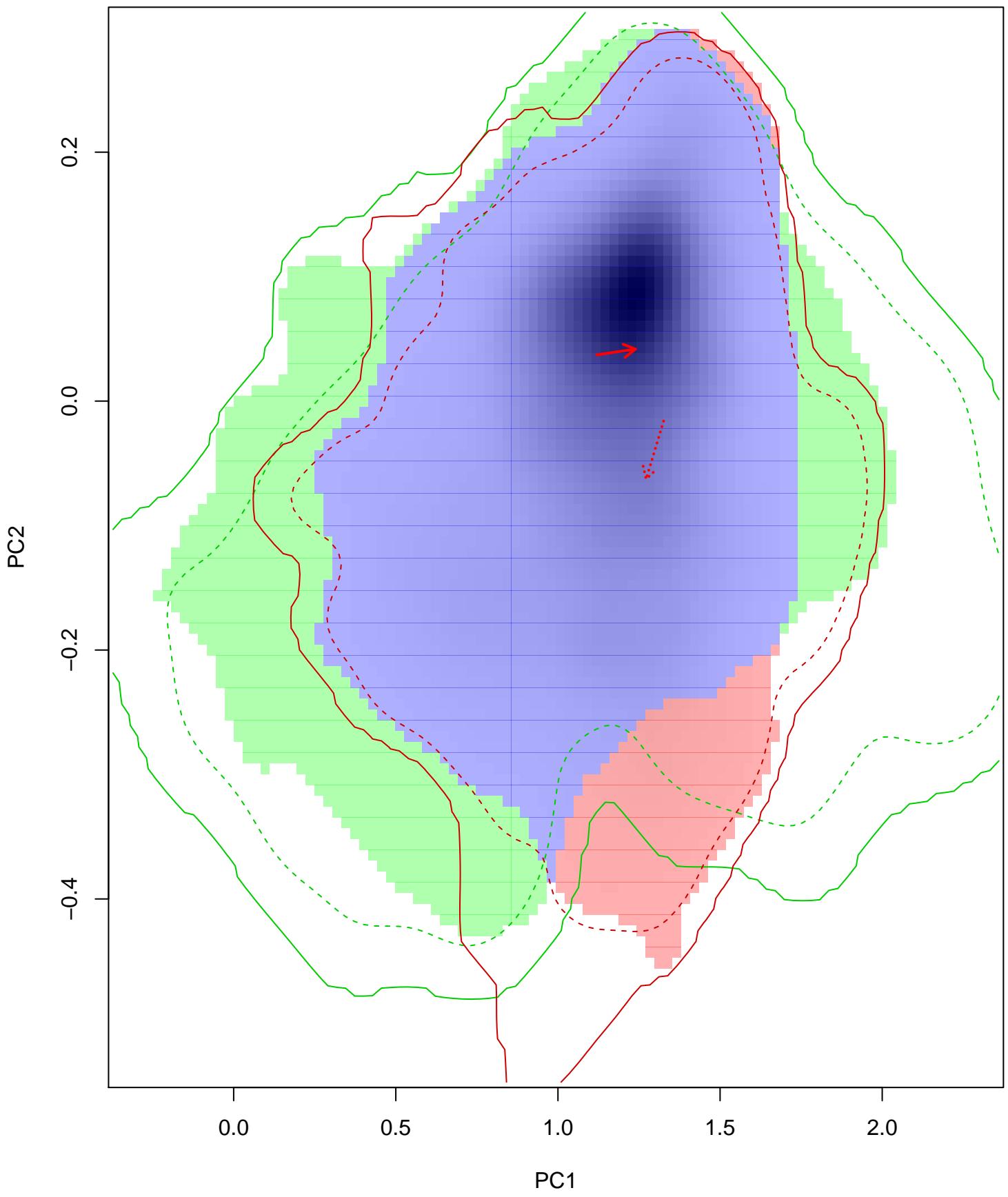
Similarity 2->1



Similarity 1→2

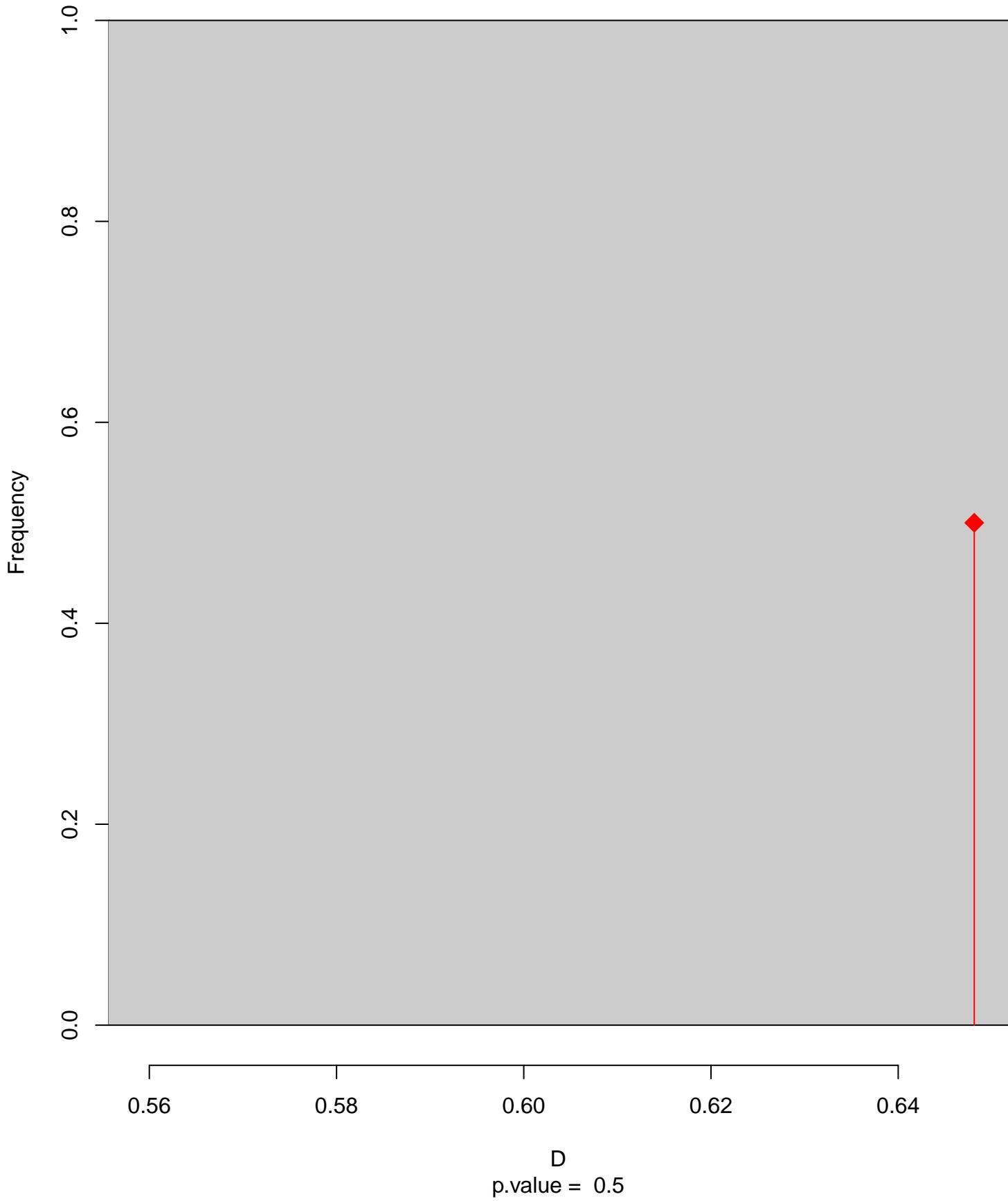


Psalidoprocne pristoptera seasonal overlap

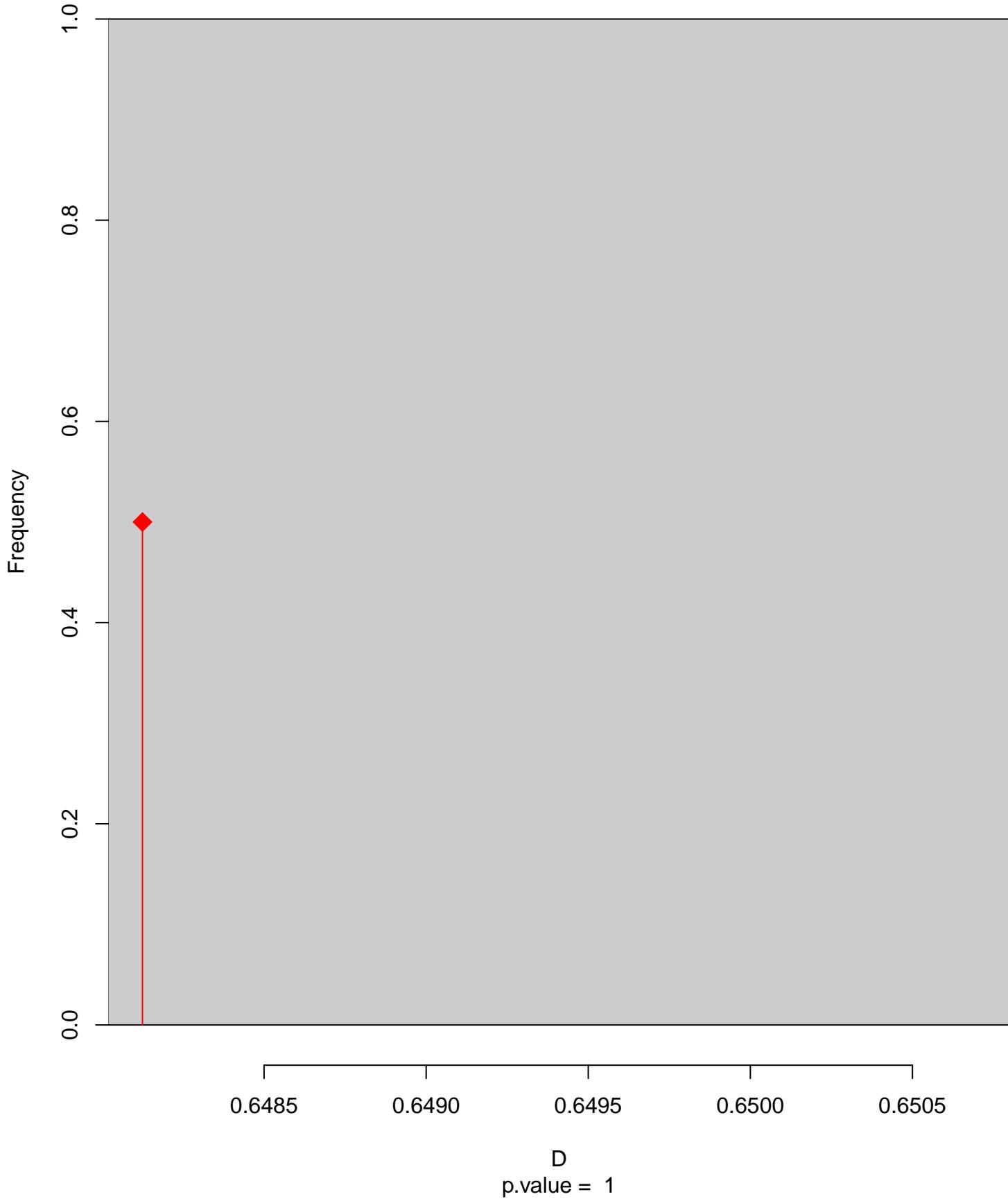


niche overlap:
 $D = 0.648$

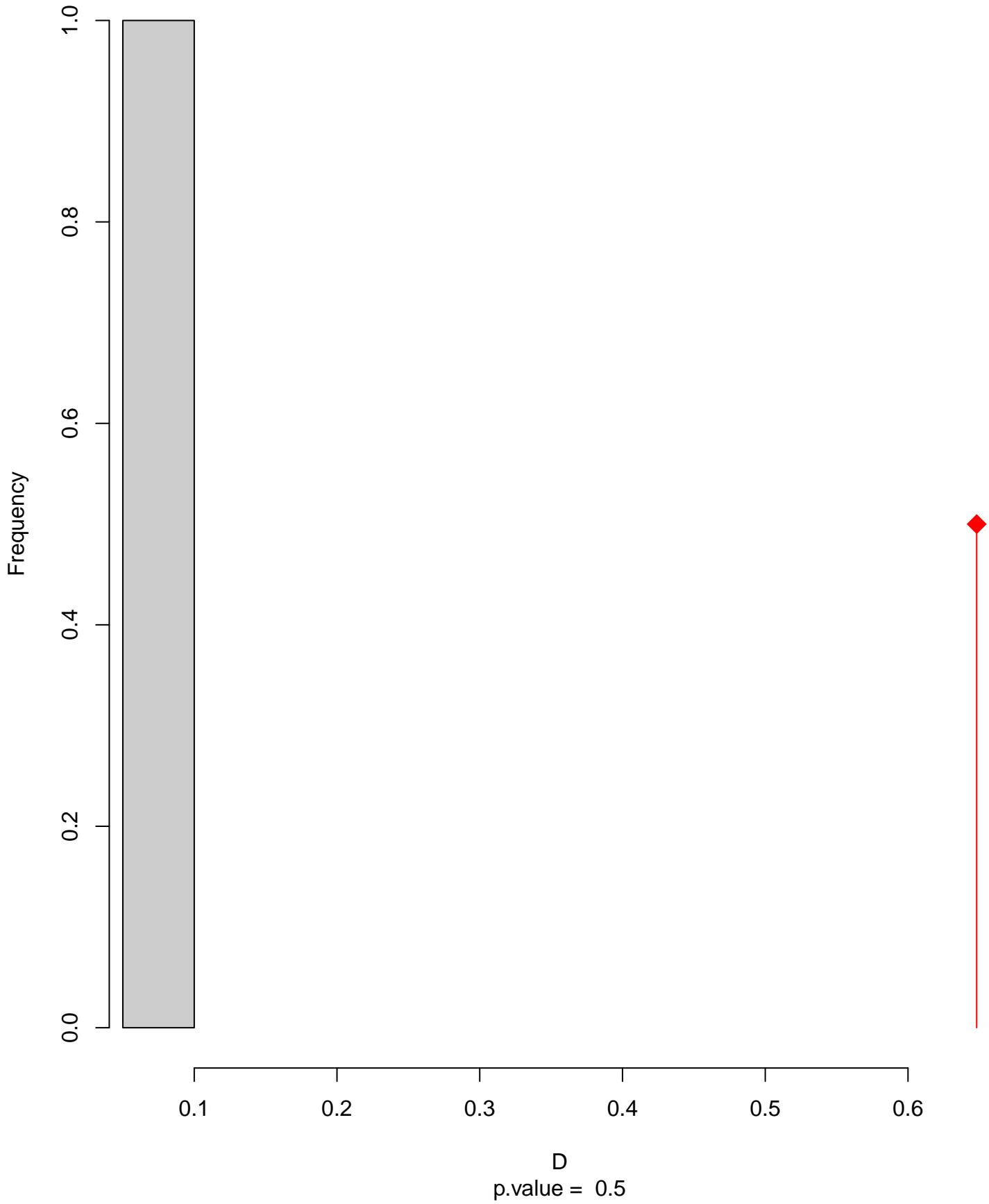
Equivalency



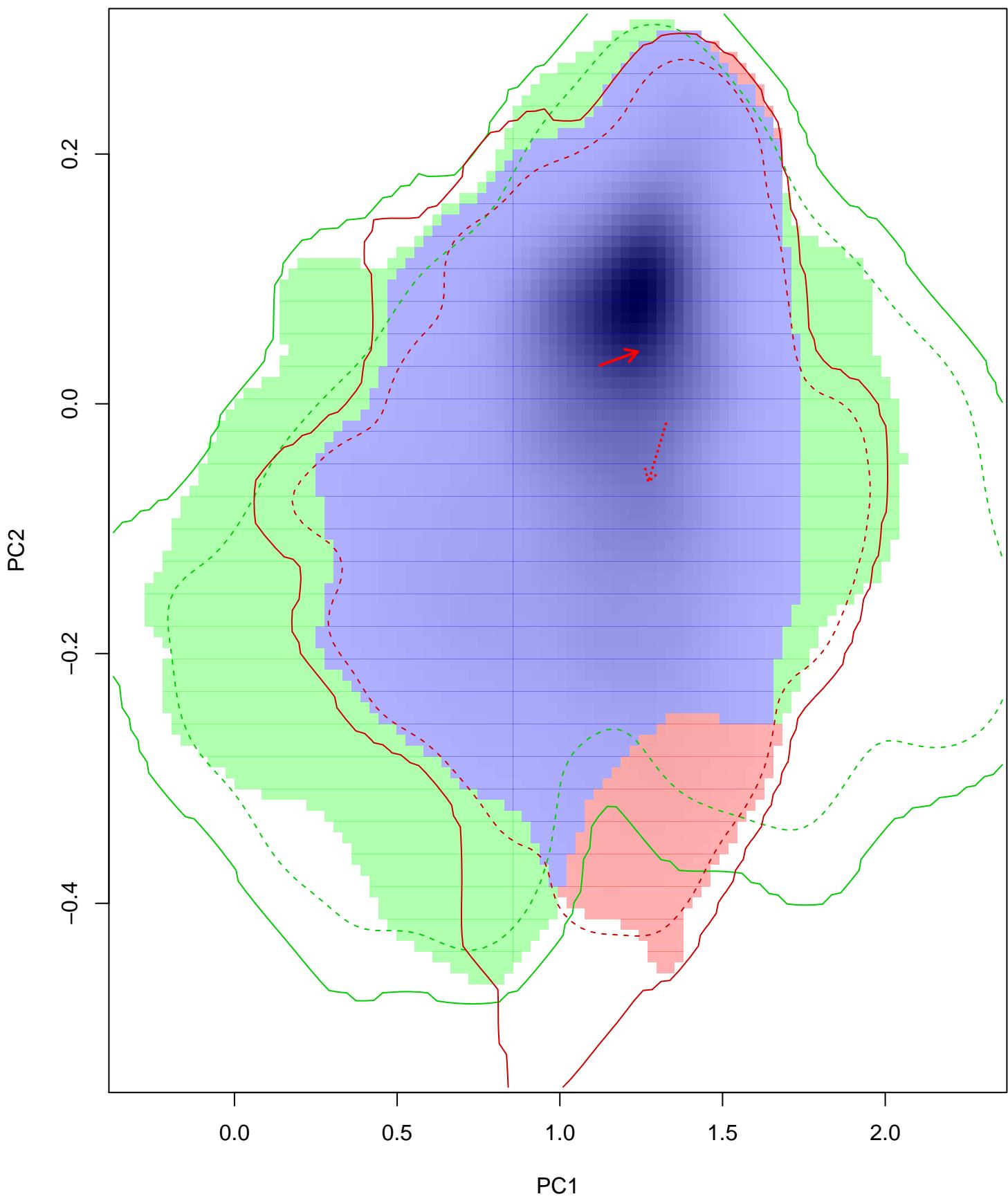
Similarity 2->1



Similarity 1→2

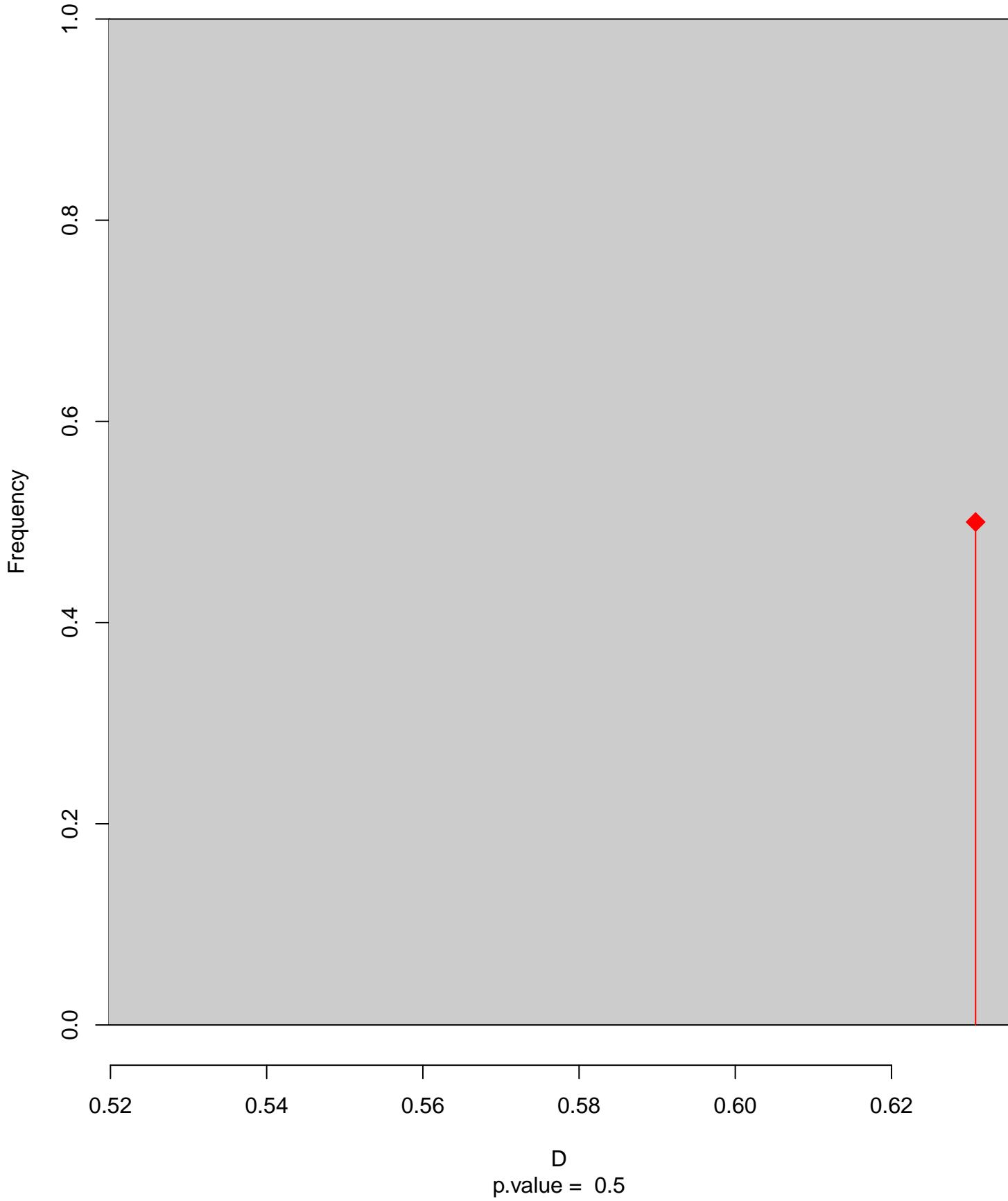


Psalidoprocne_pristoptera seasonal overlap-hypo.br

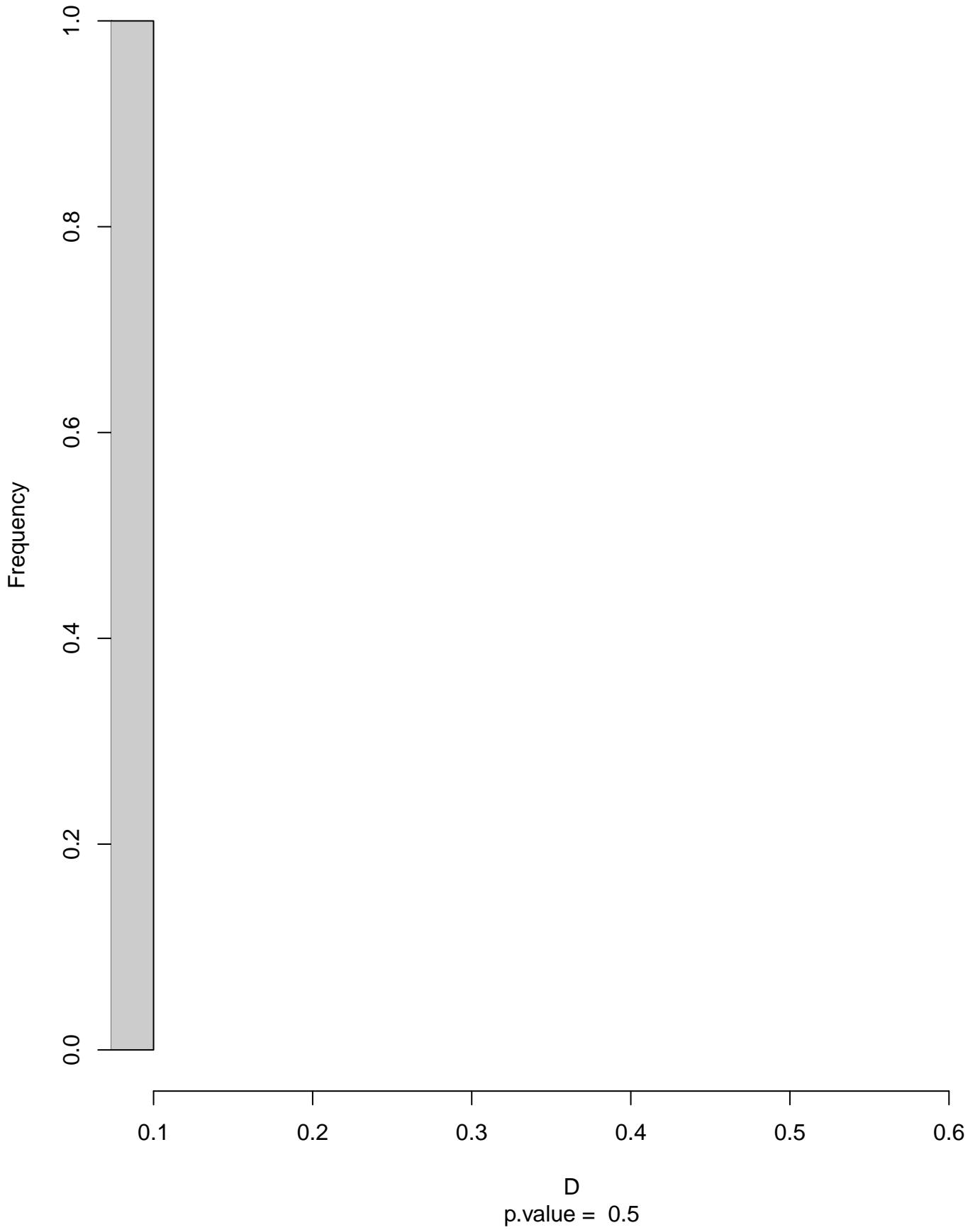


niche overlap:
 $D = 0.631$

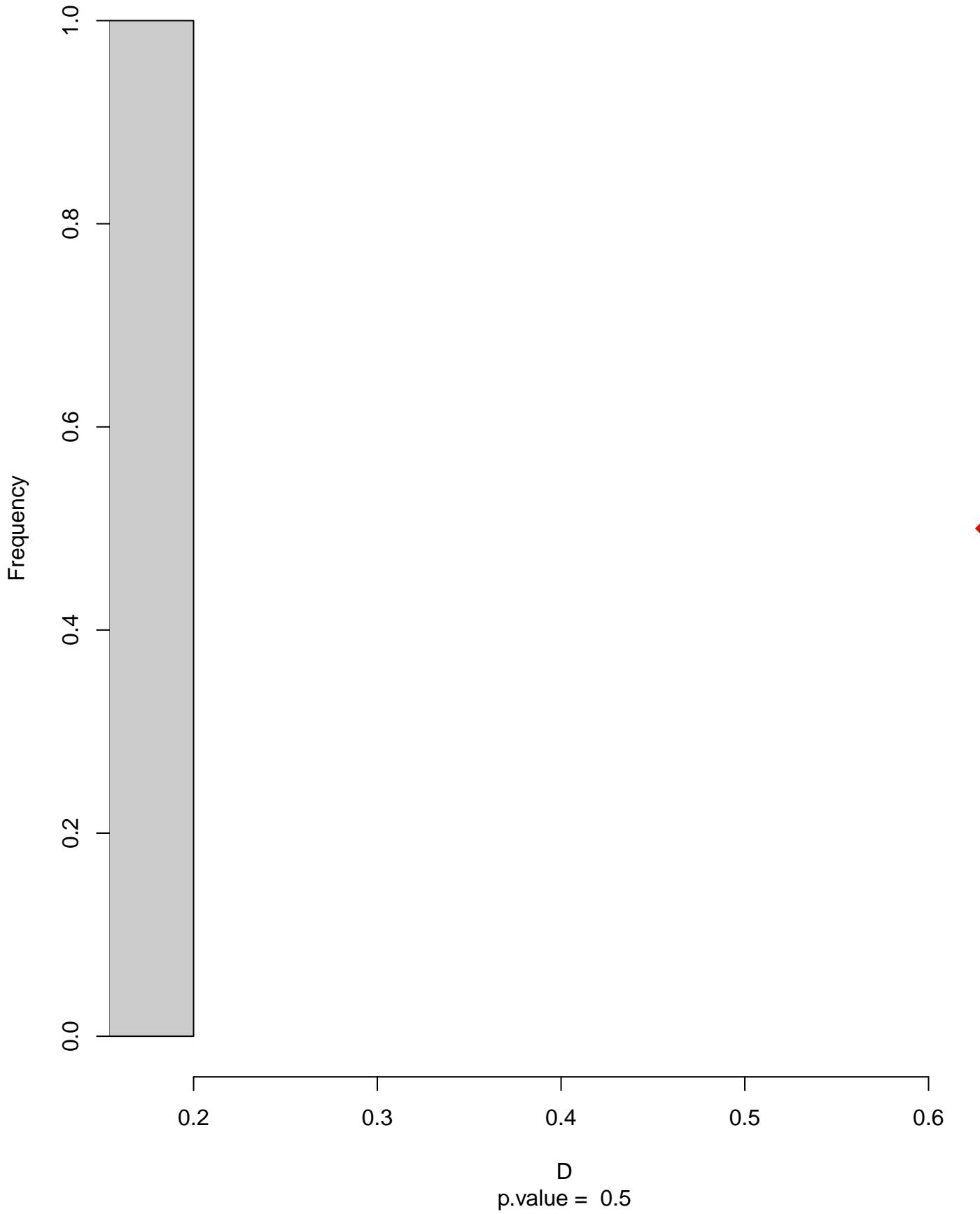
Equivalency



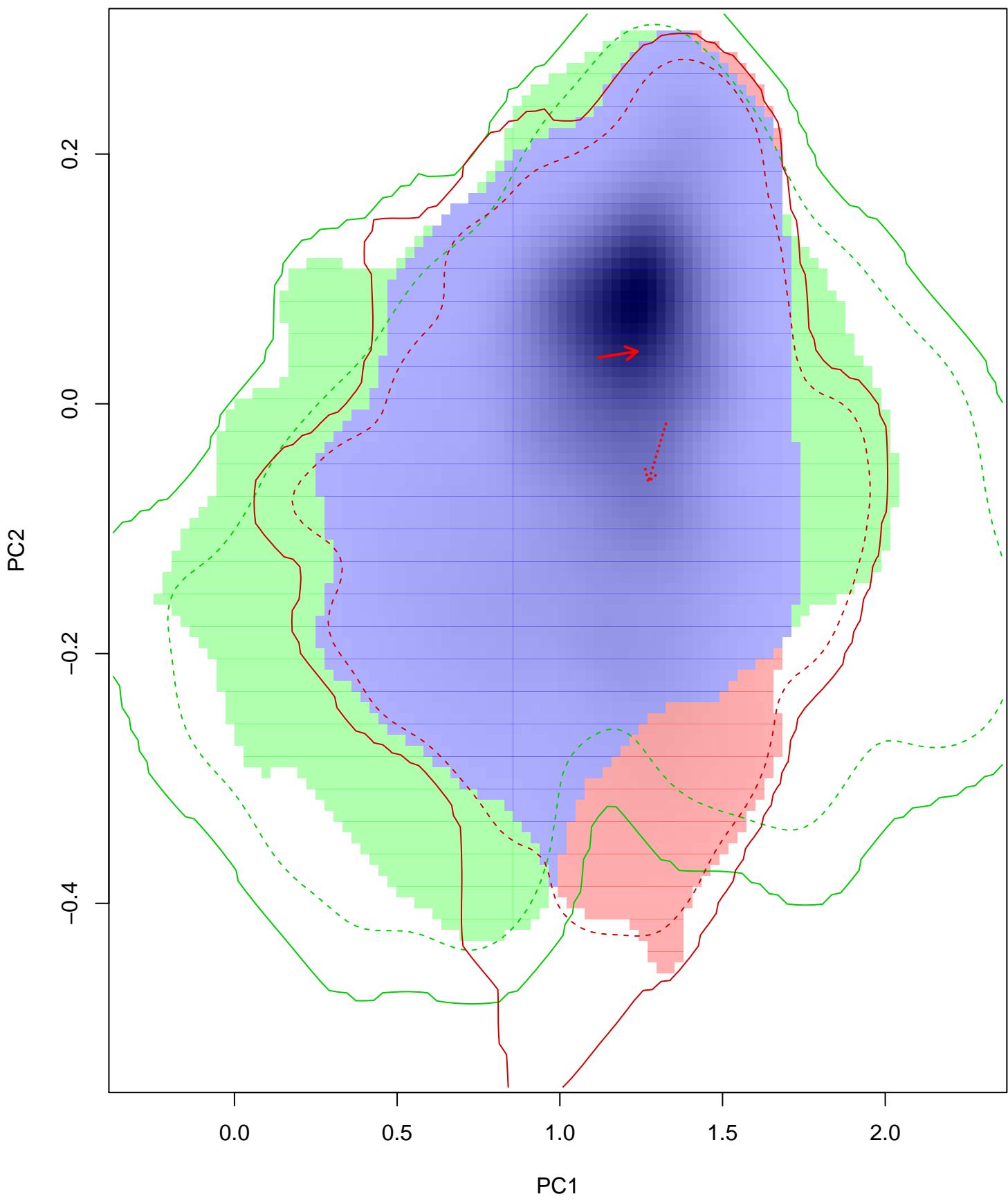
Similarity 2->1



Similarity 1→2

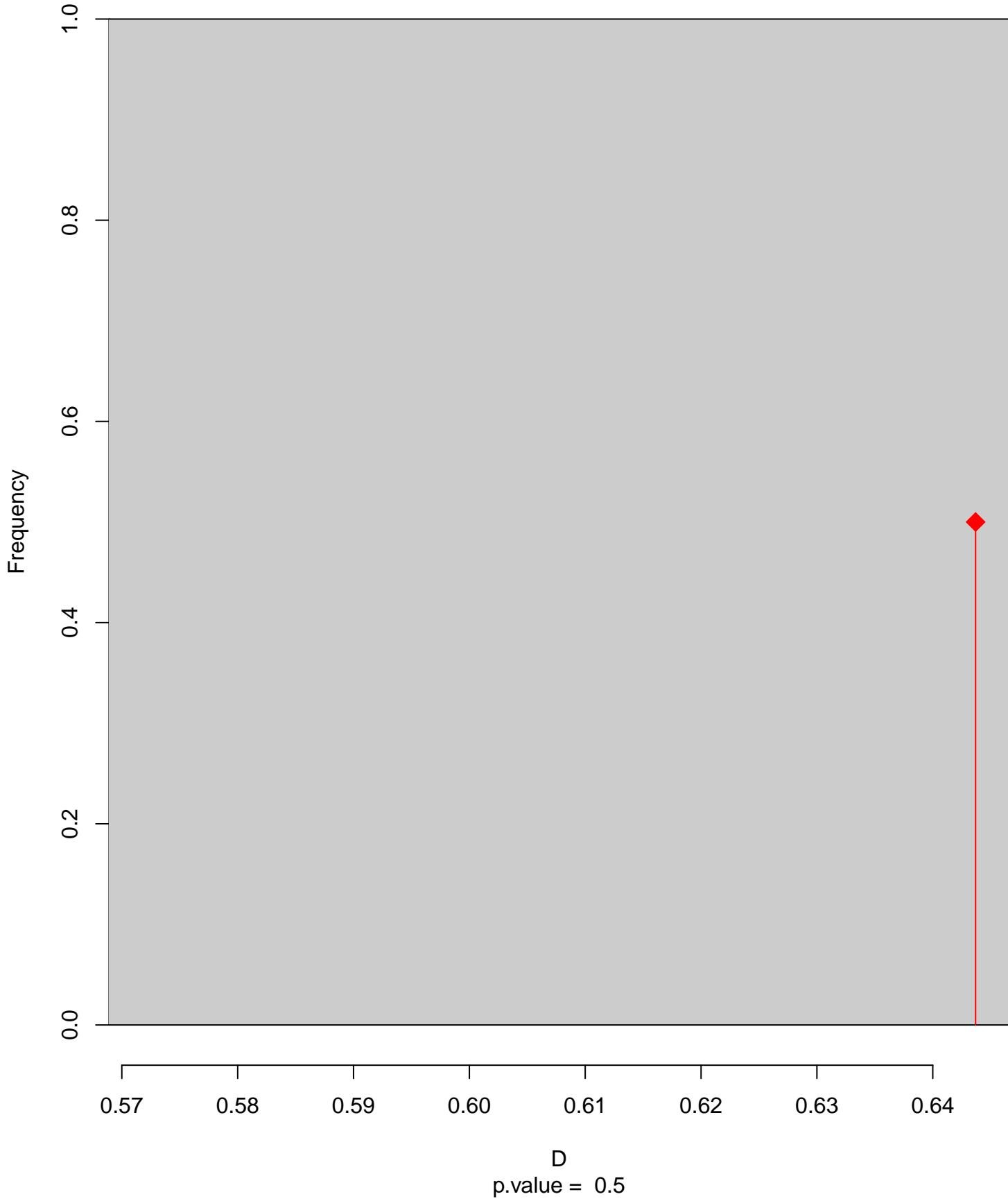


Psalidoprocne pristoptera seasonal overlap-hypo wi

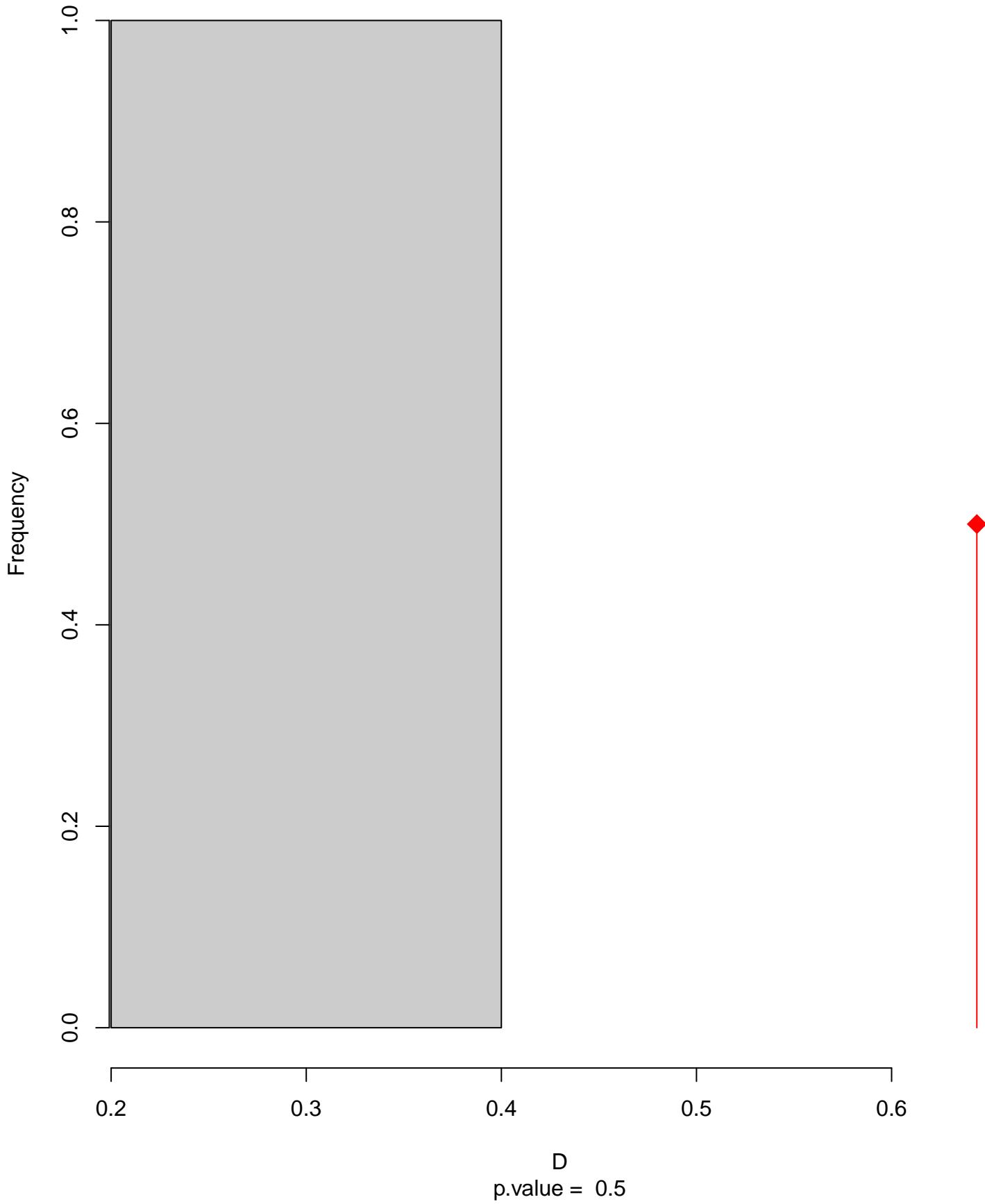


niche overlap:
 $D = 0.644$

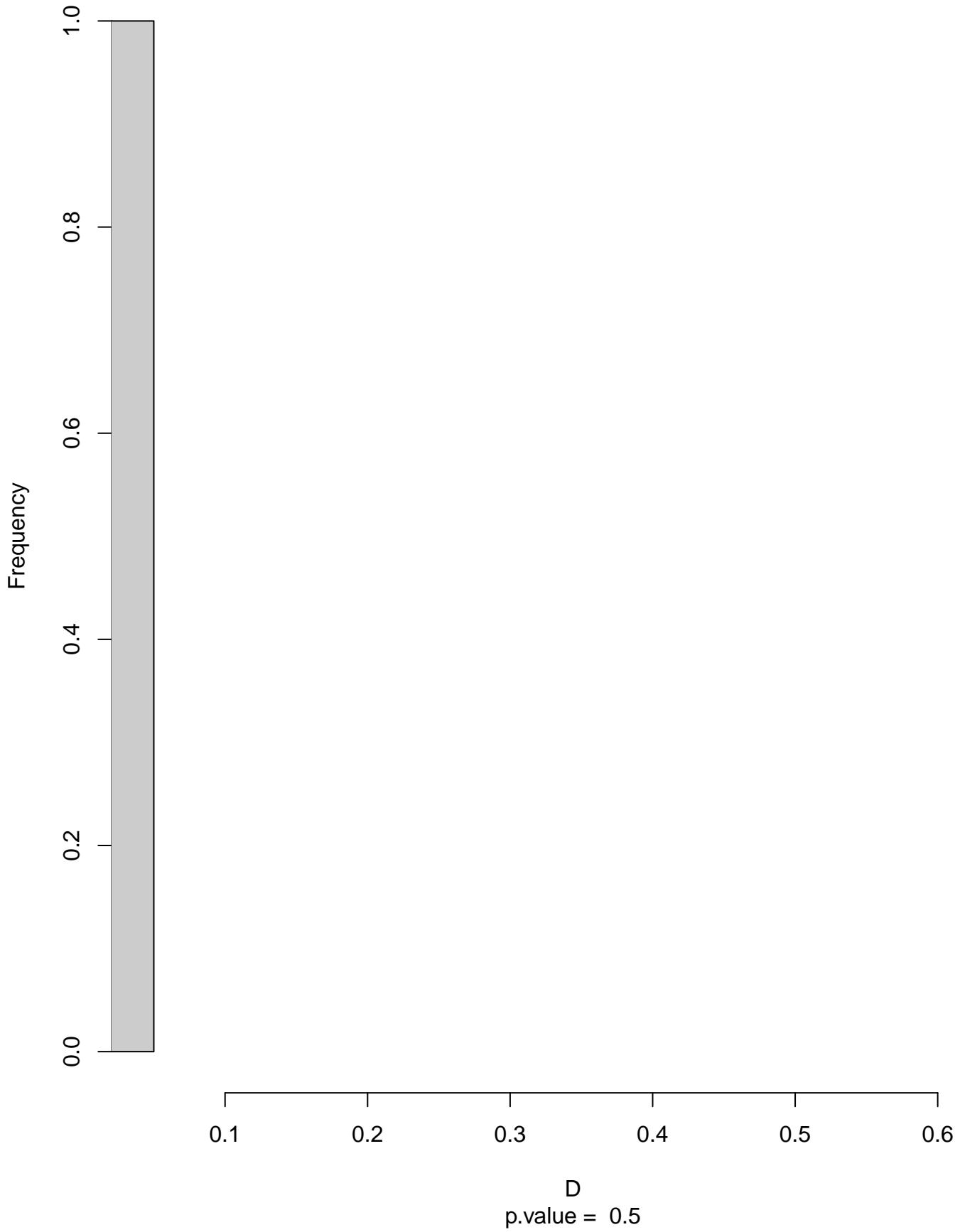
Equivalency



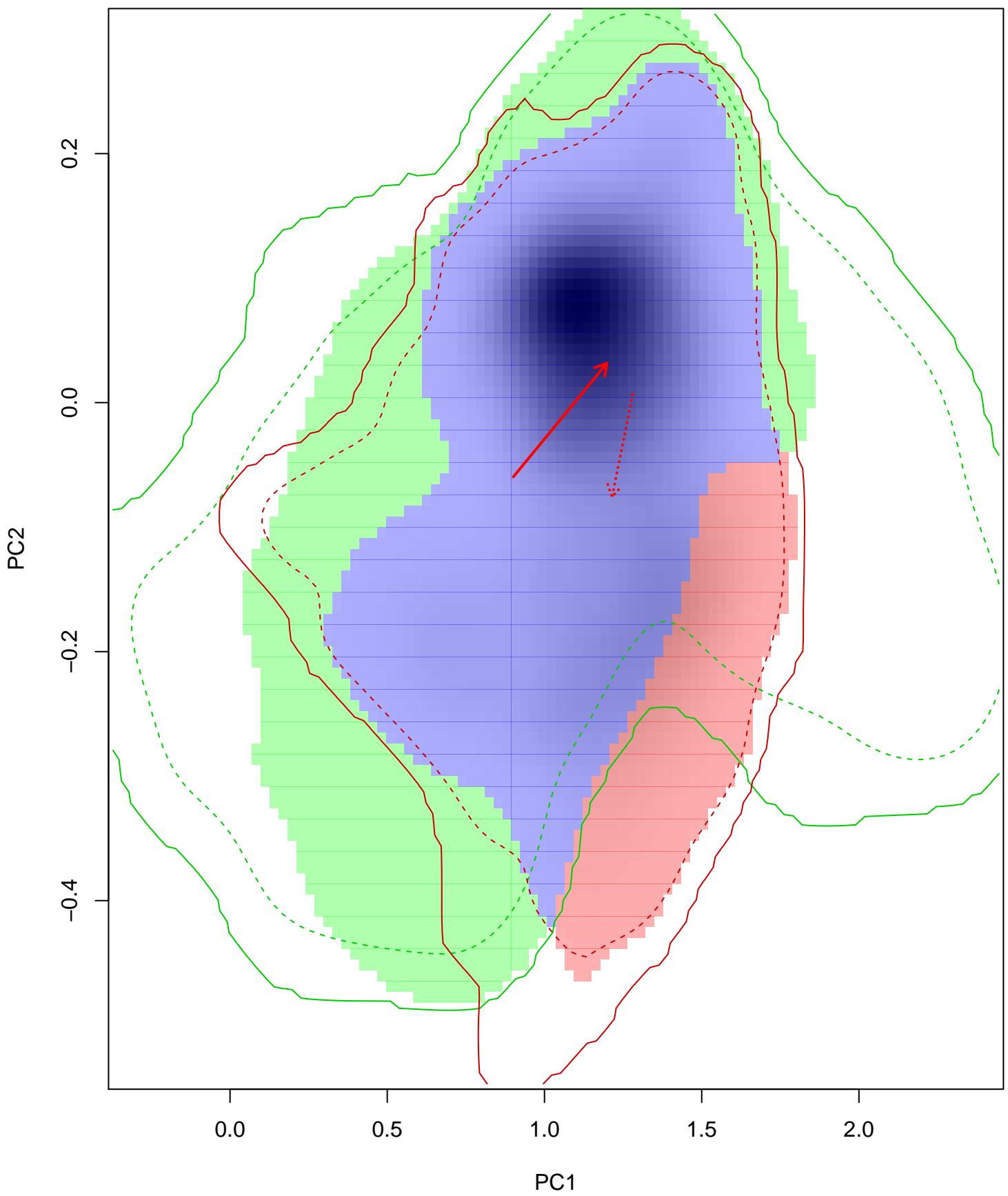
Similarity 2->1



Similarity 1→2

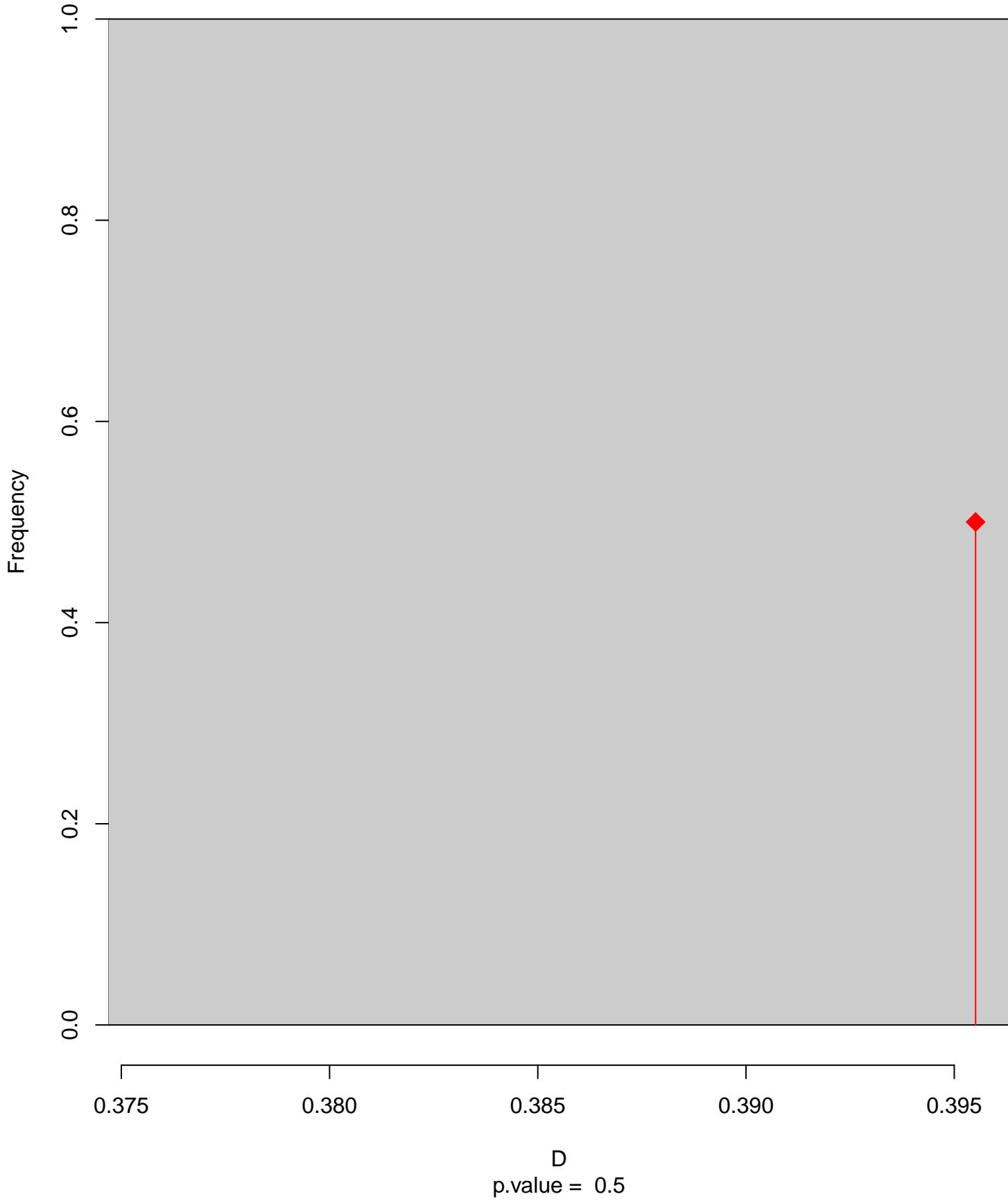


Pseudhirundo_griseopyga seasonal overlap

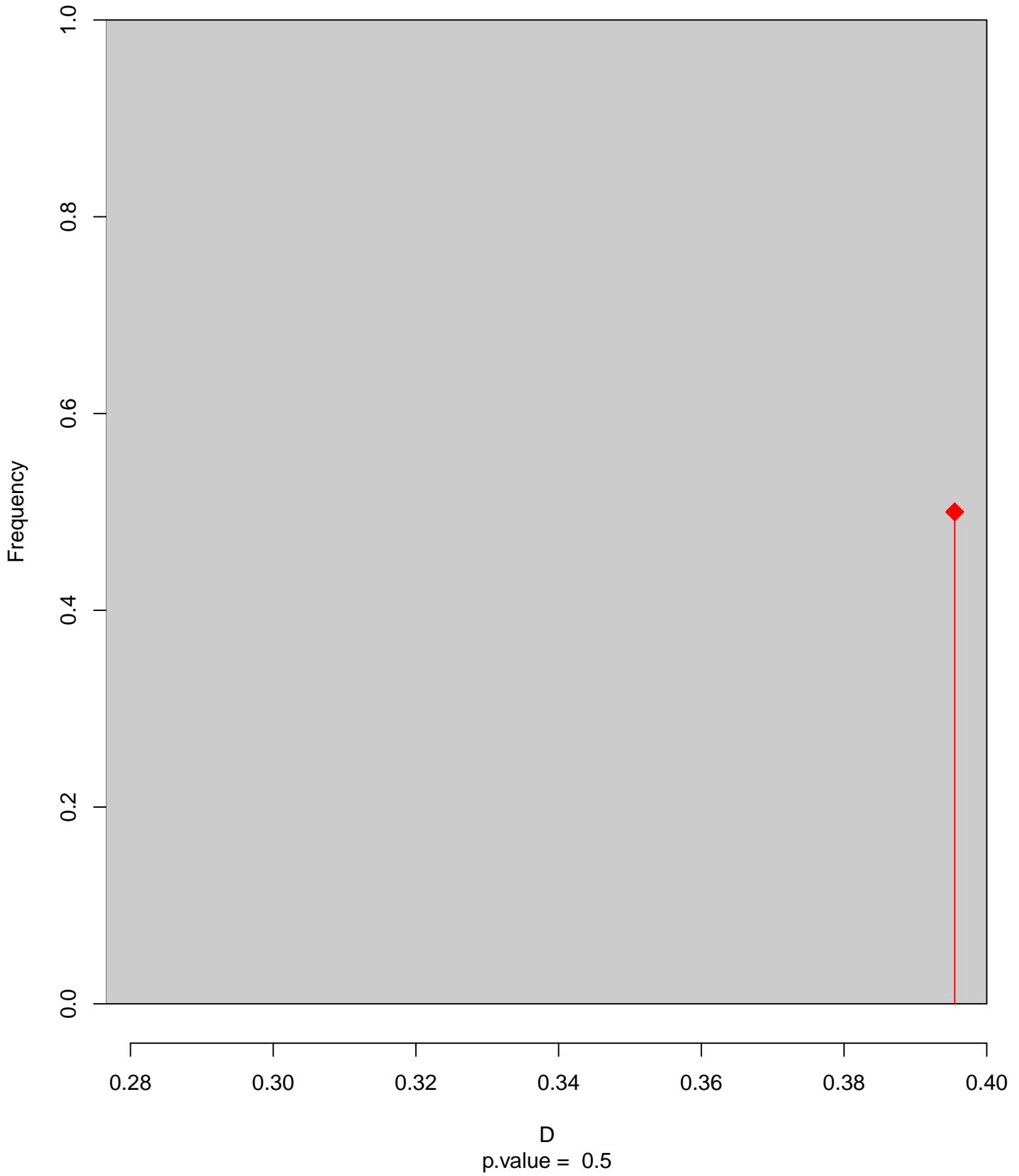


niche overlap:
 $D = 0.396$

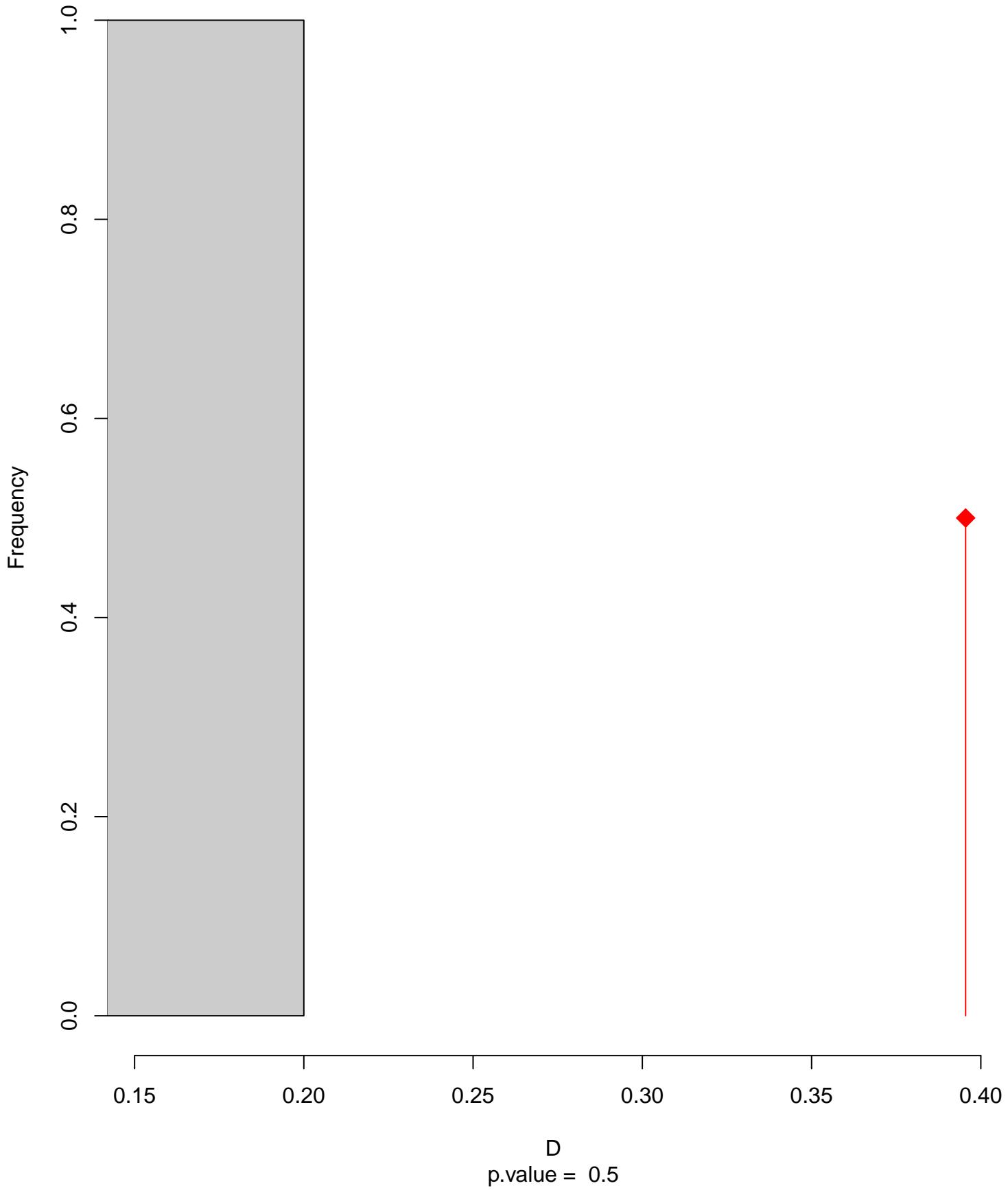
Equivalency



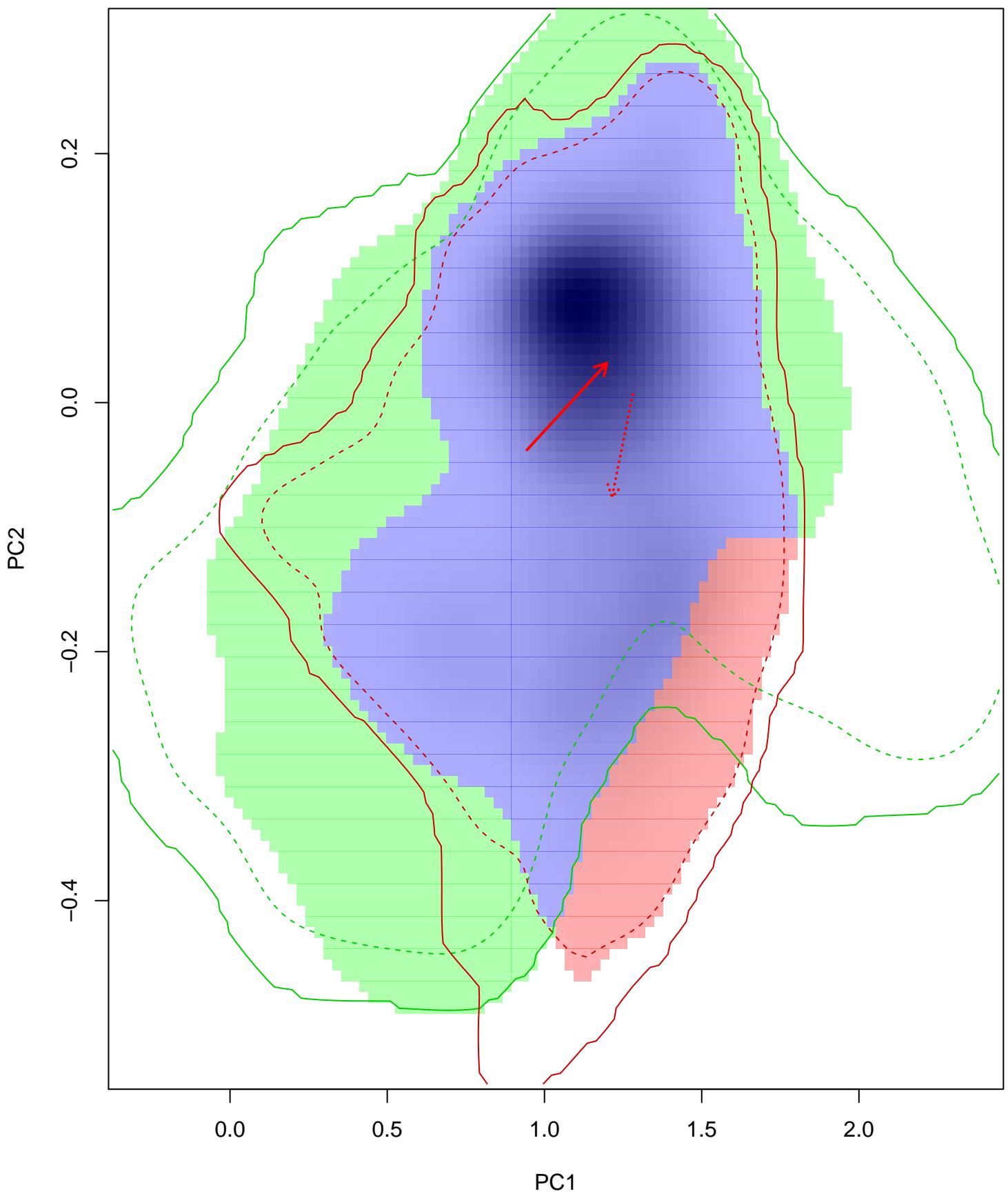
Similarity 2->1



Similarity 1→2

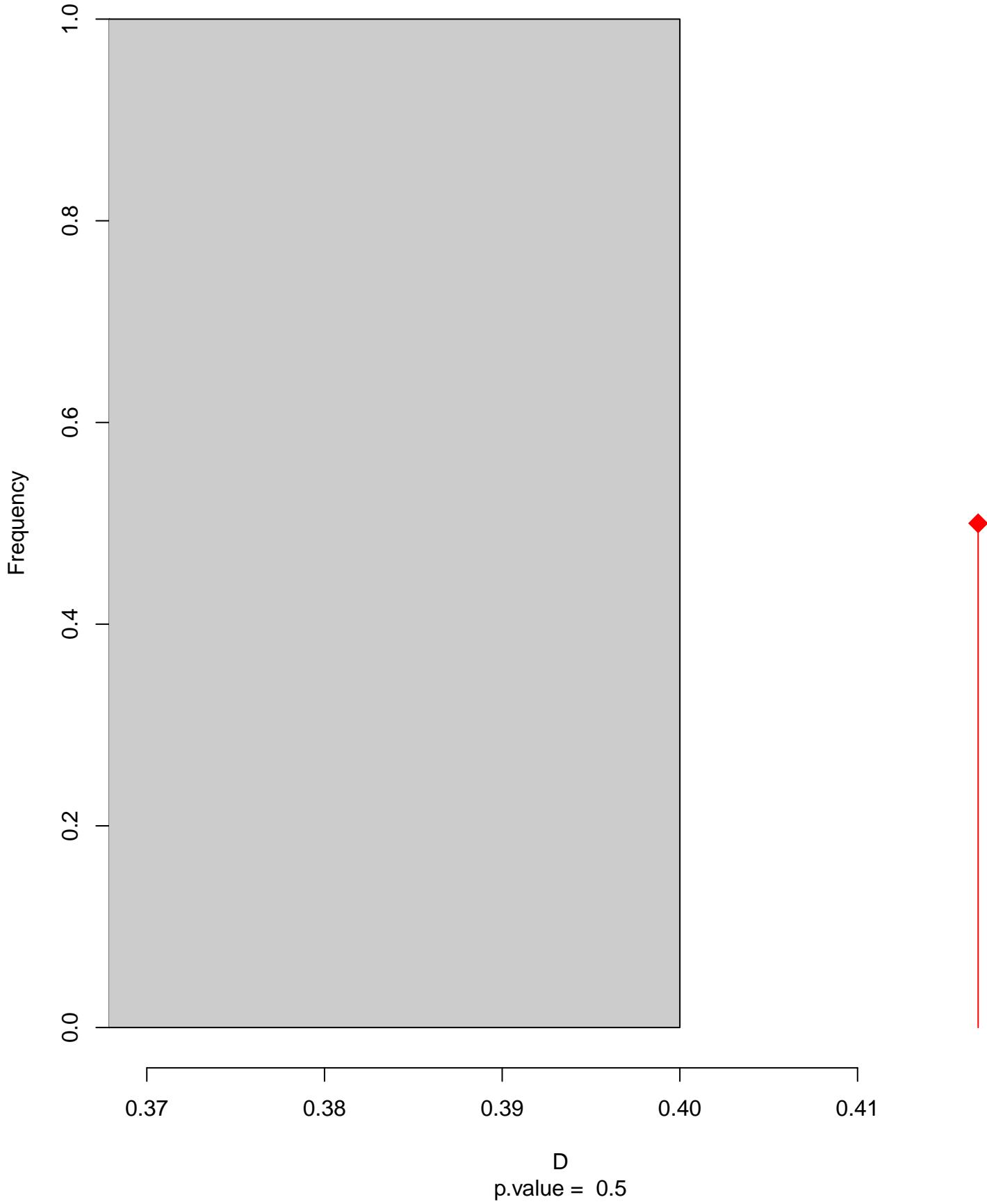


Pseudhirundo griseopyga seasonal overlap-hypo.br

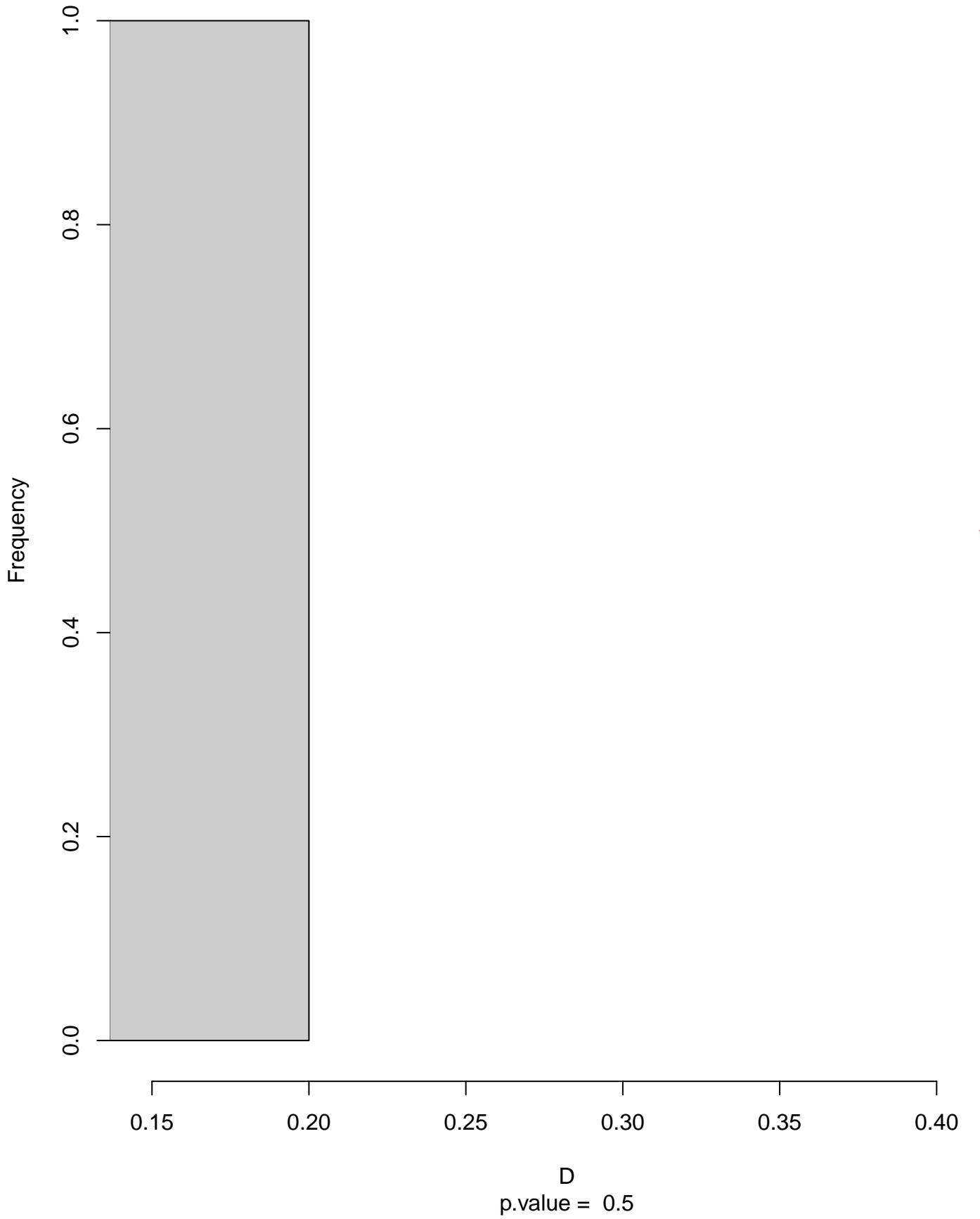


niche overlap:
 $D = 0.417$

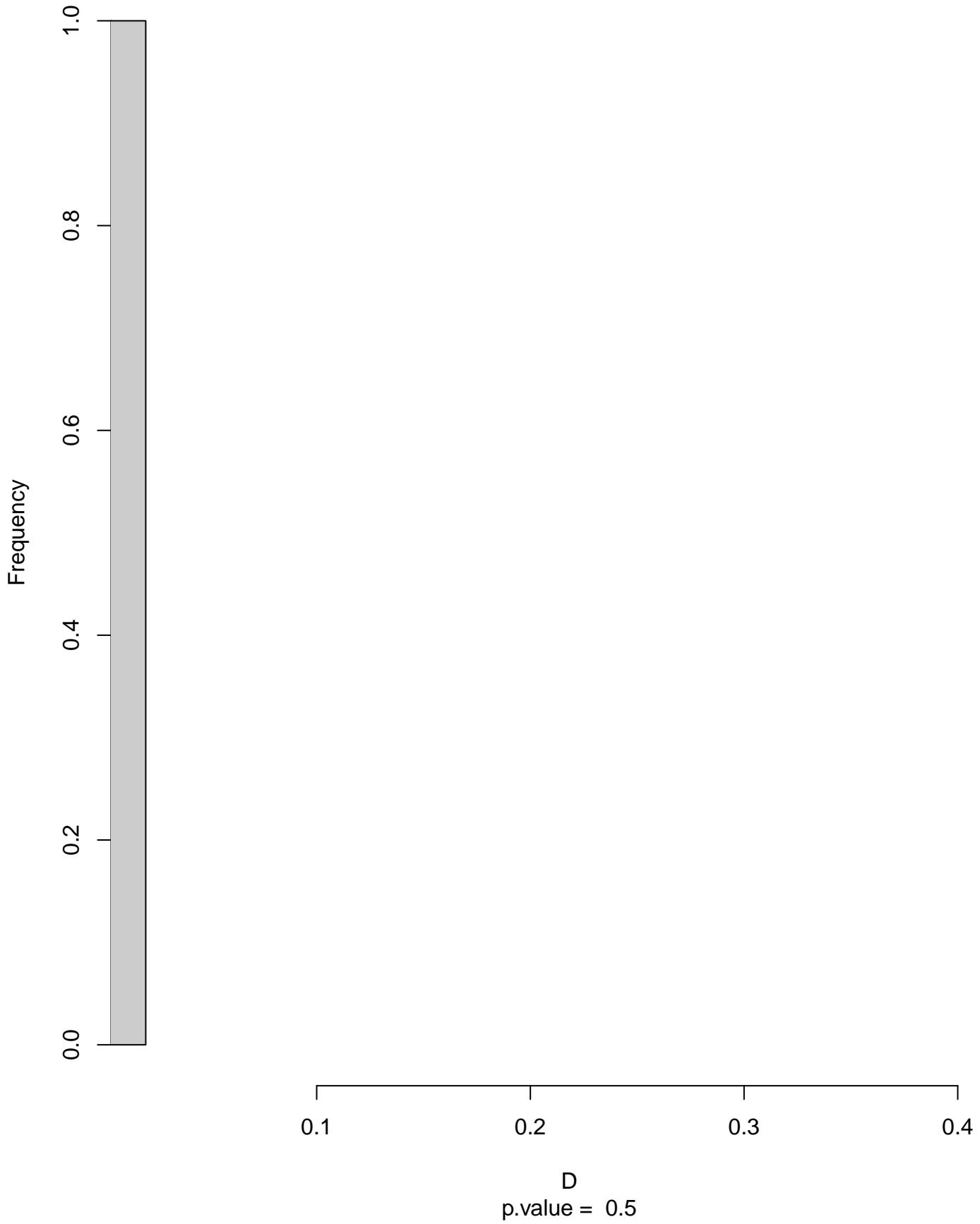
Equivalency



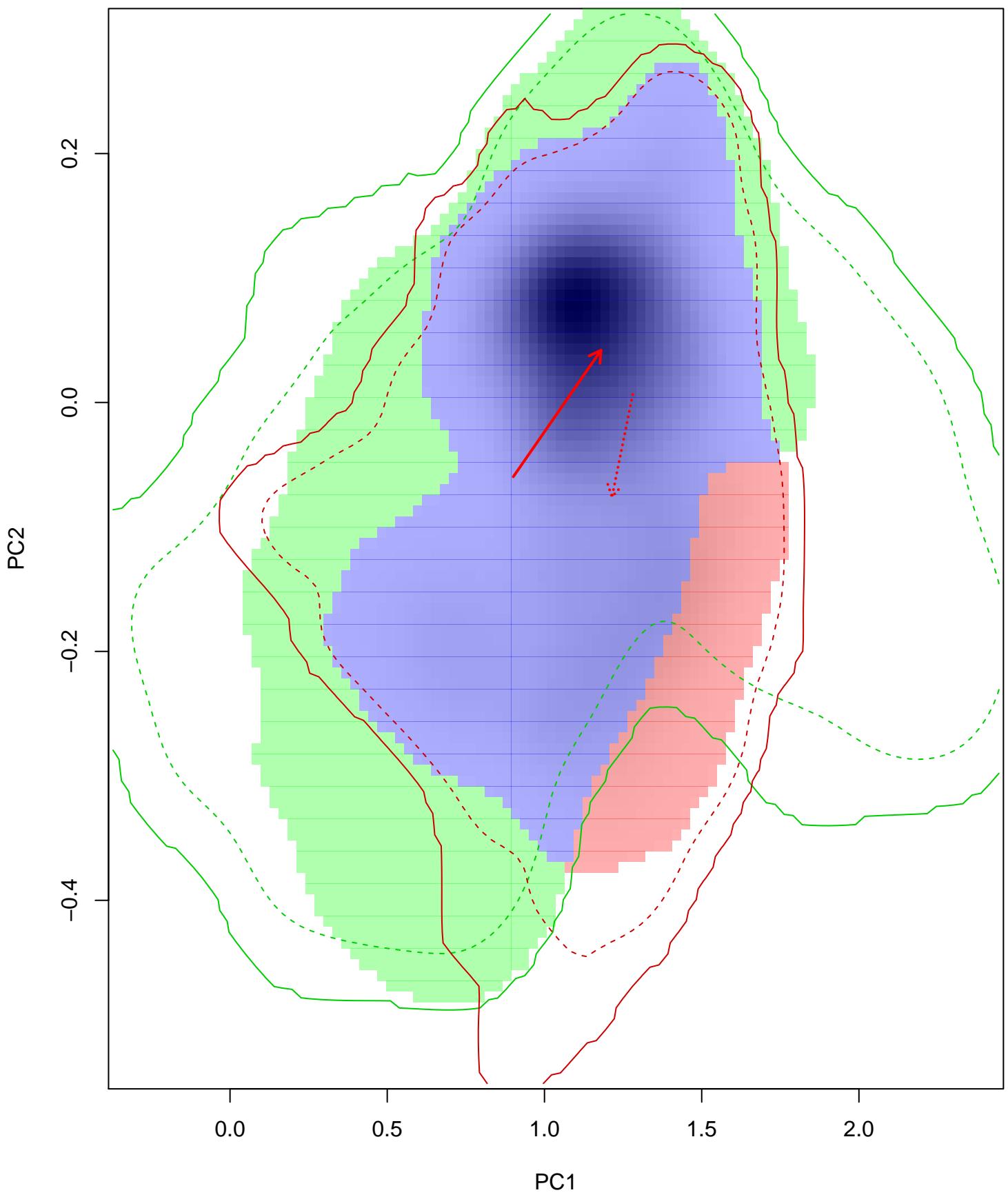
Similarity 2->1



Similarity 1→2

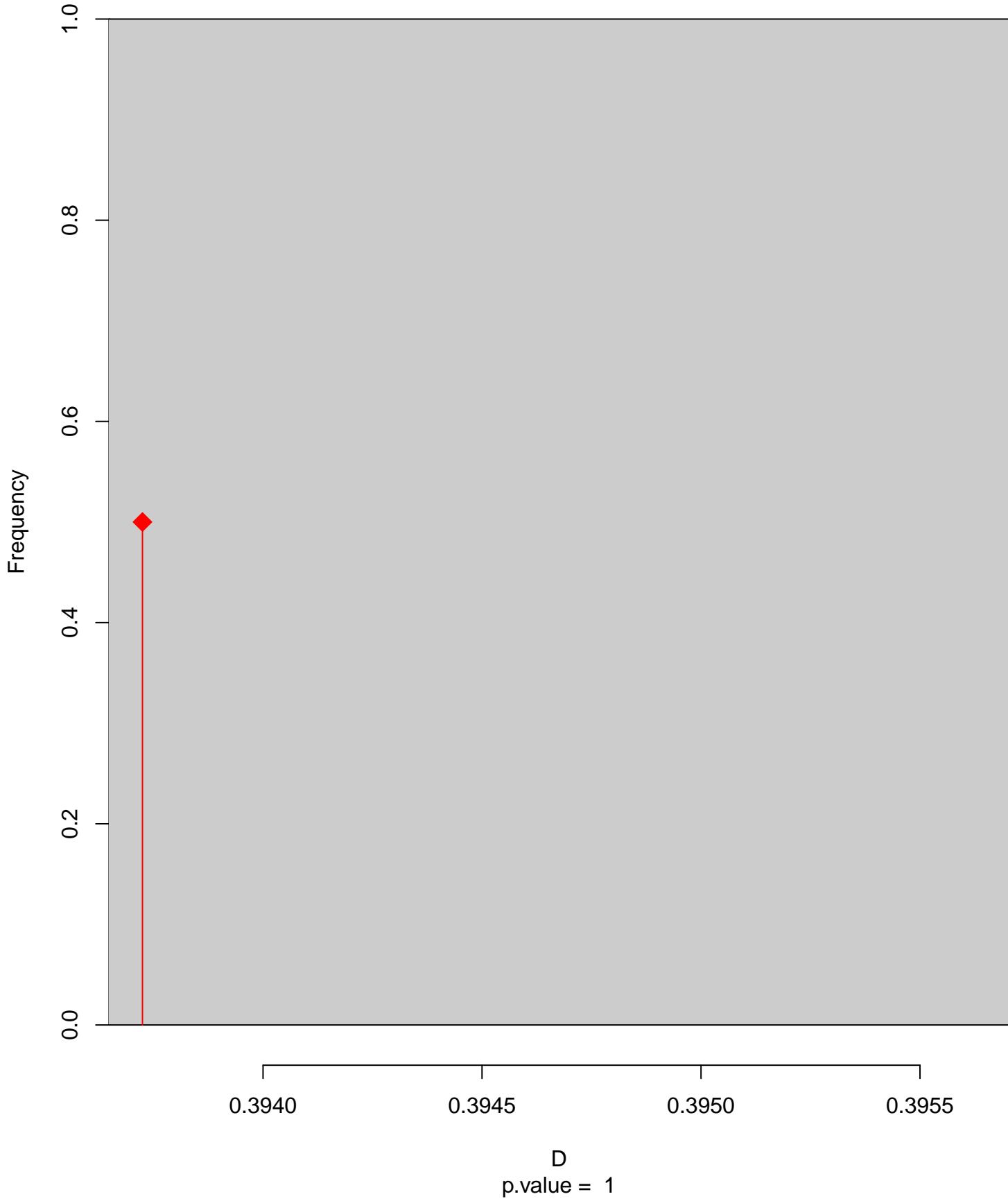


Pseudhirundo_griseopyga seasonal overlap-hypo wi

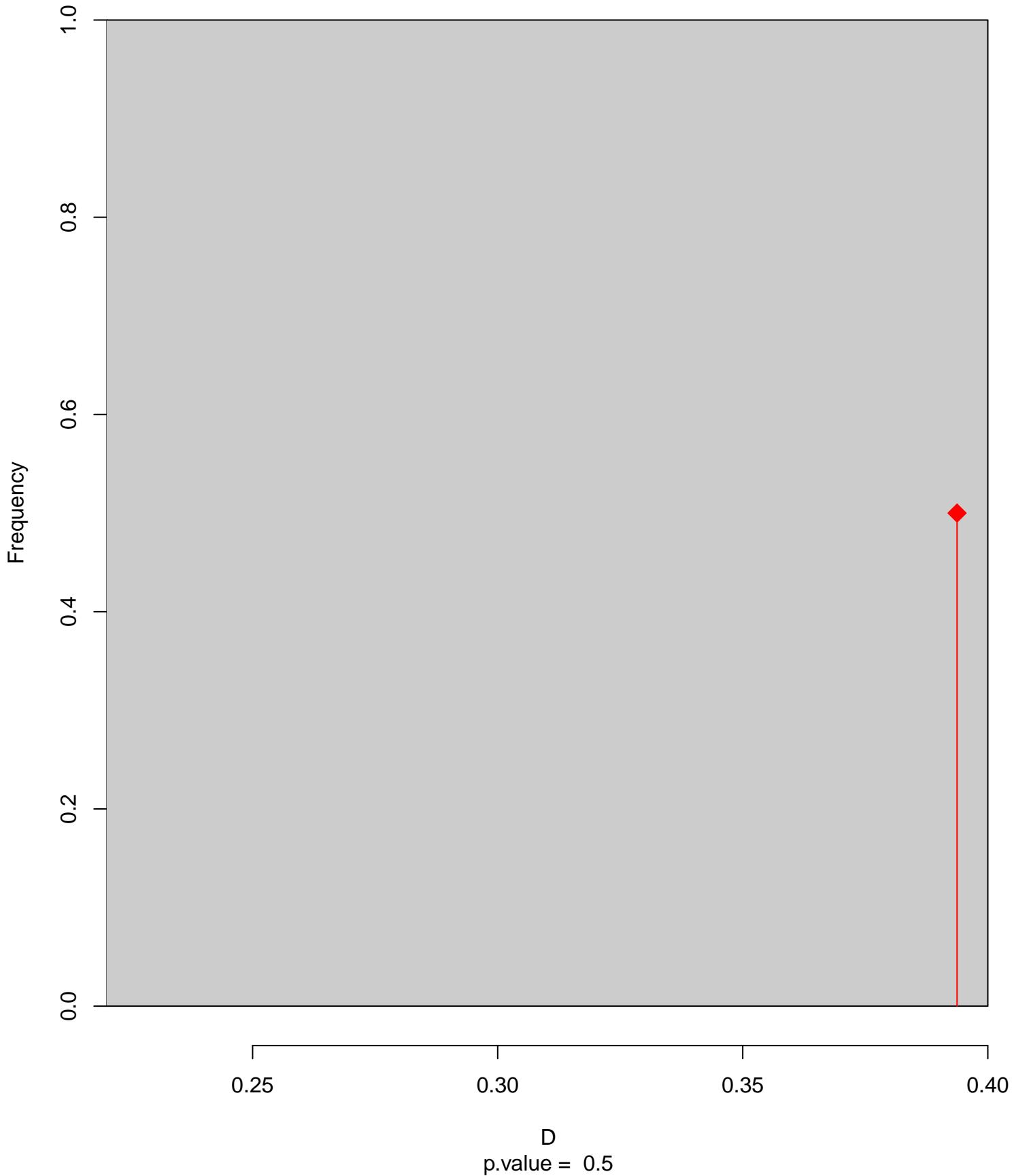


niche overlap:
 $D = 0.394$

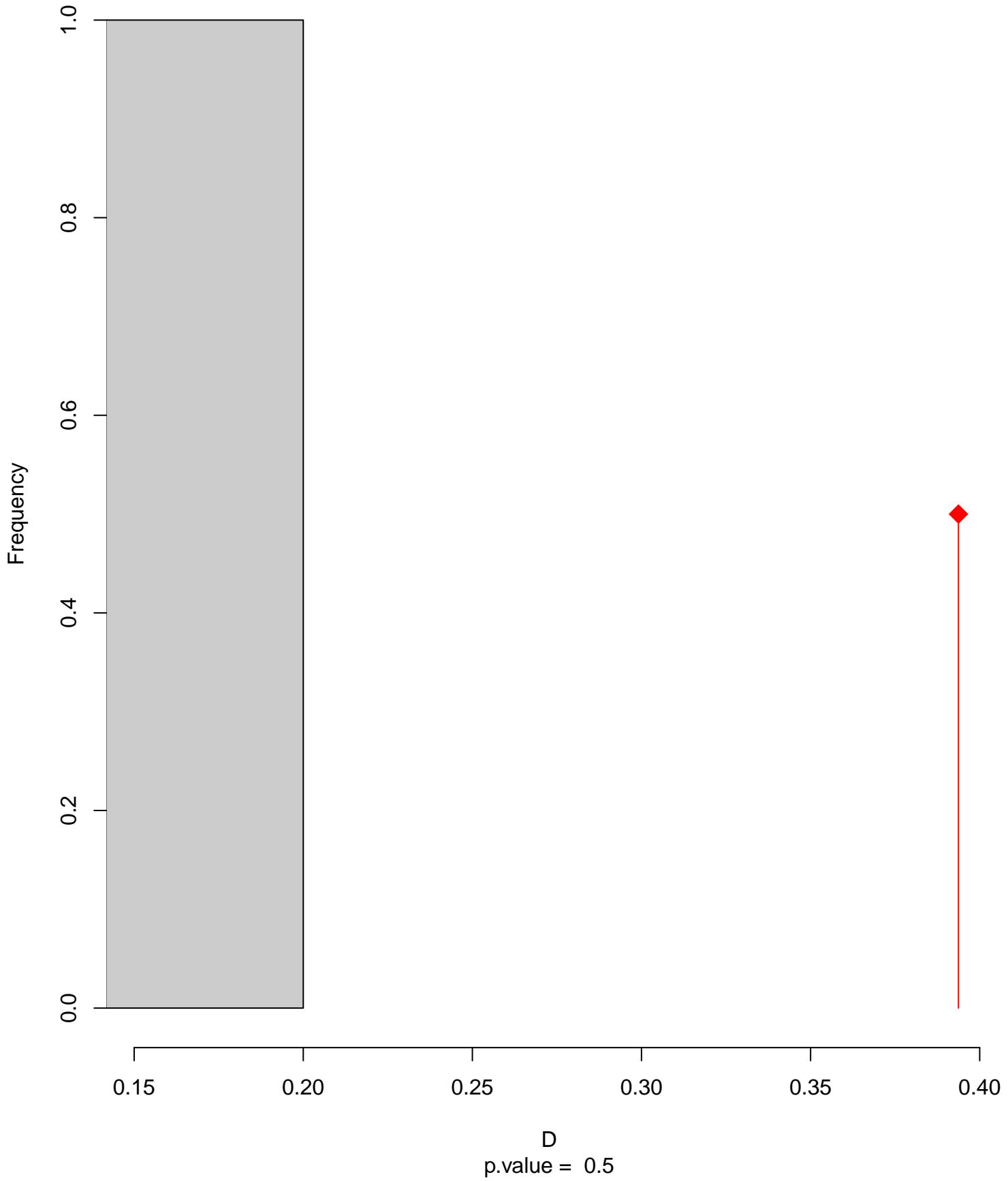
Equivalency



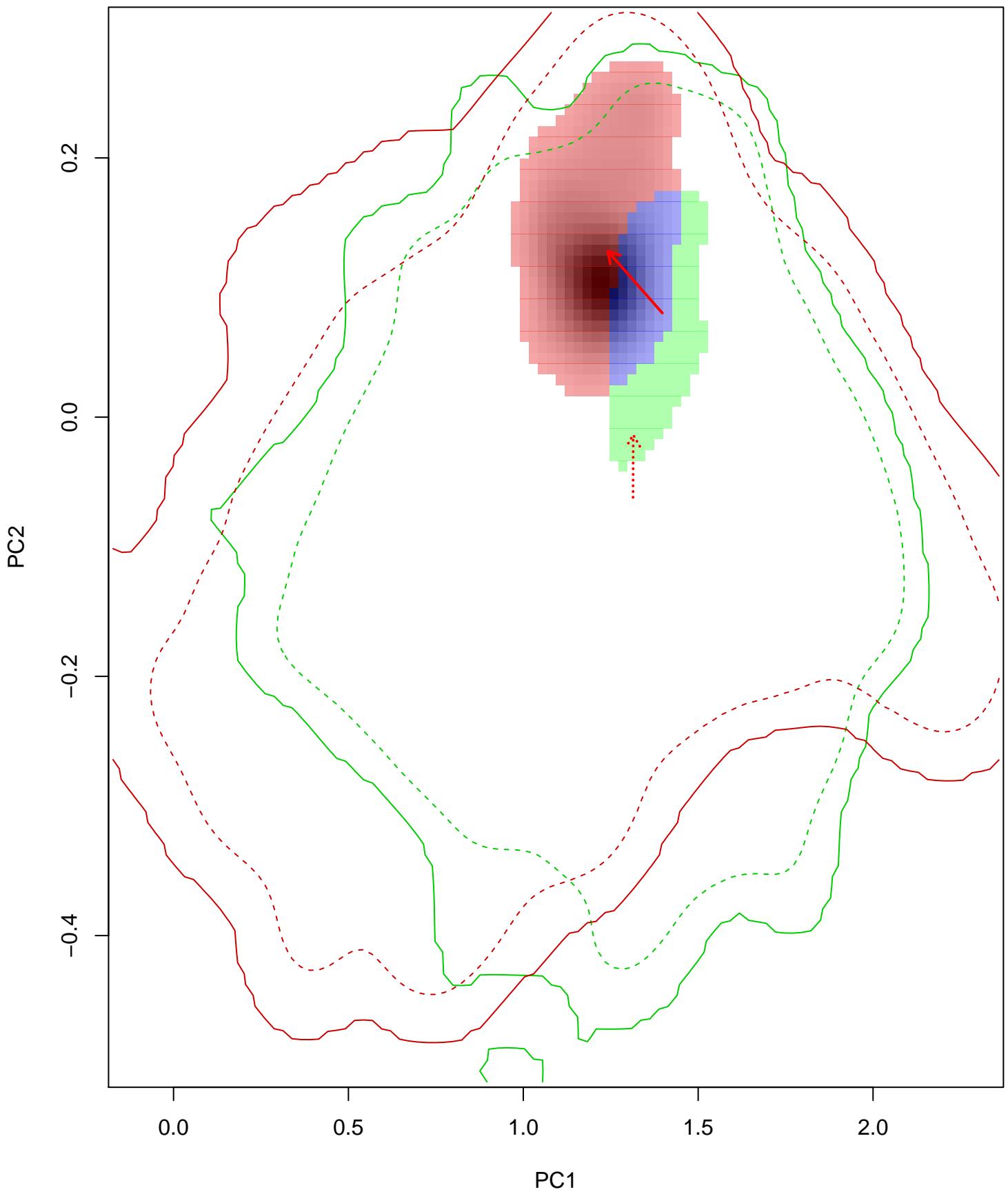
Similarity 2->1



Similarity 1→2

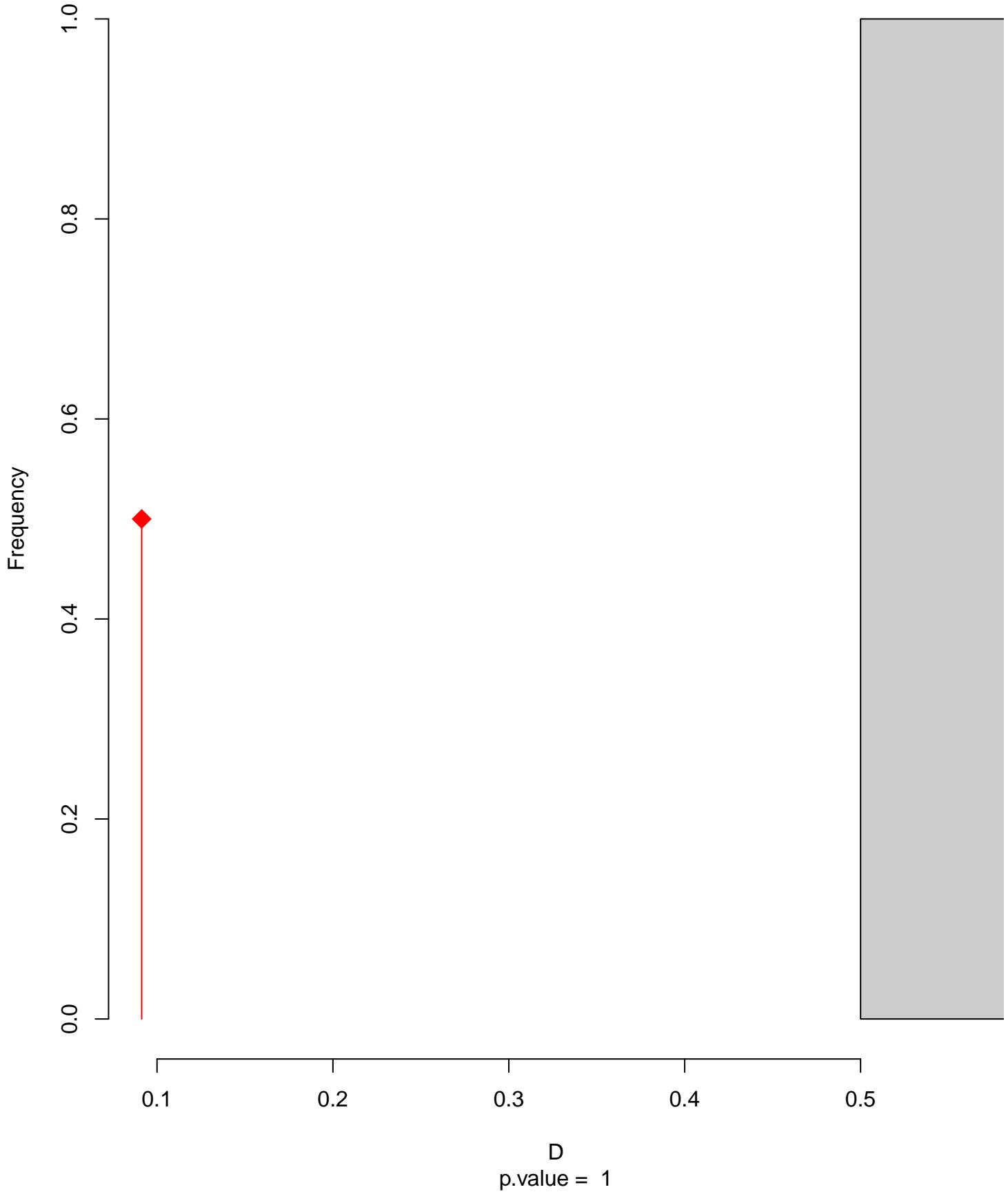


Pseudochelidon_eurystomina seasonal overlap

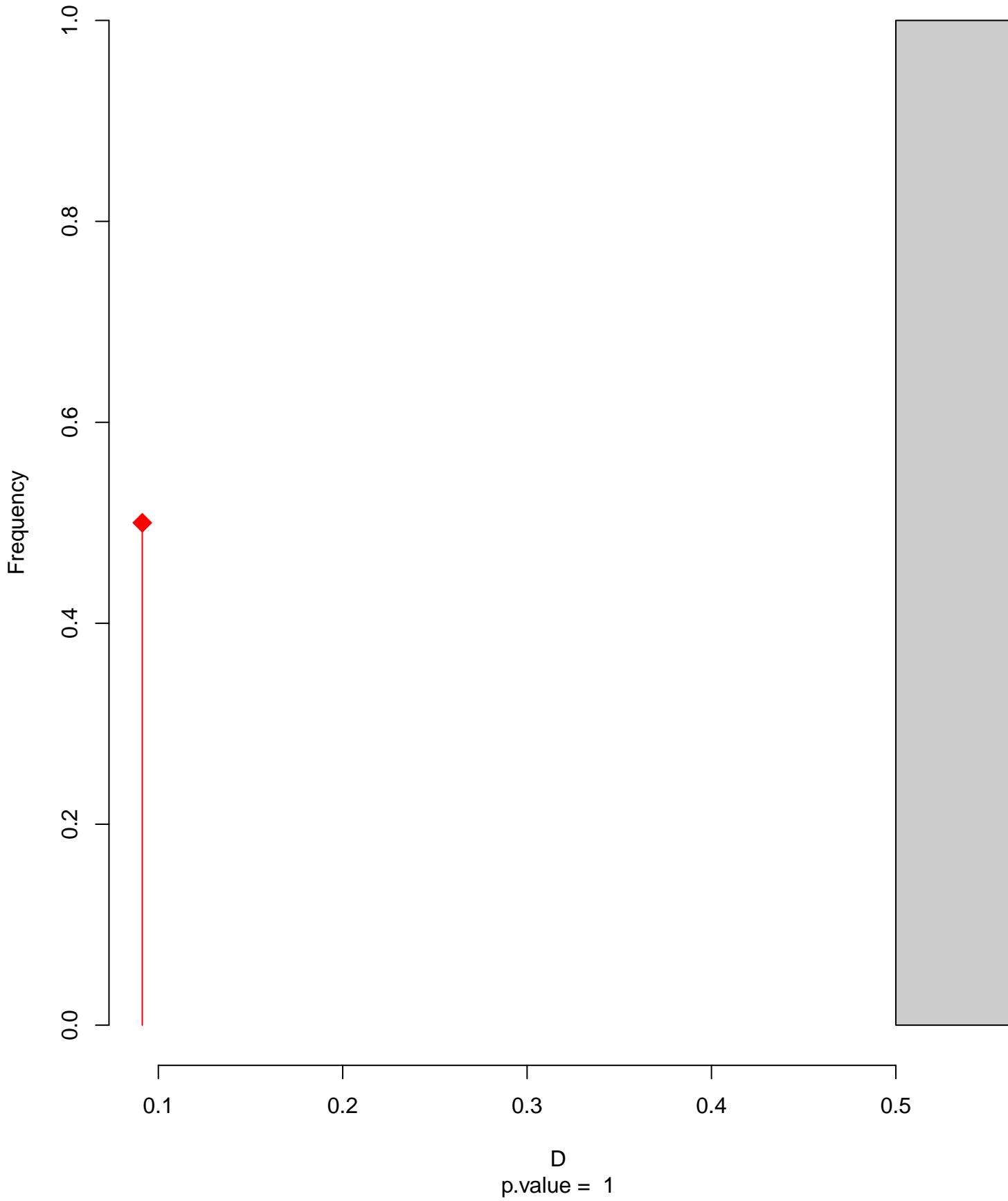


niche overlap:
 $D = 0.091$

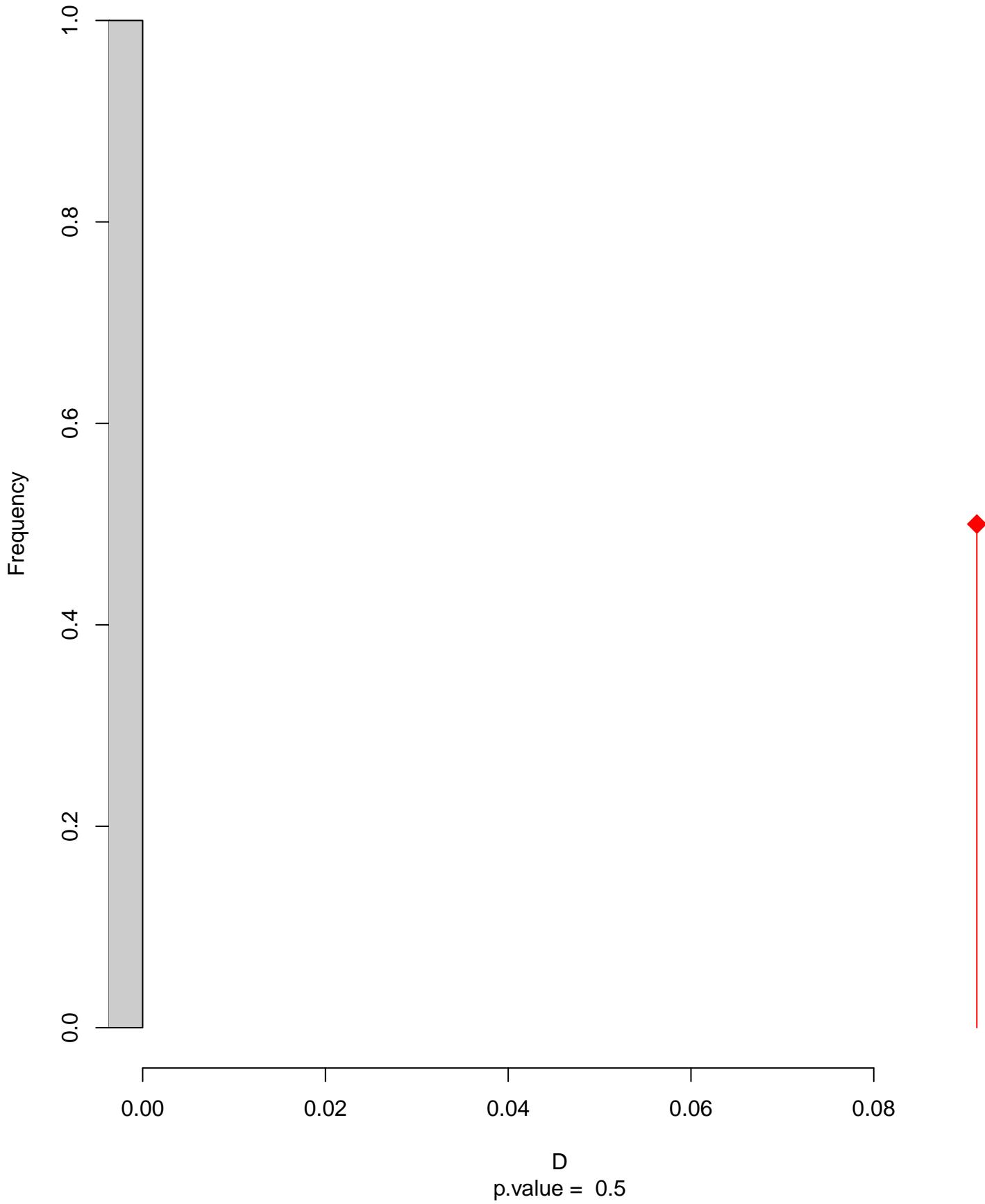
Equivalency



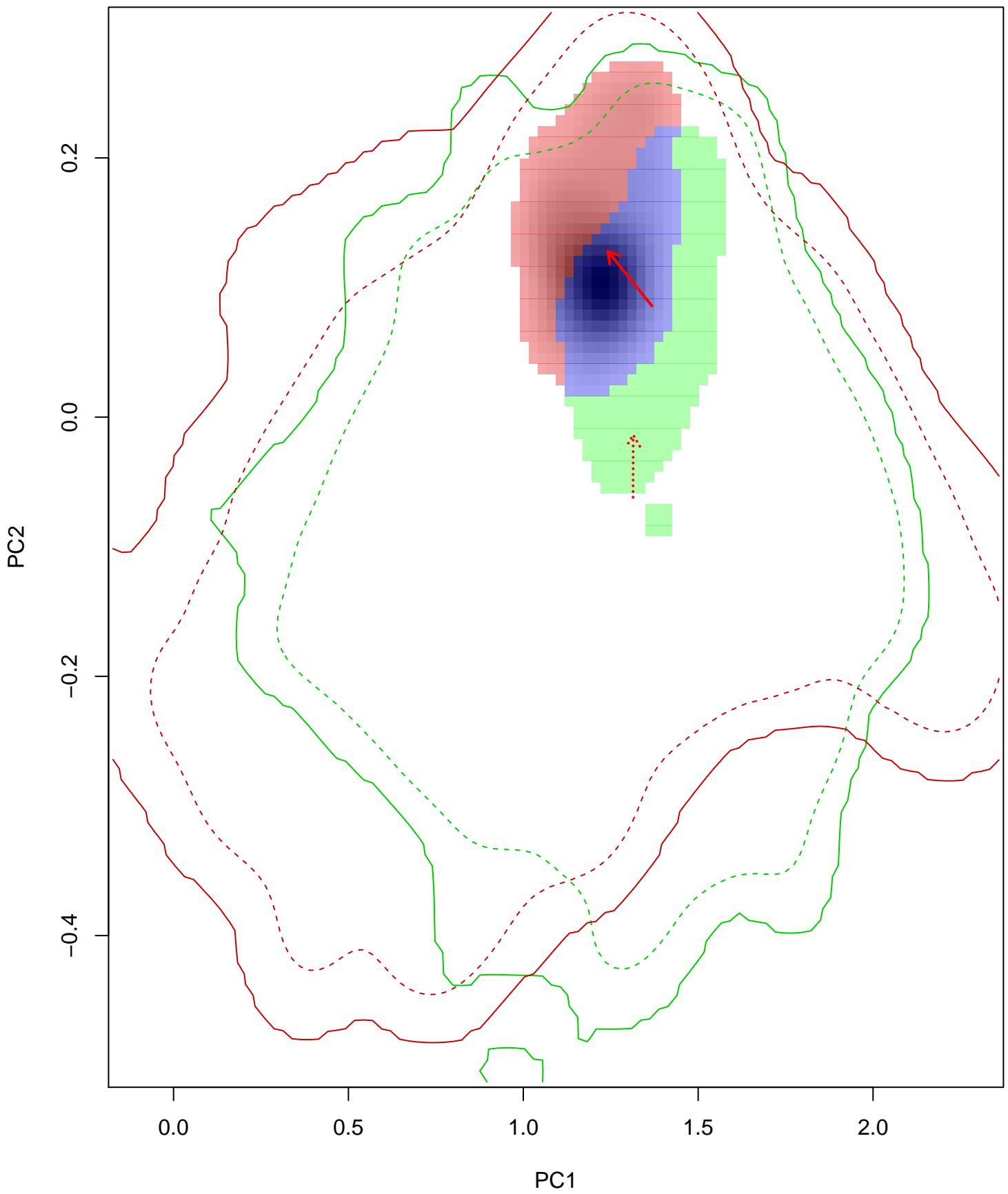
Similarity 2->1



Similarity 1→2

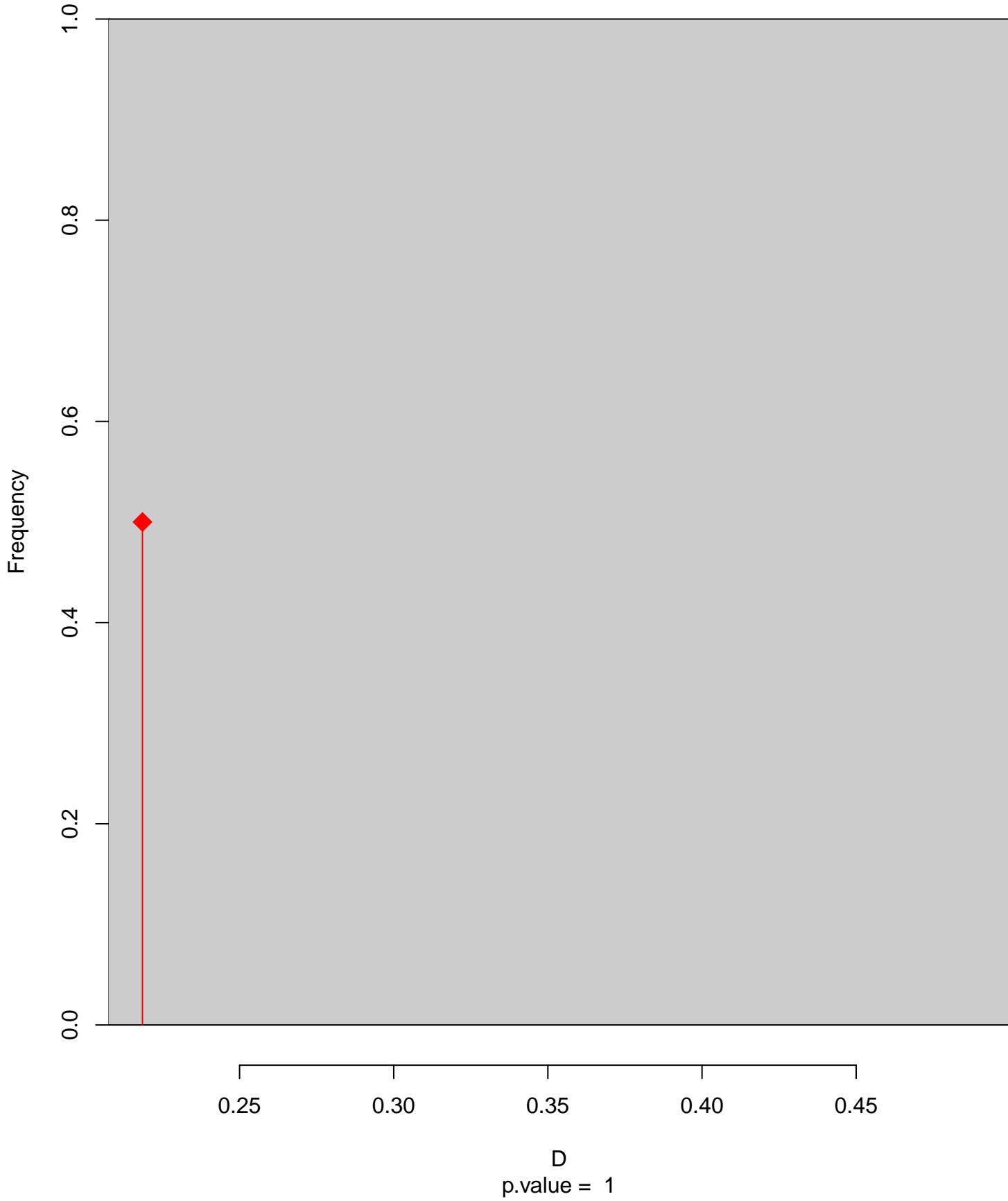


Pseudochelidon_eurystomina seasonal overlap-hypo.br

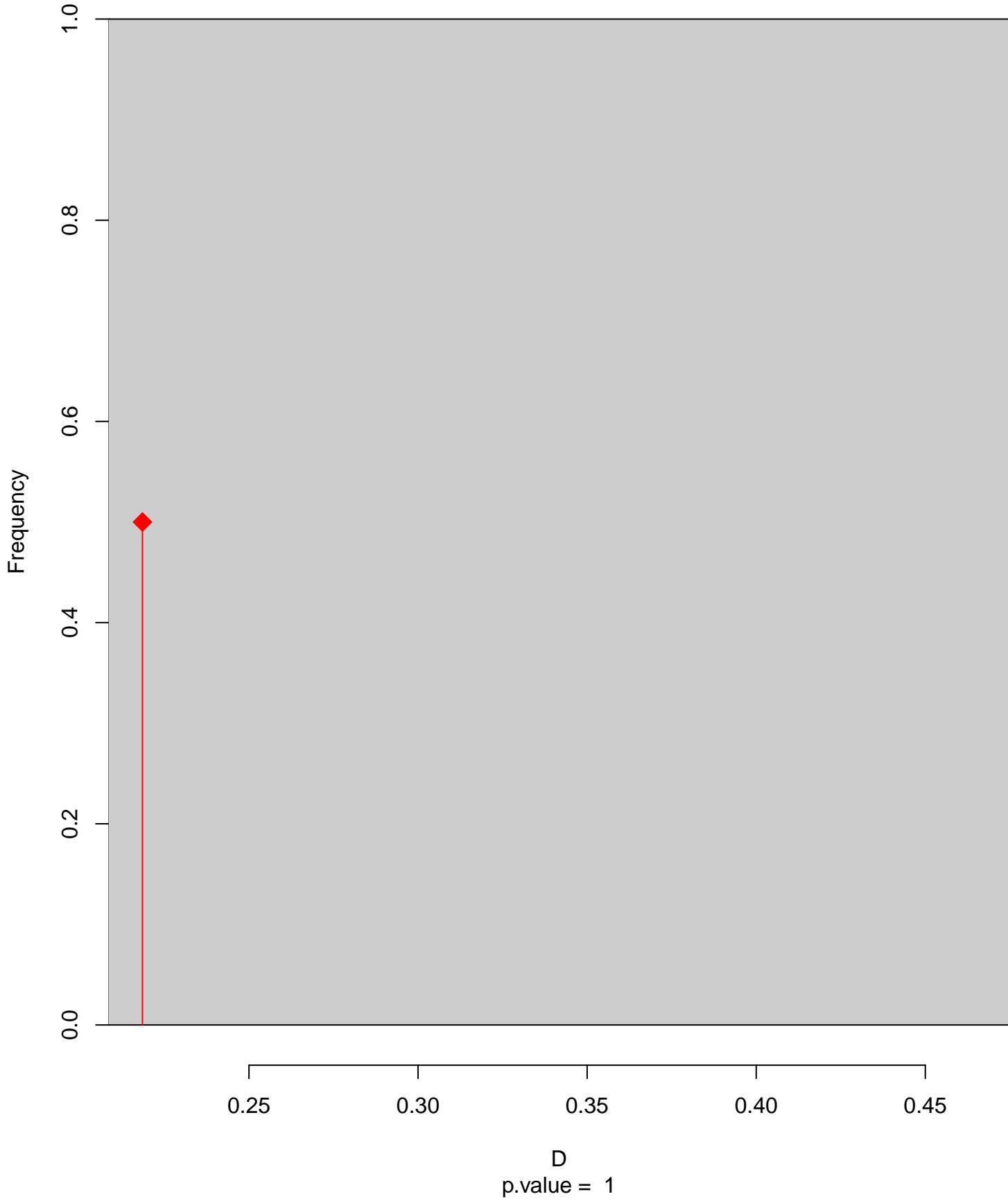


niche overlap:
 $D = 0.219$

Equivalency

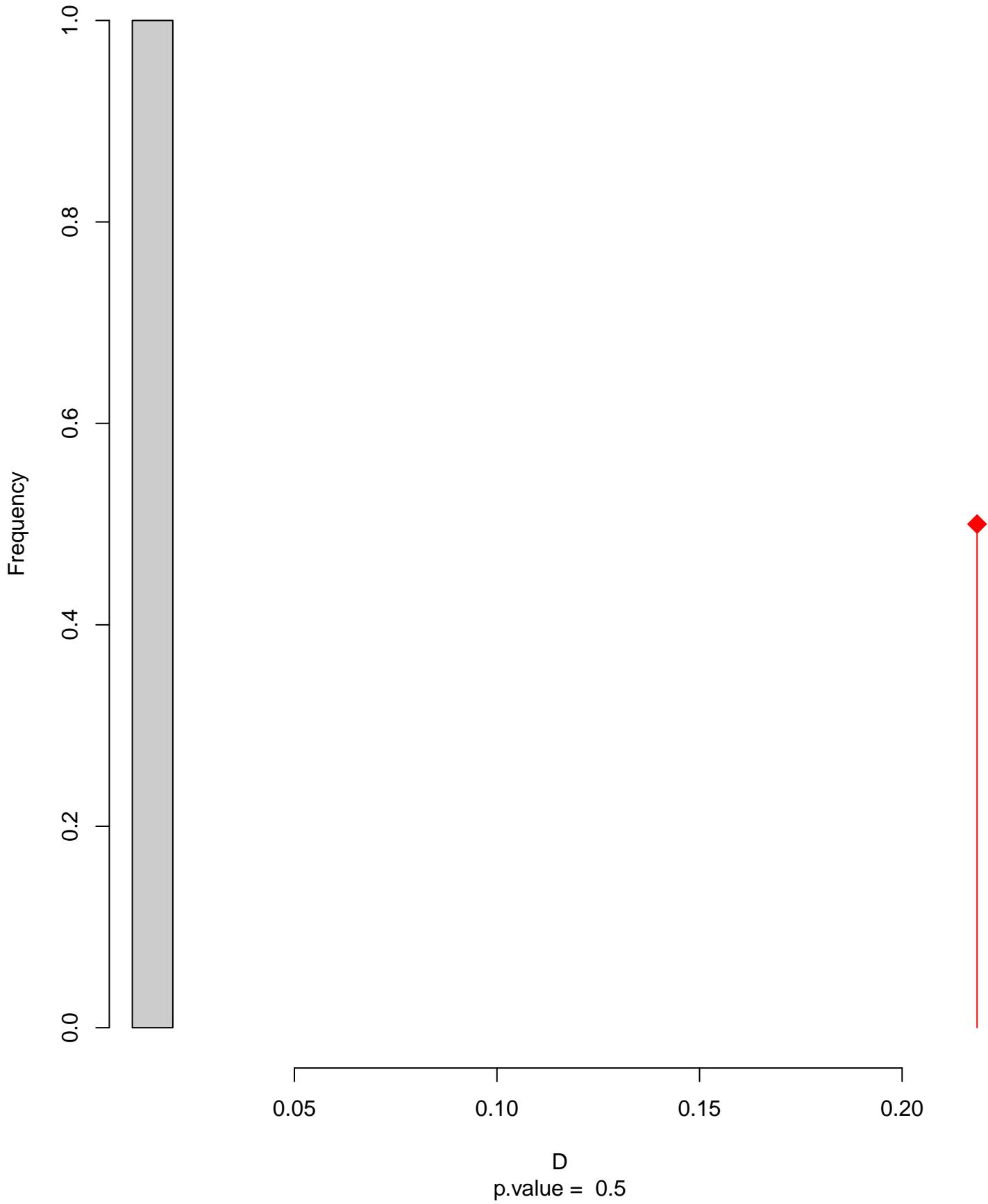


Similarity 2->1

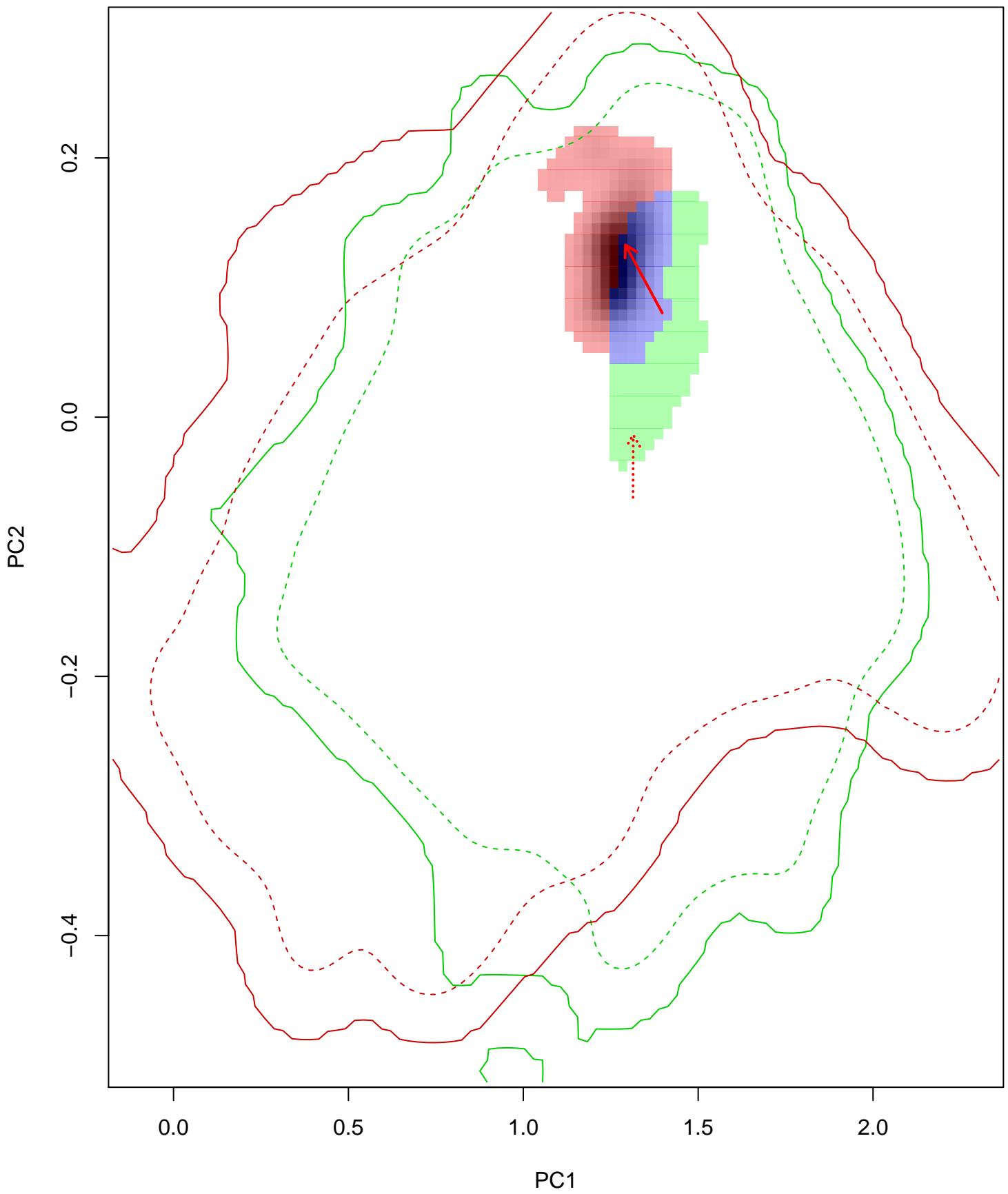


D
p.value = 1

Similarity 1→2

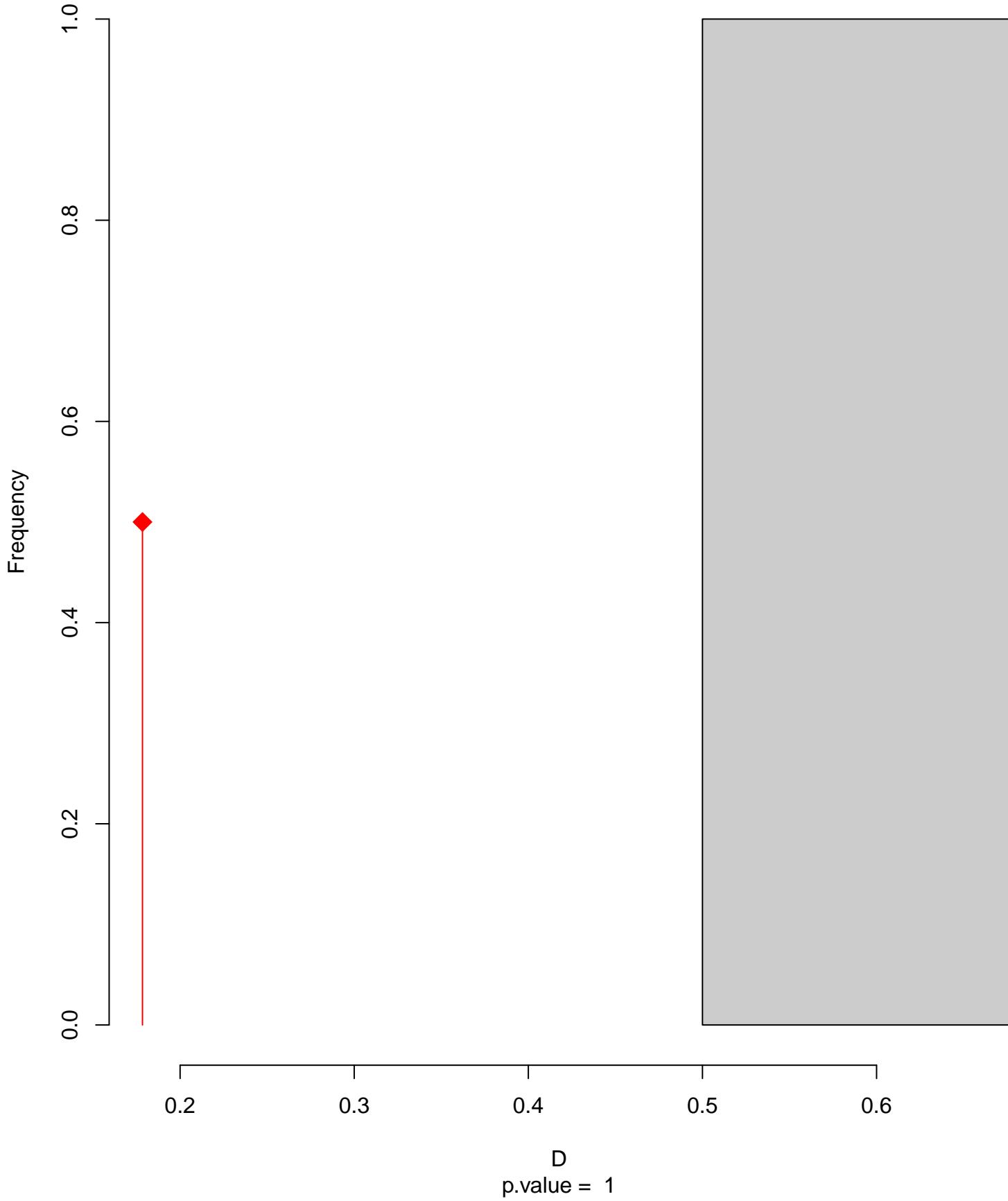


Pseudochelidon_eurystomina seasonal overlap-hypo wi

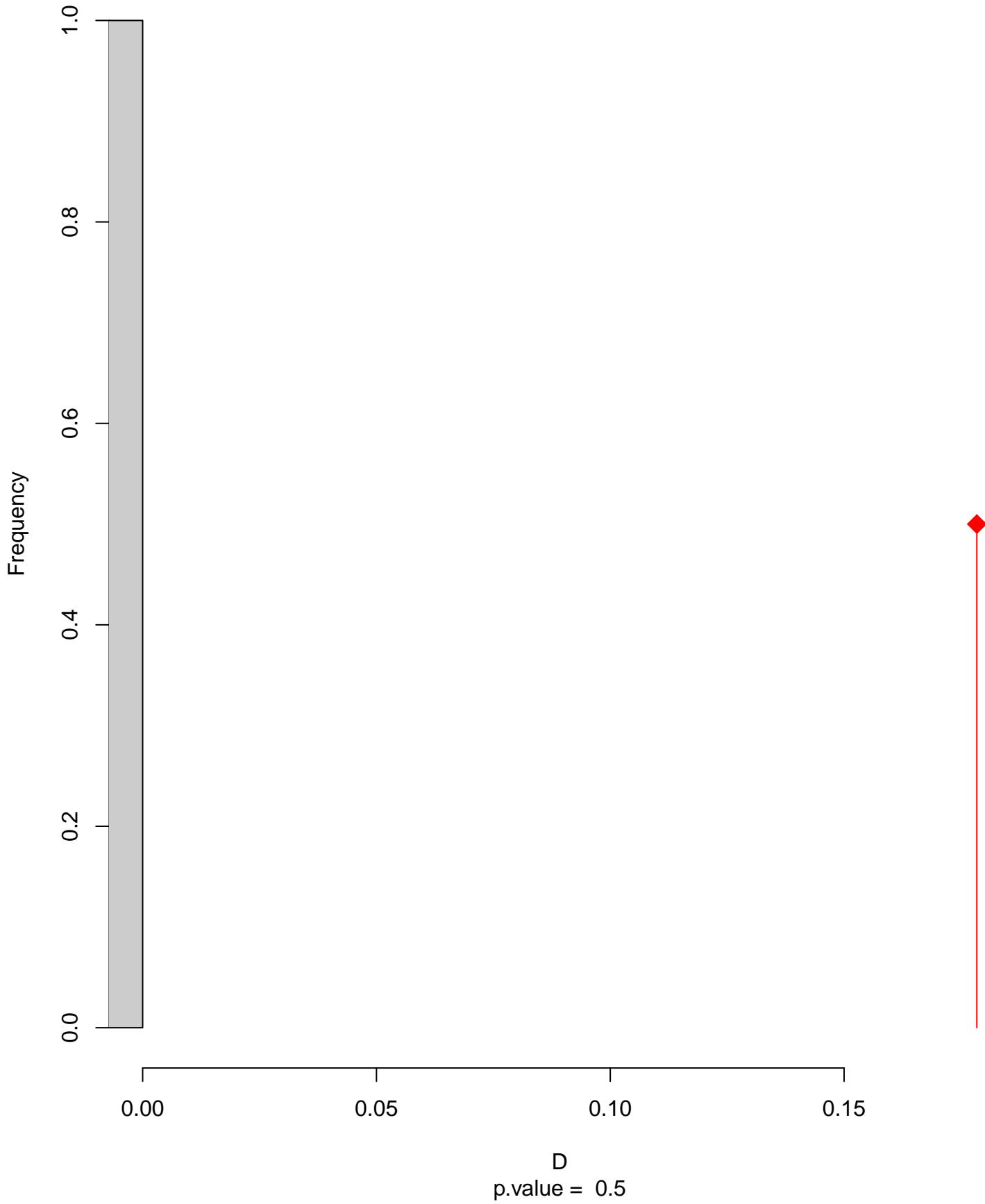


niche overlap:
 $D = 0.178$

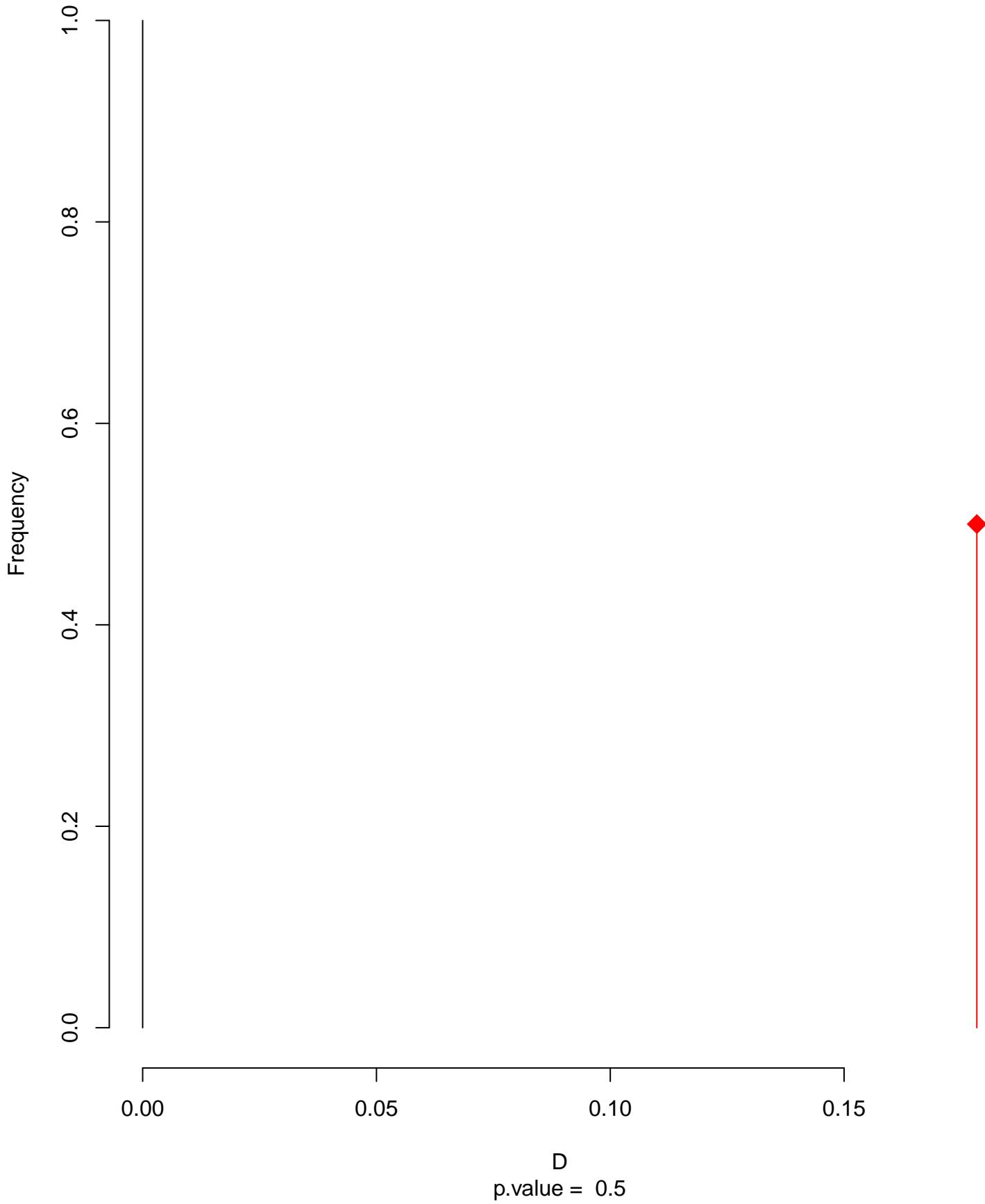
Equivalency



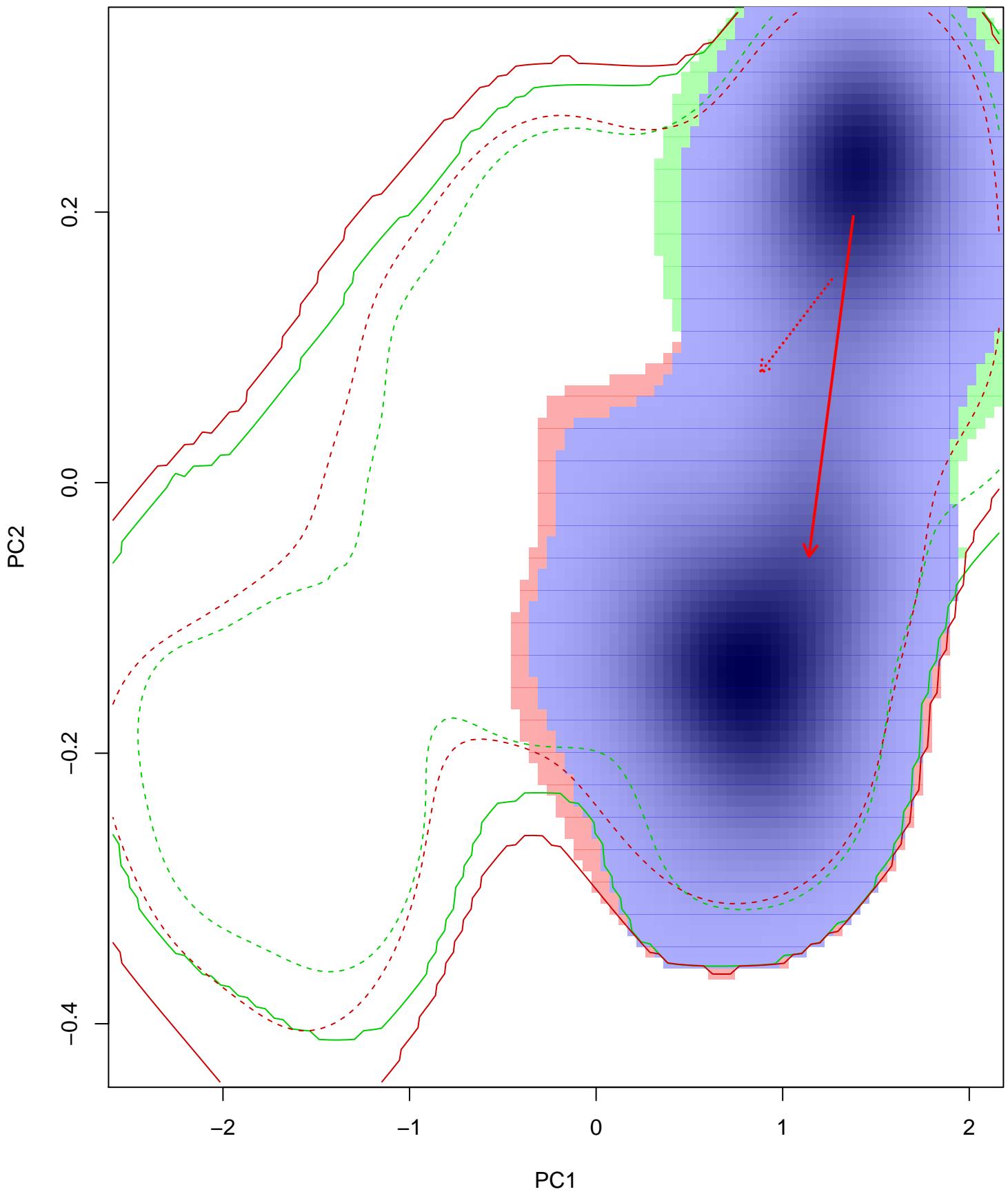
Similarity 2->1



Similarity 1→2

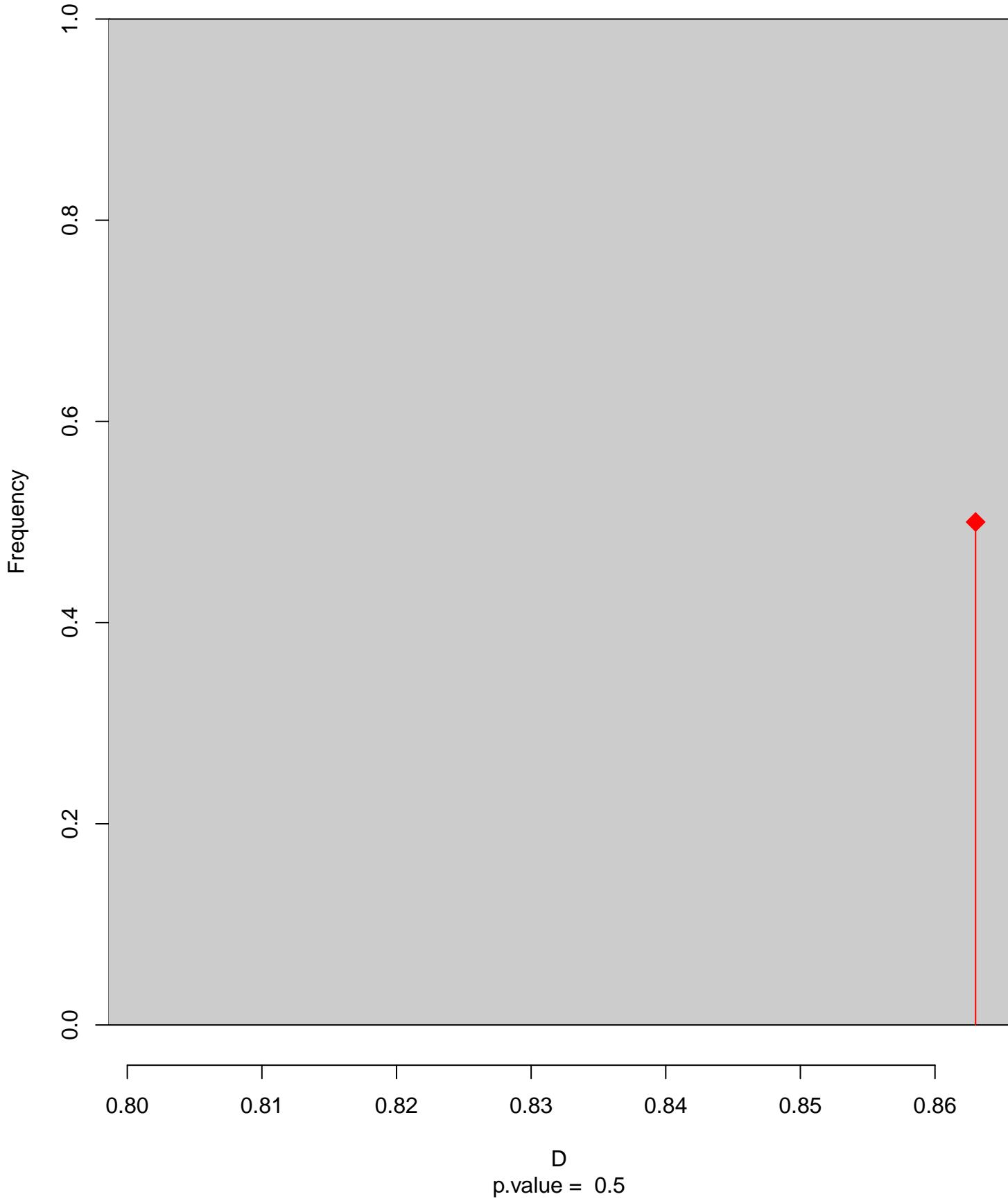


Ptyonoprogne_concolor seasonal overlap

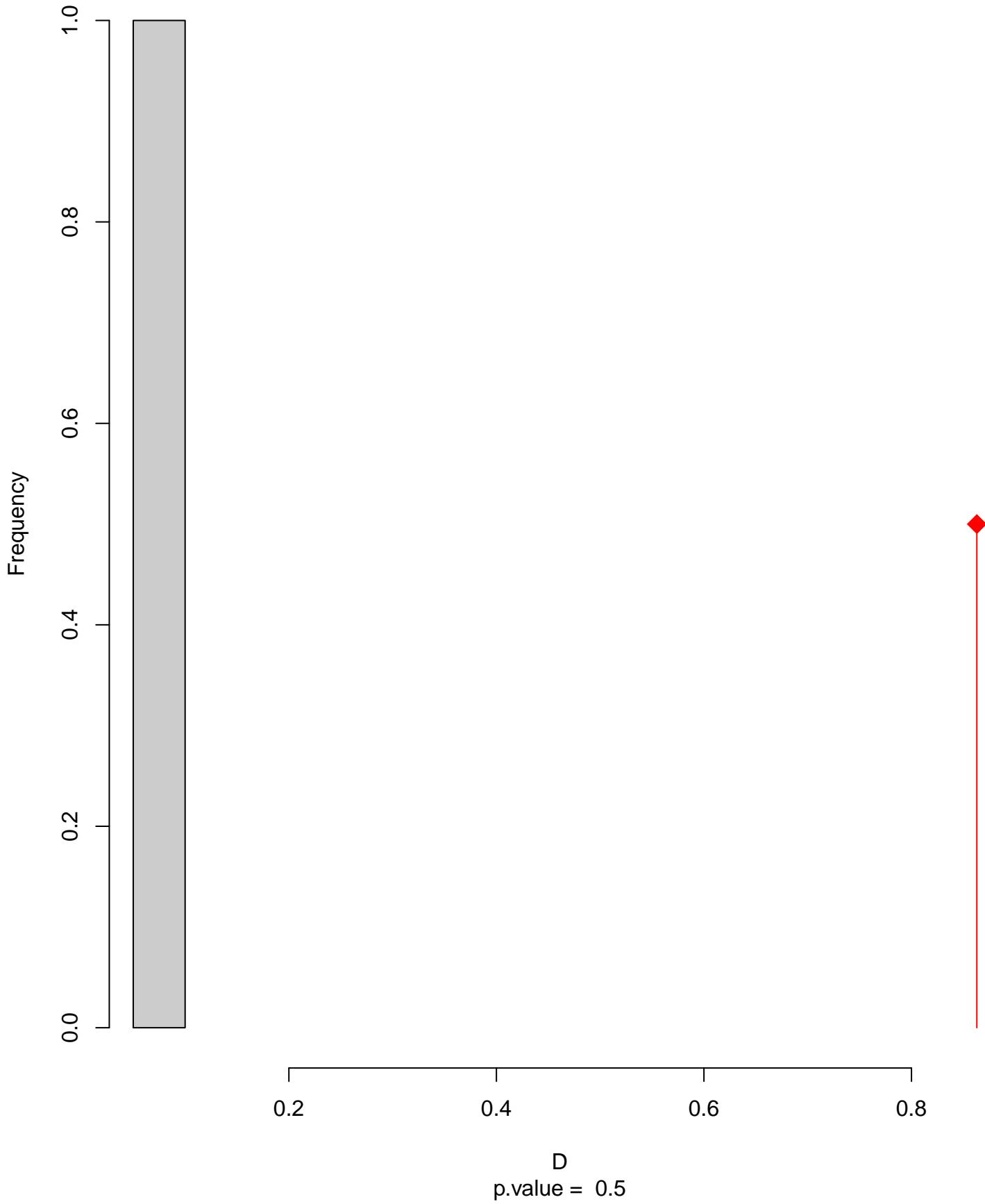


niche overlap:
 $D = 0.863$

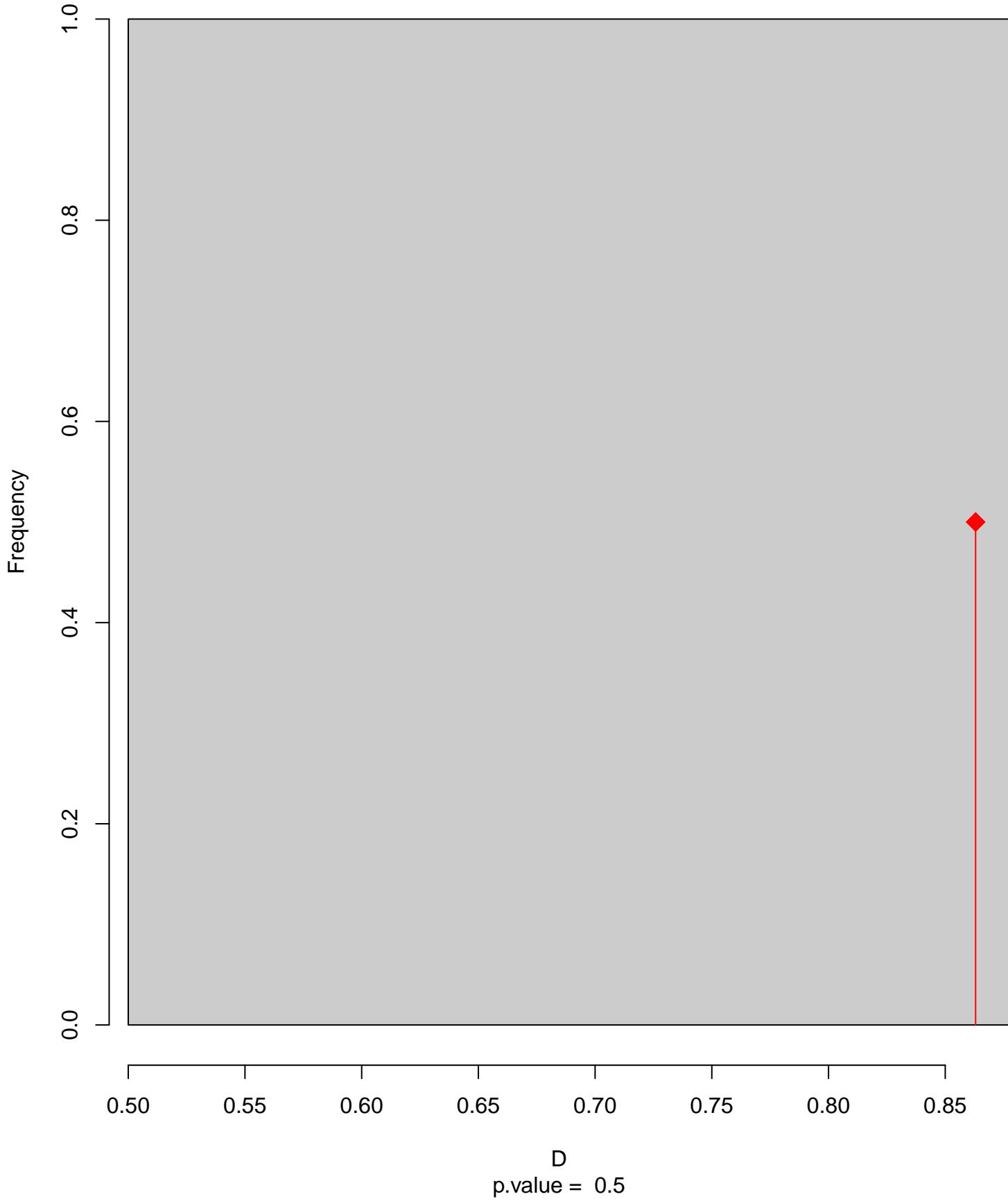
Equivalency



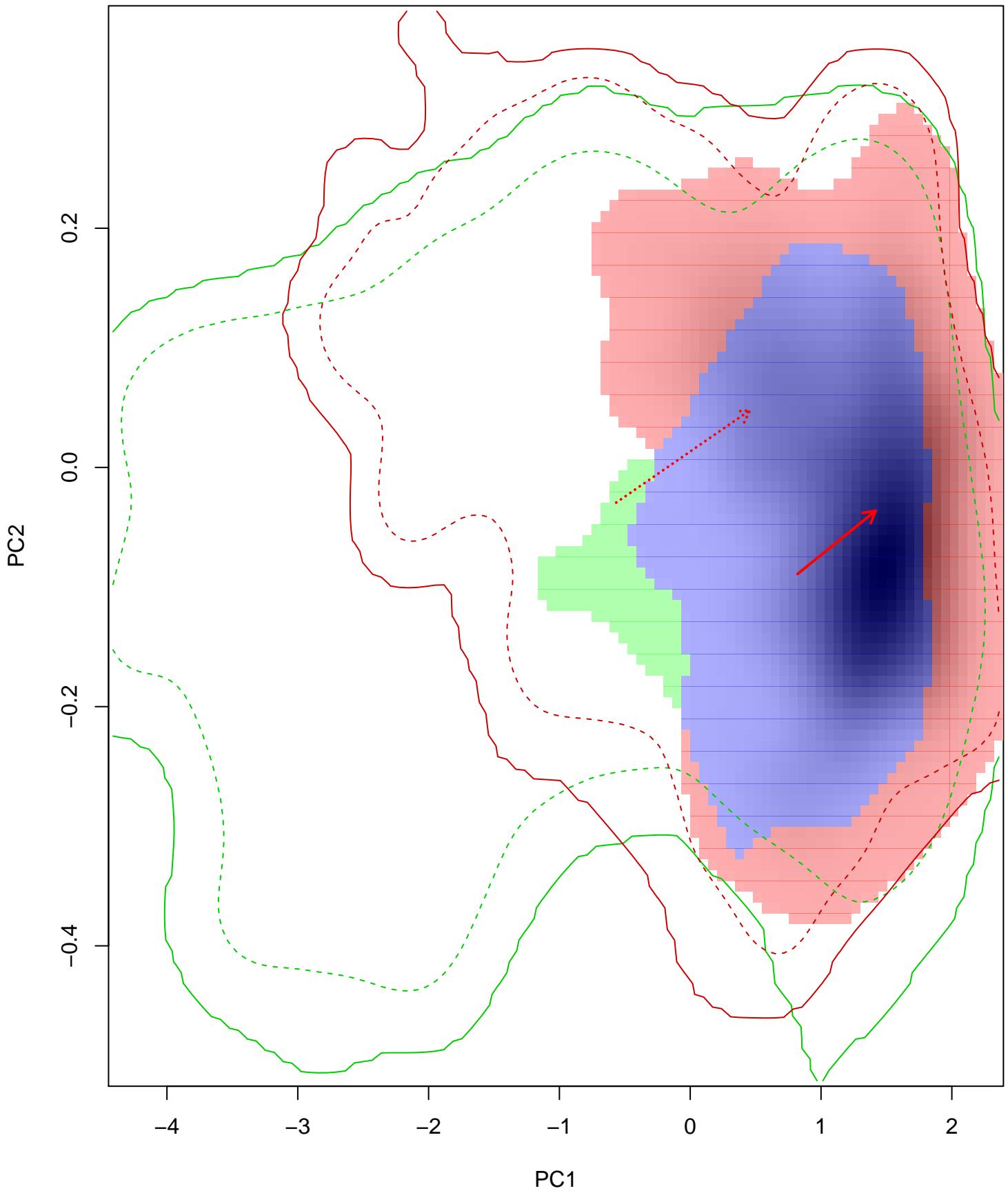
Similarity 2->1



Similarity 1→2

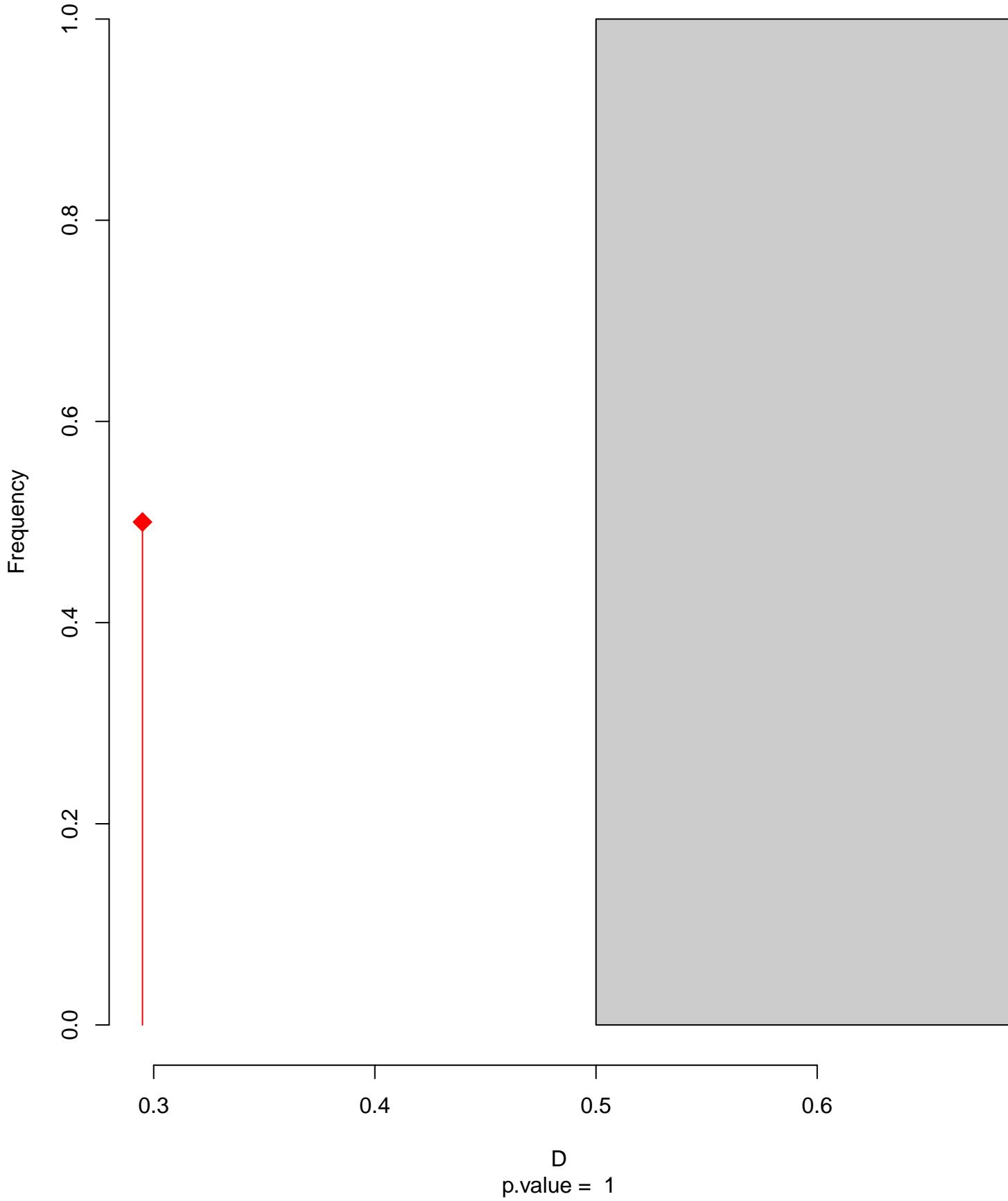


Ptyonoprogne obsoleta seasonal overlap

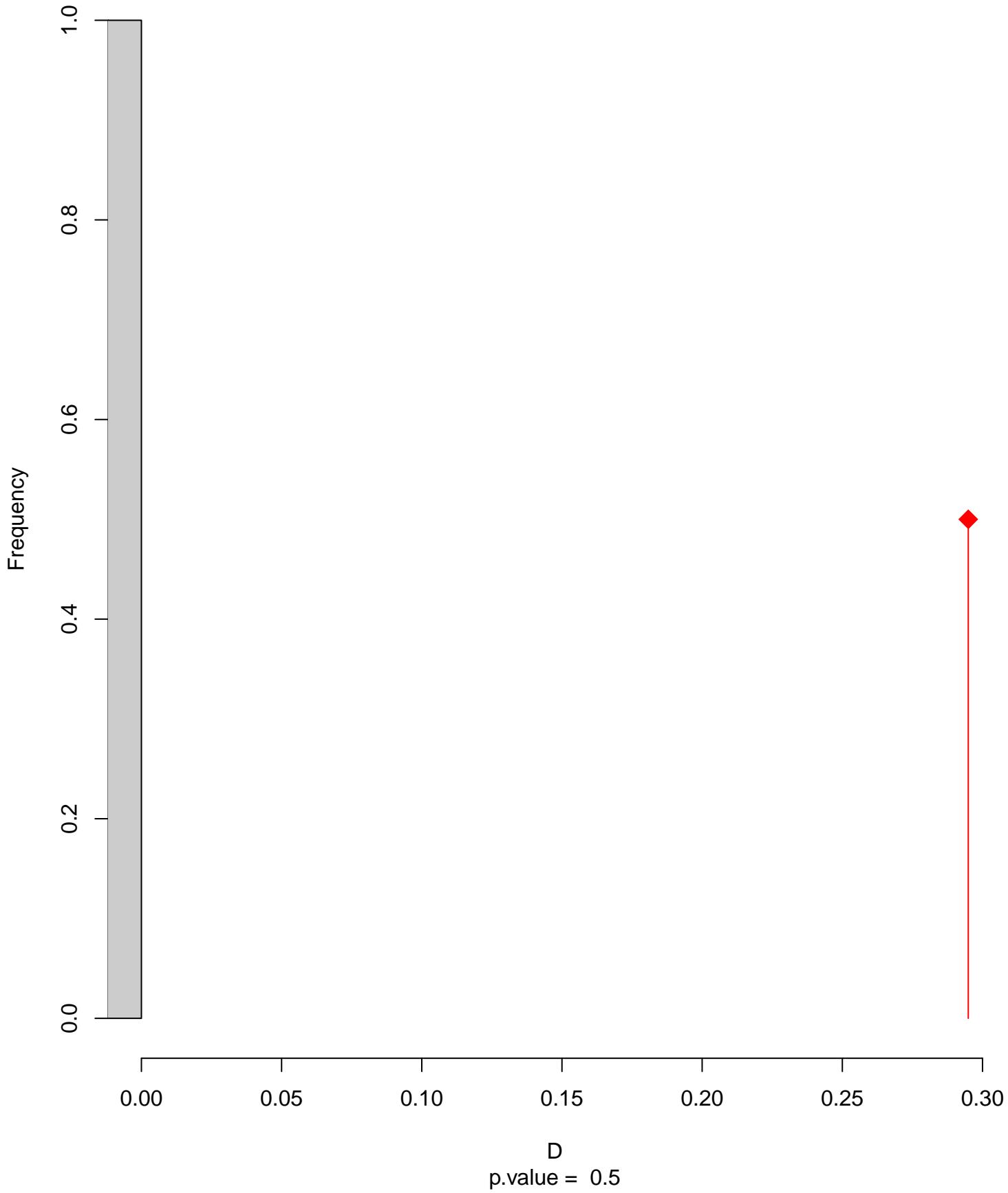


niche overlap:
 $D = 0.295$

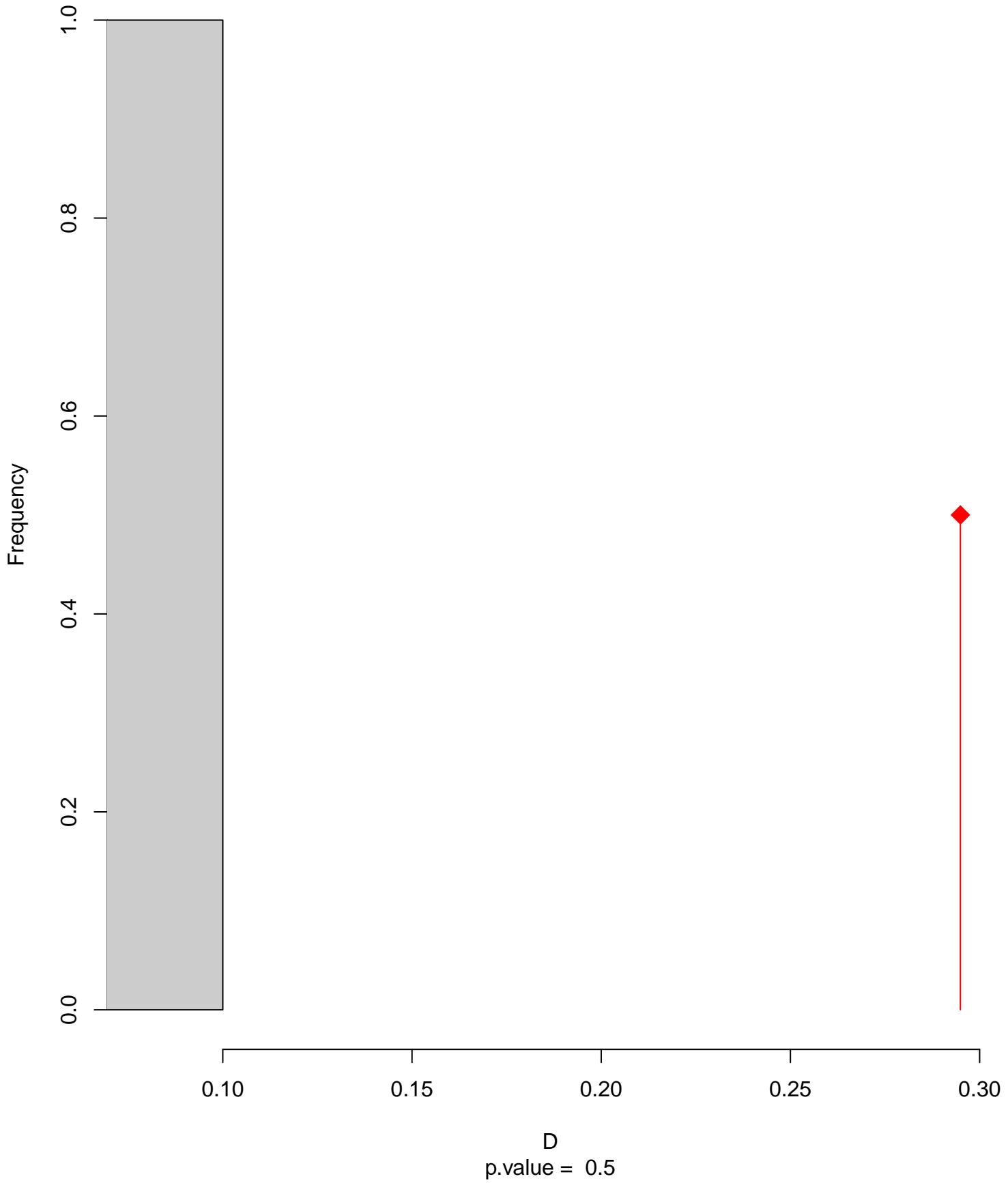
Equivalency



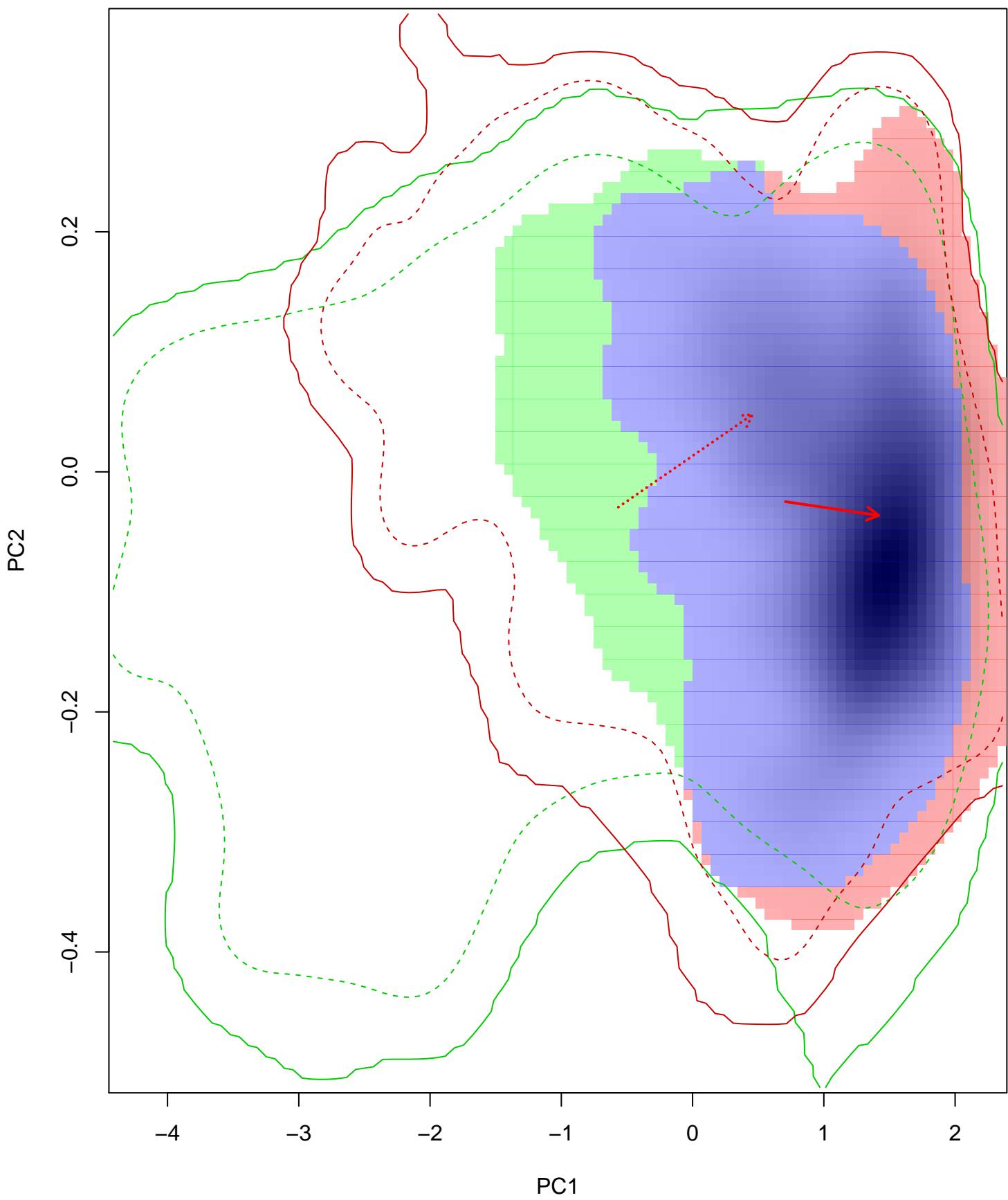
Similarity 2->1



Similarity 1→2

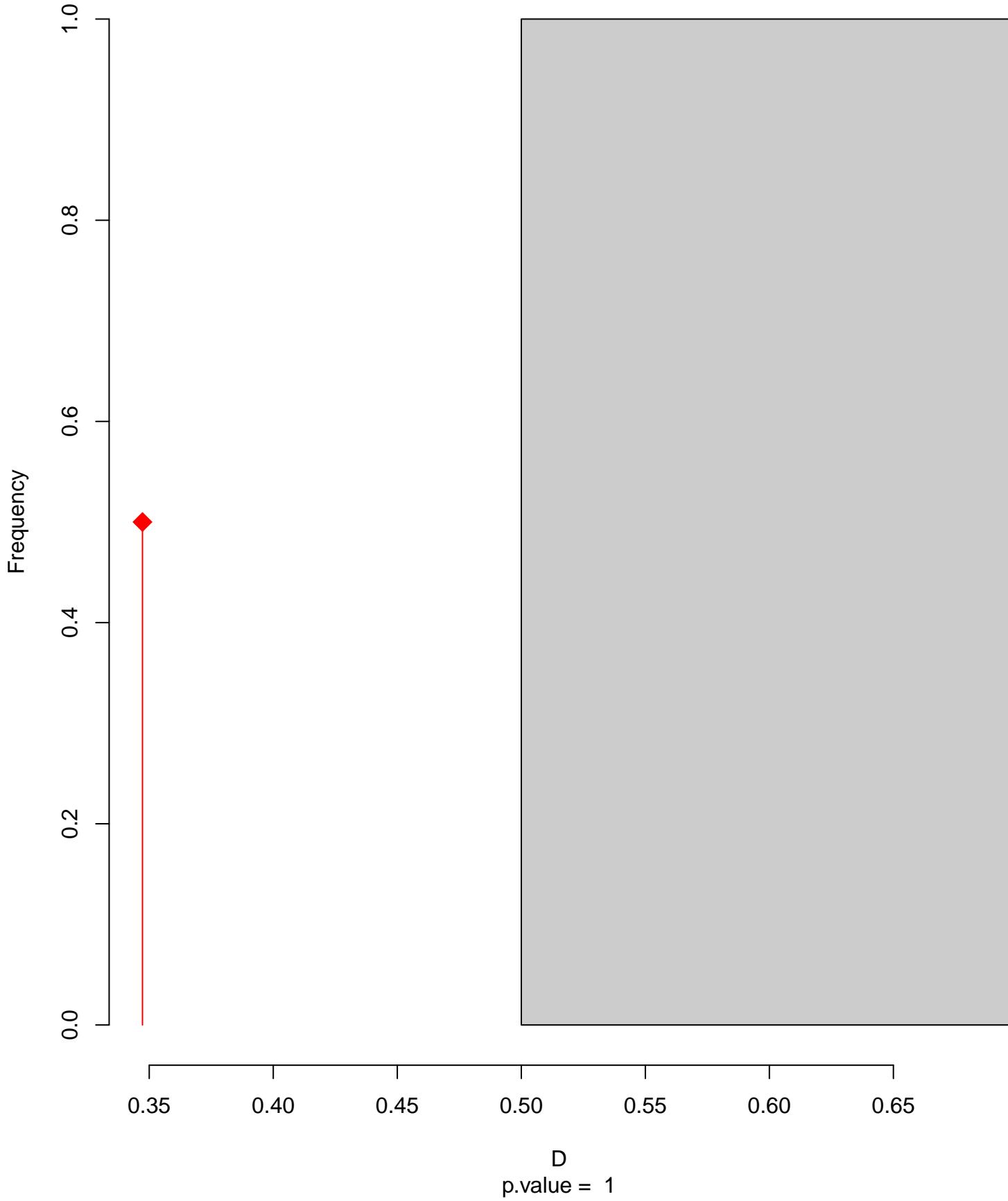


Ptyonoprogne obsoleta seasonal overlap-hypo.br

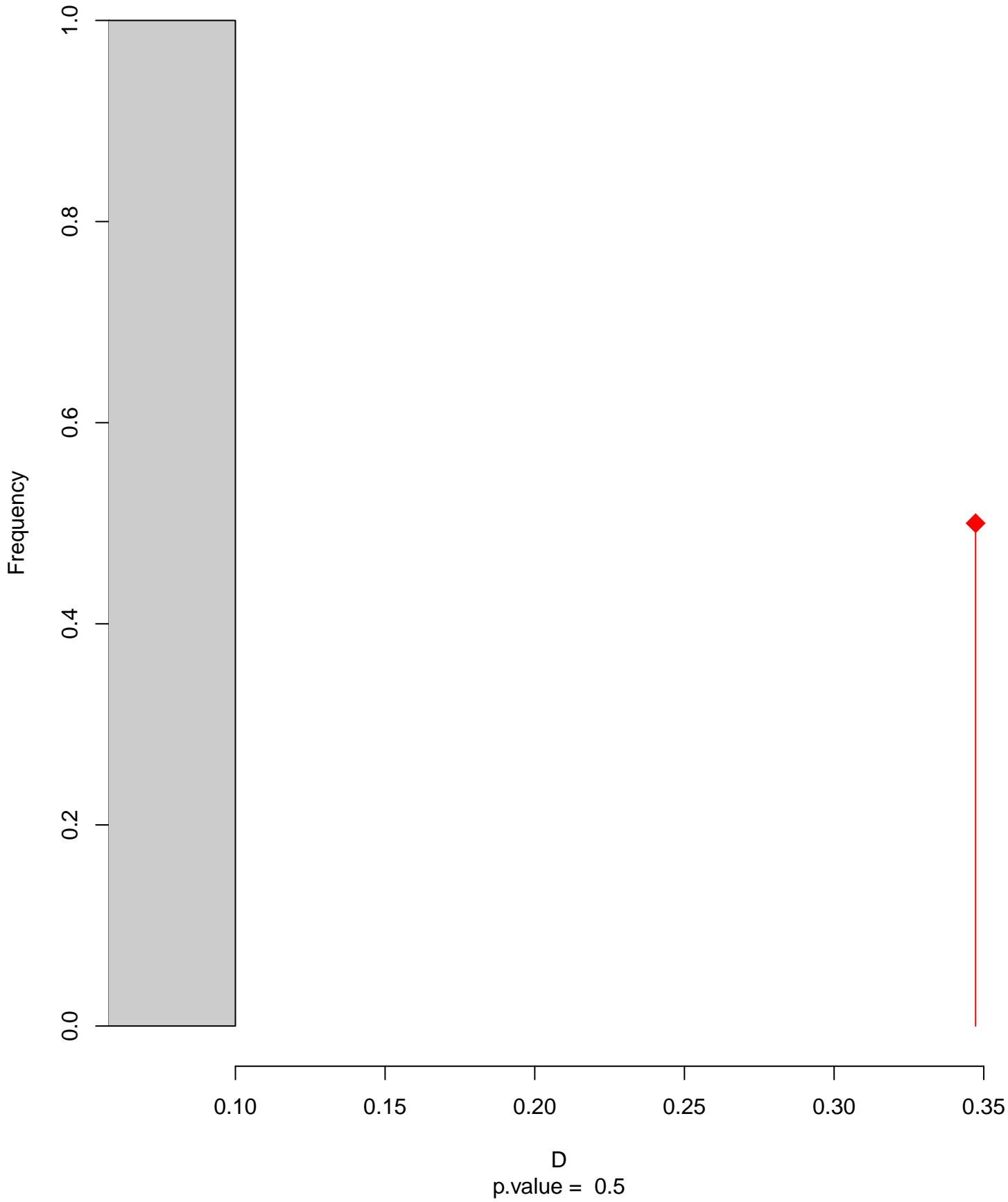


niche overlap:
 $D = 0.347$

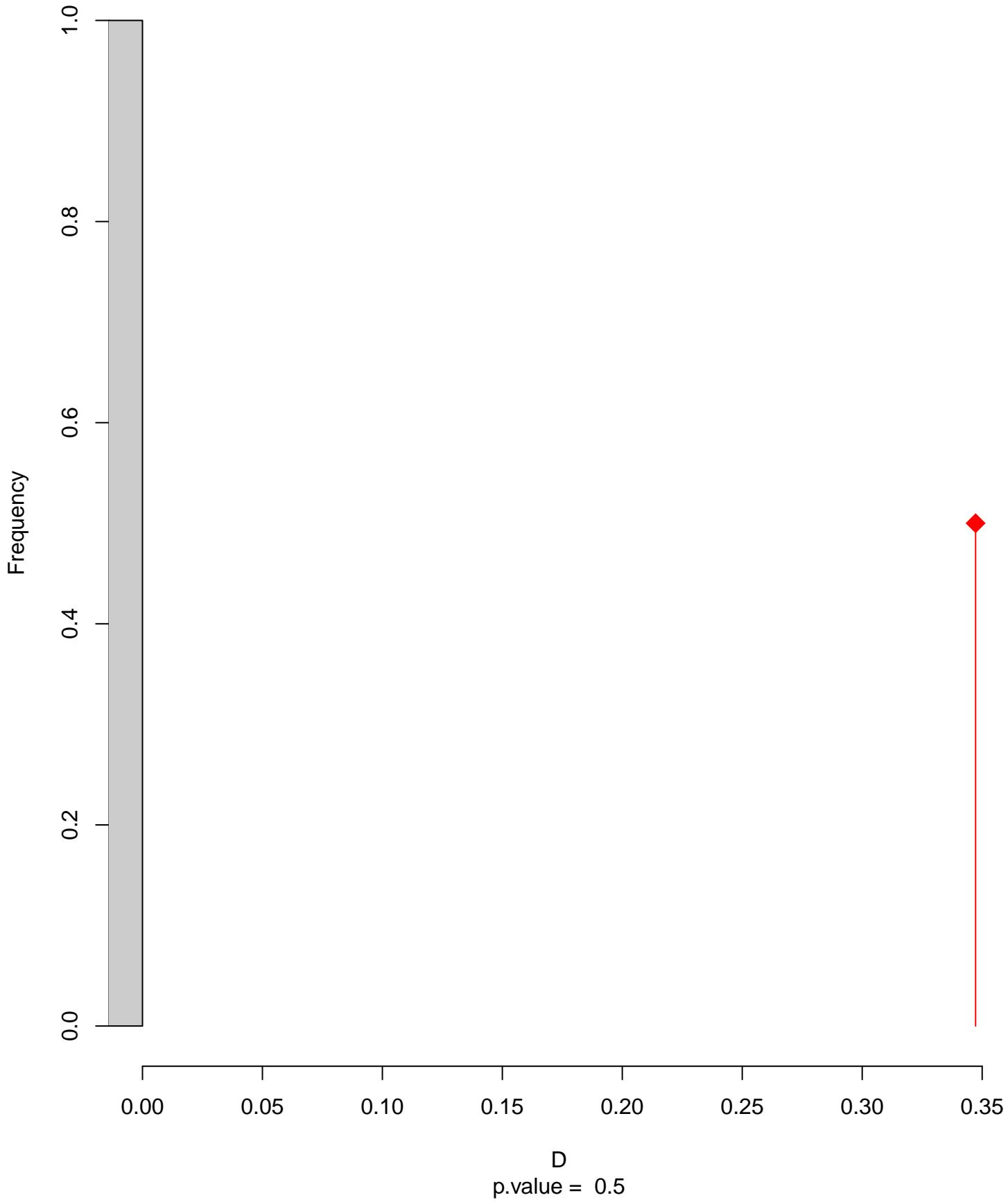
Equivalency



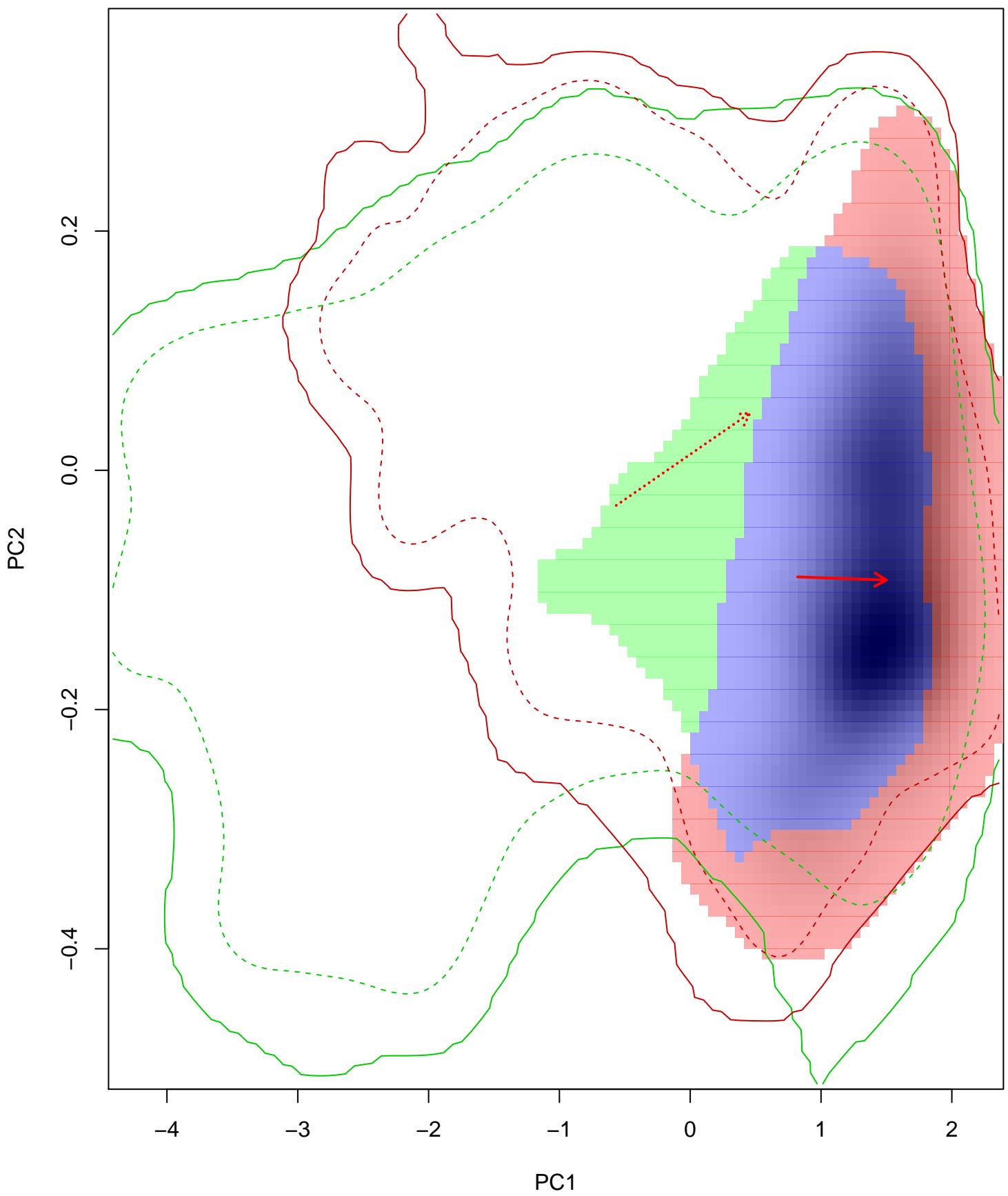
Similarity 2->1



Similarity 1→2

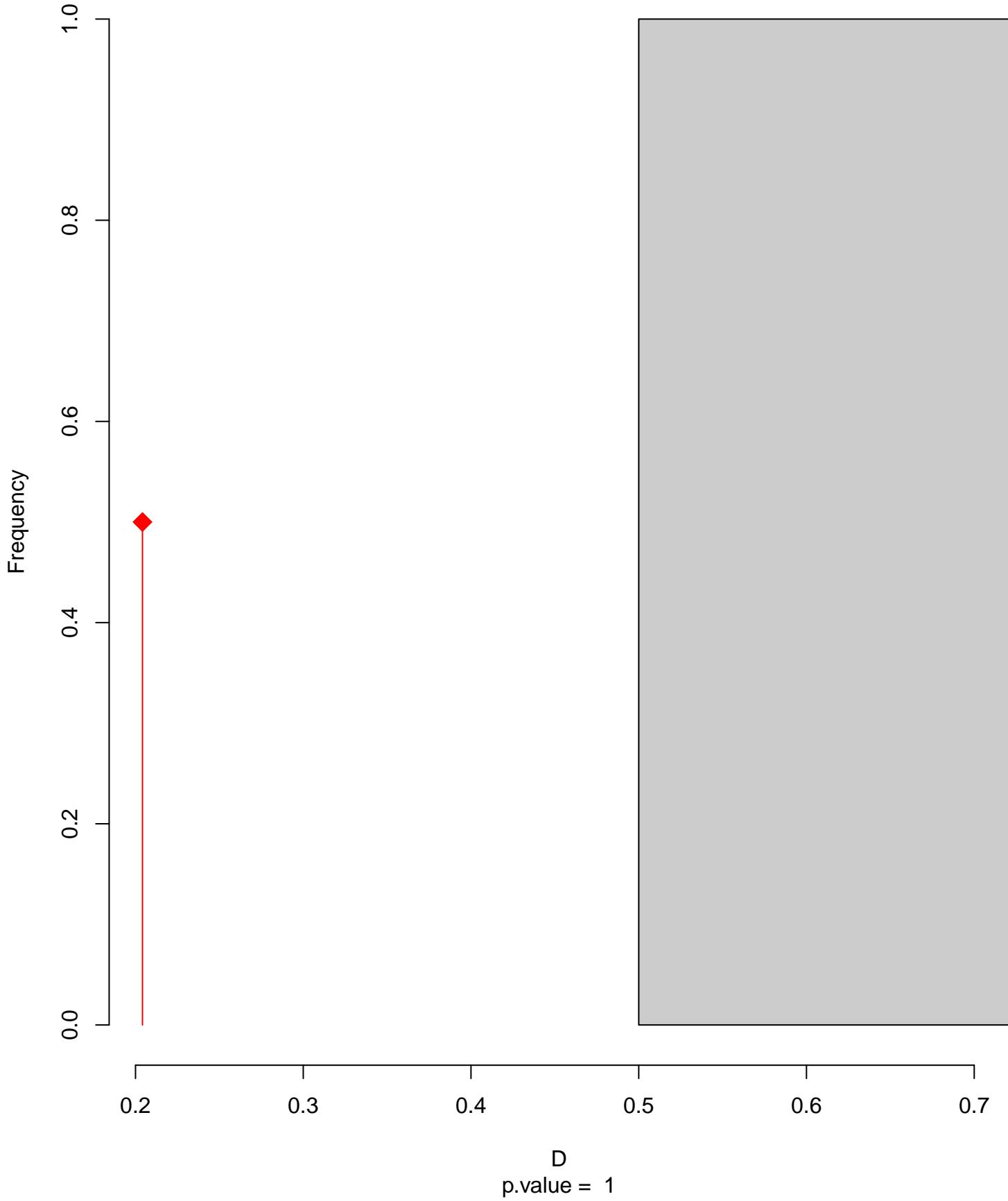


Ptyonoprogne_obsoleta seasonal overlap-hypo wi

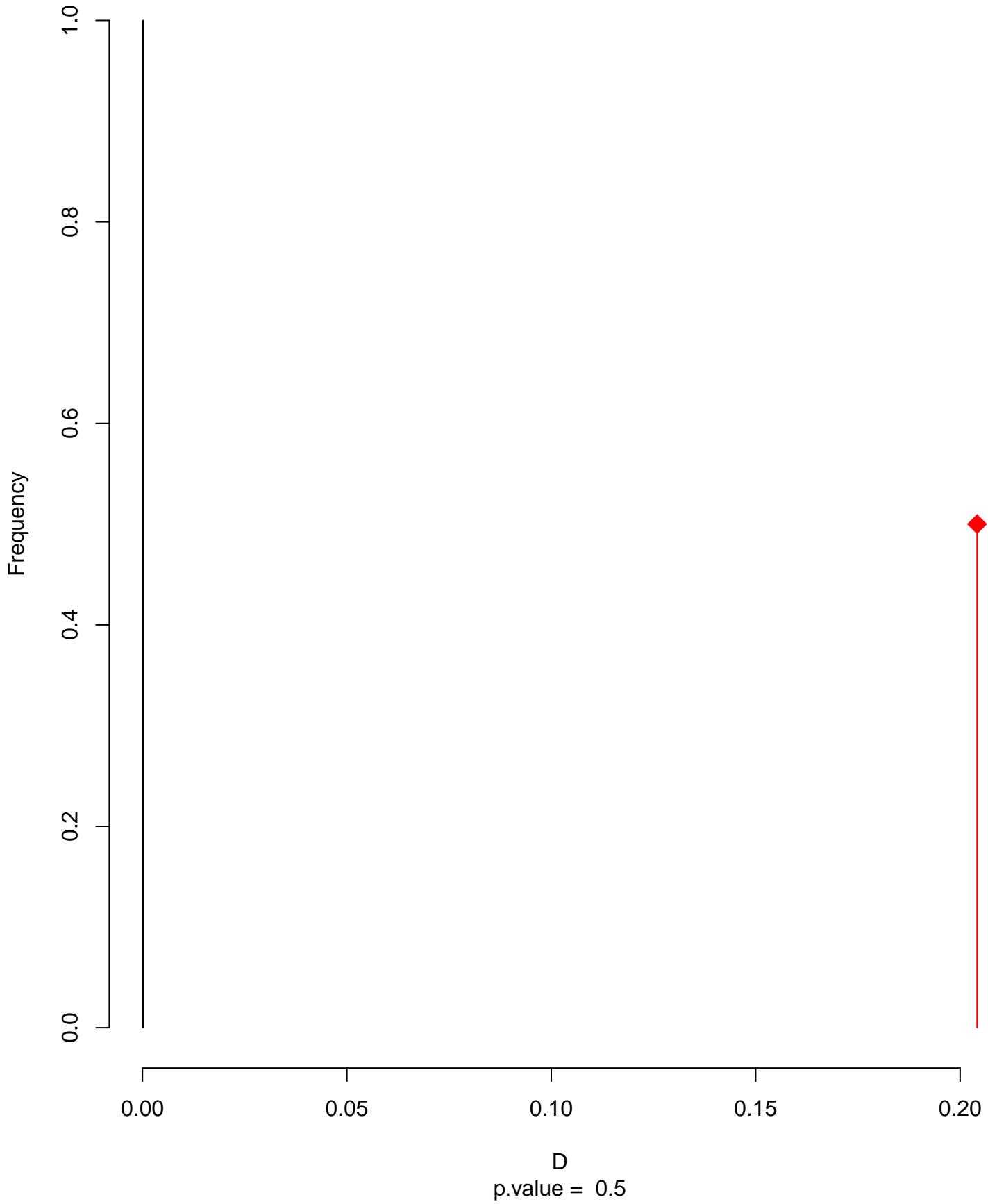


niche overlap:
 $D = 0.204$

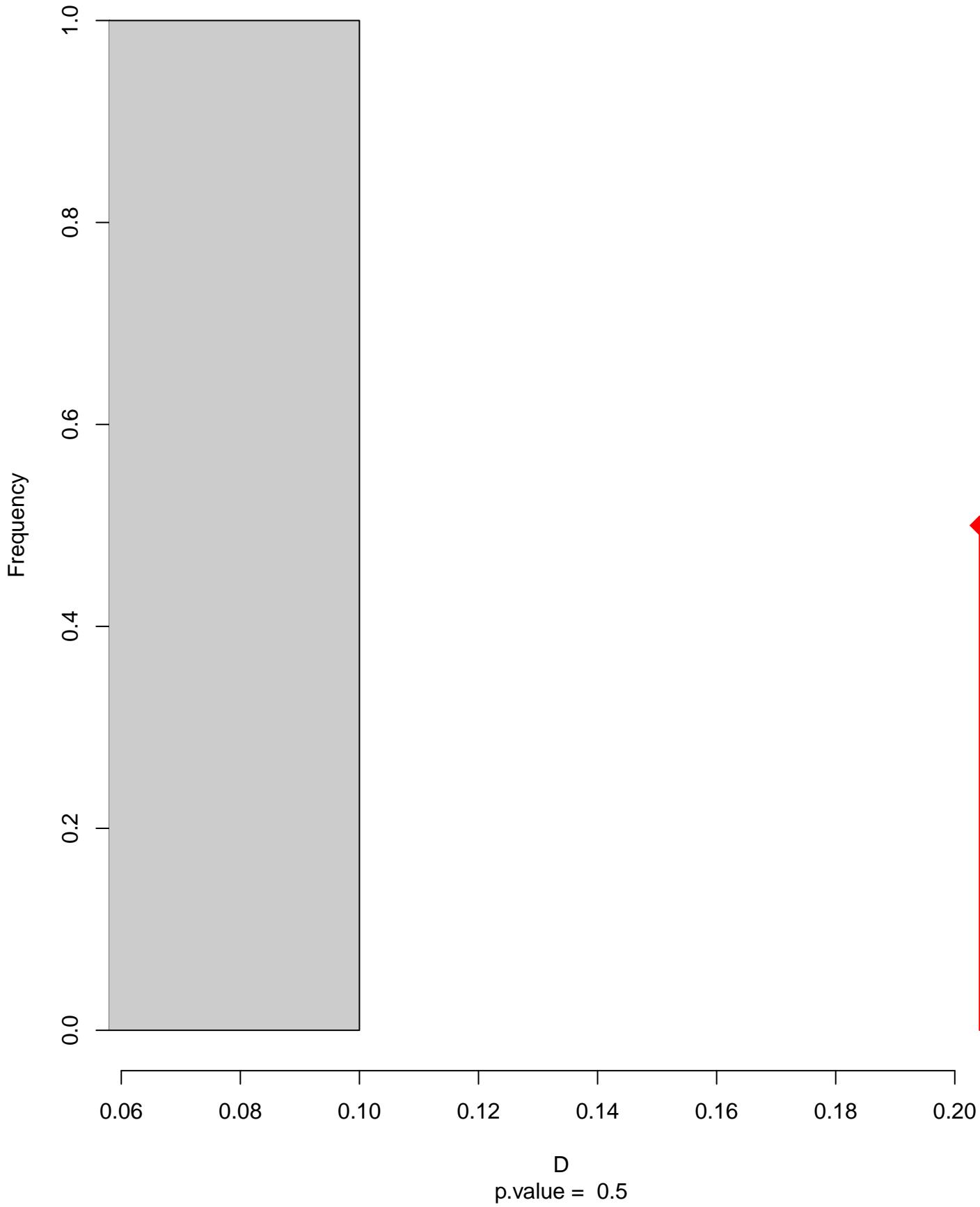
Equivalency



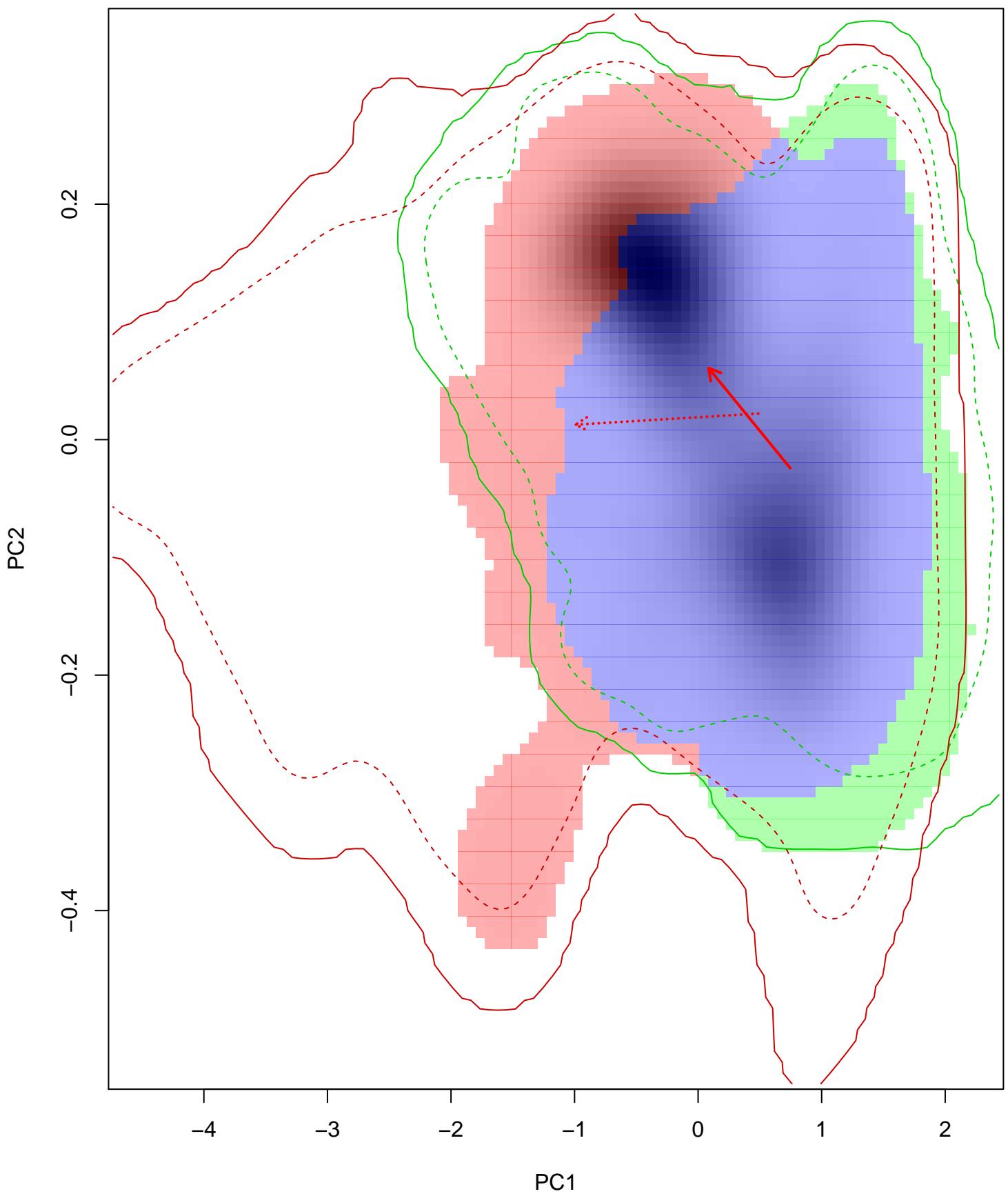
Similarity 2->1



Similarity 1→2

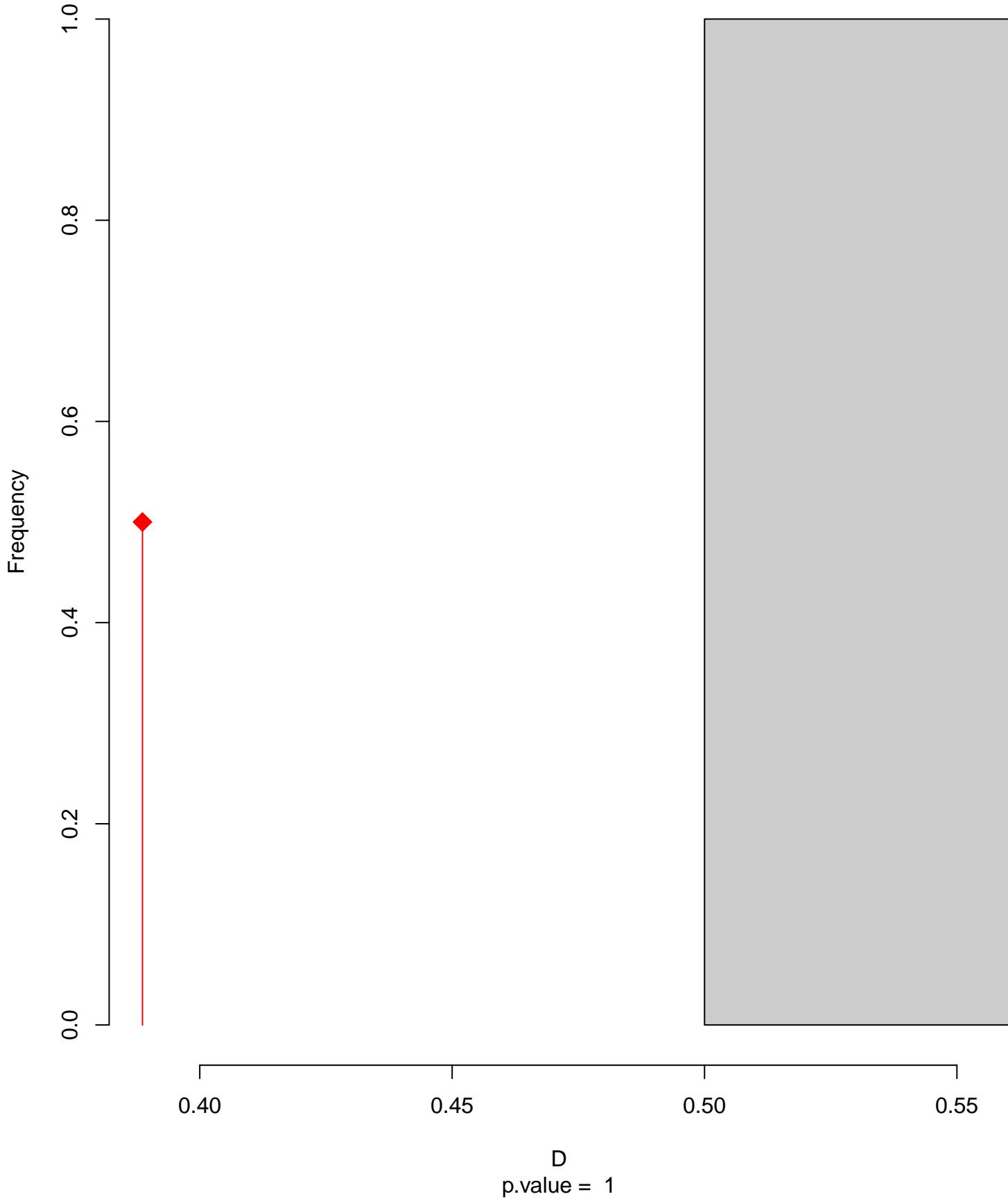


Ptyonoprogne_rupestris seasonal overlap

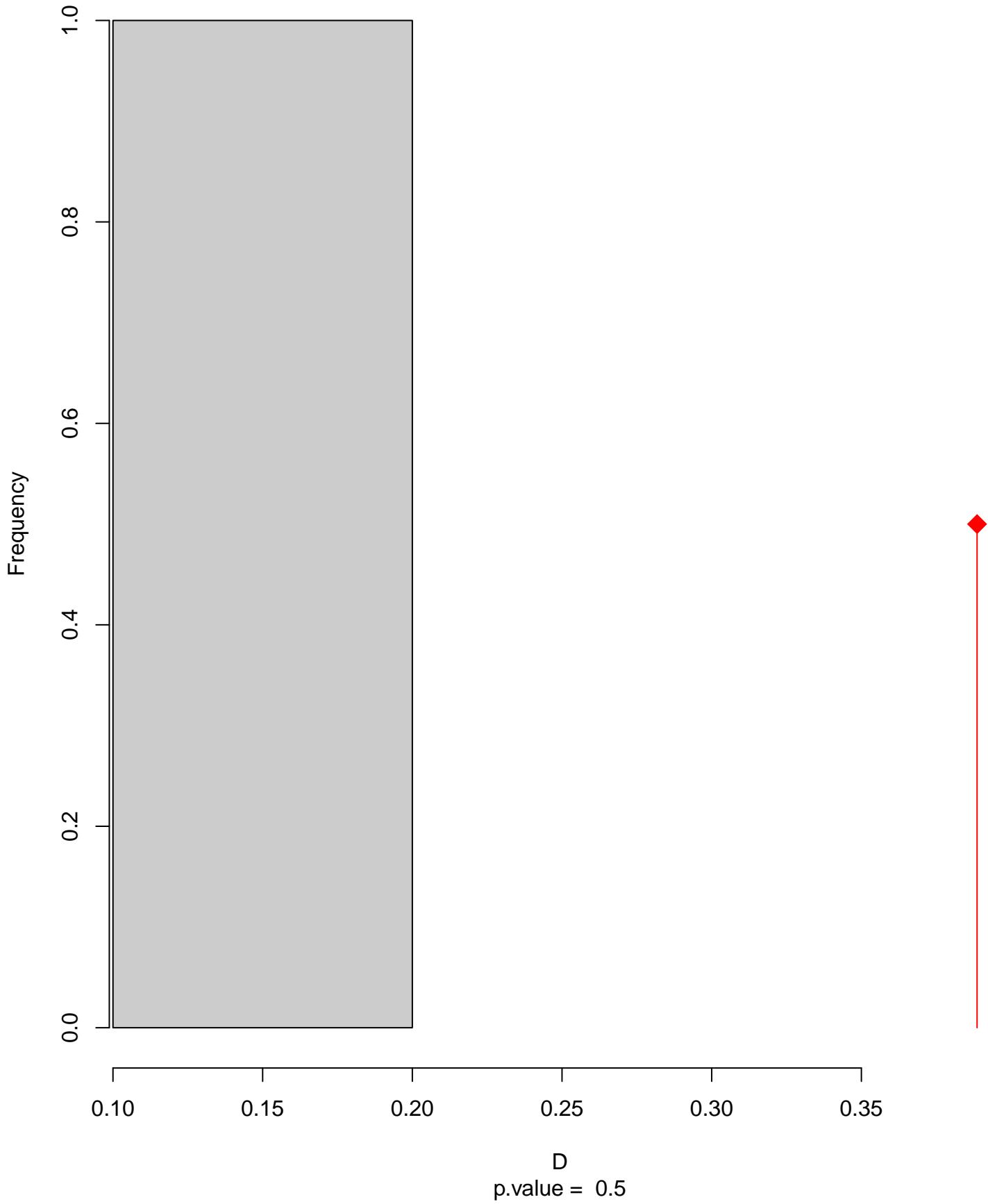


niche overlap:
 $D = 0.389$

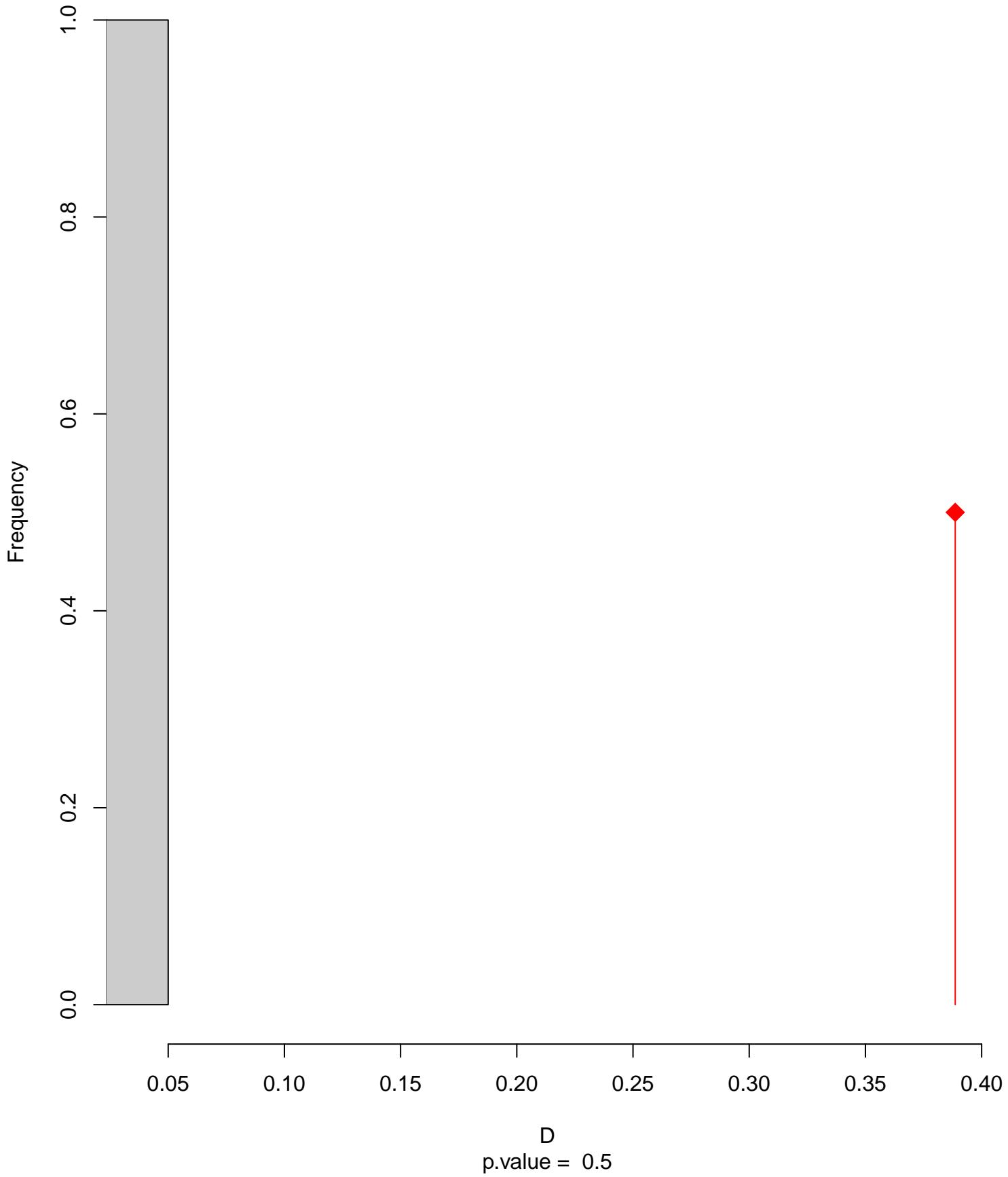
Equivalency



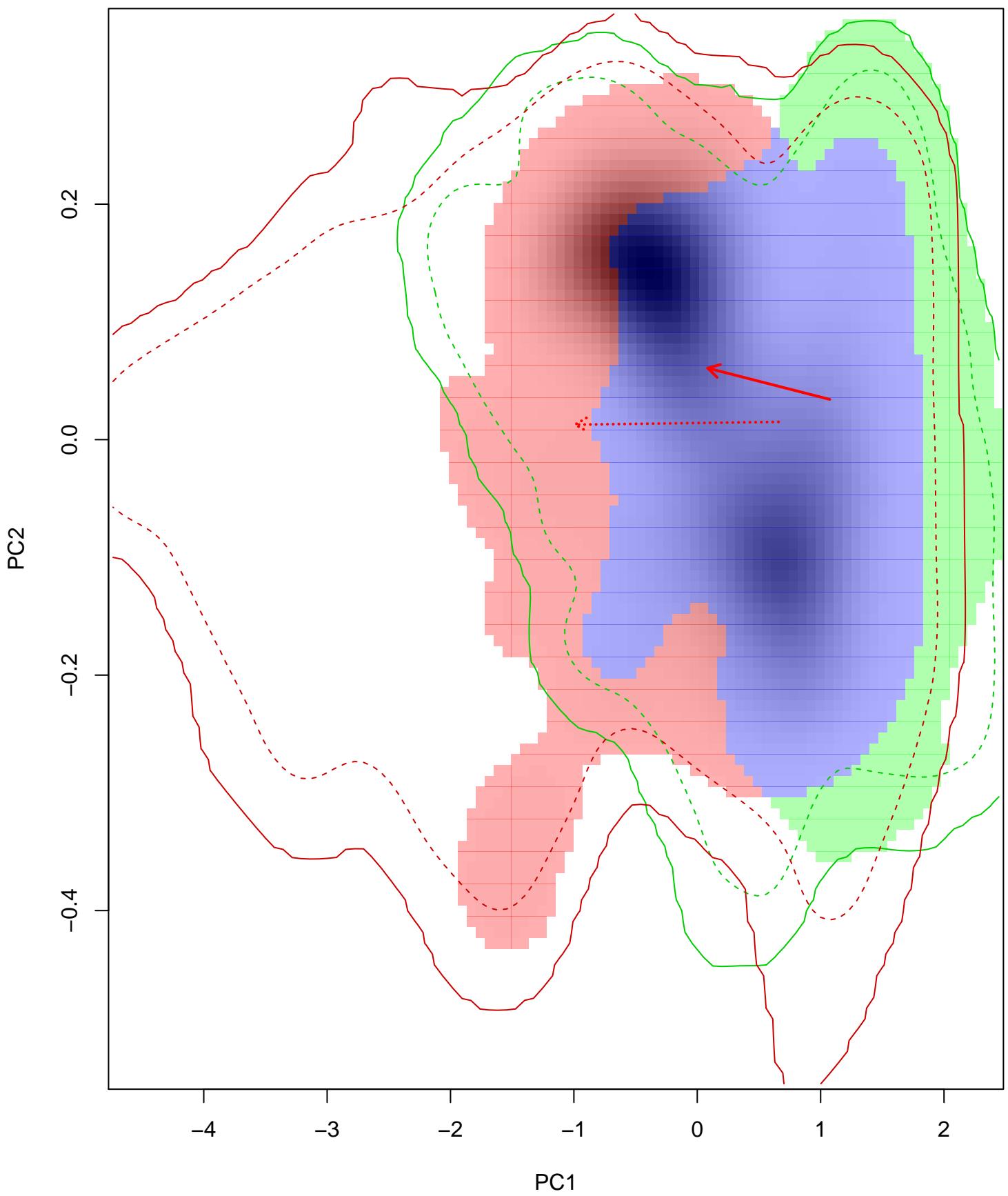
Similarity 2->1



Similarity 1→2

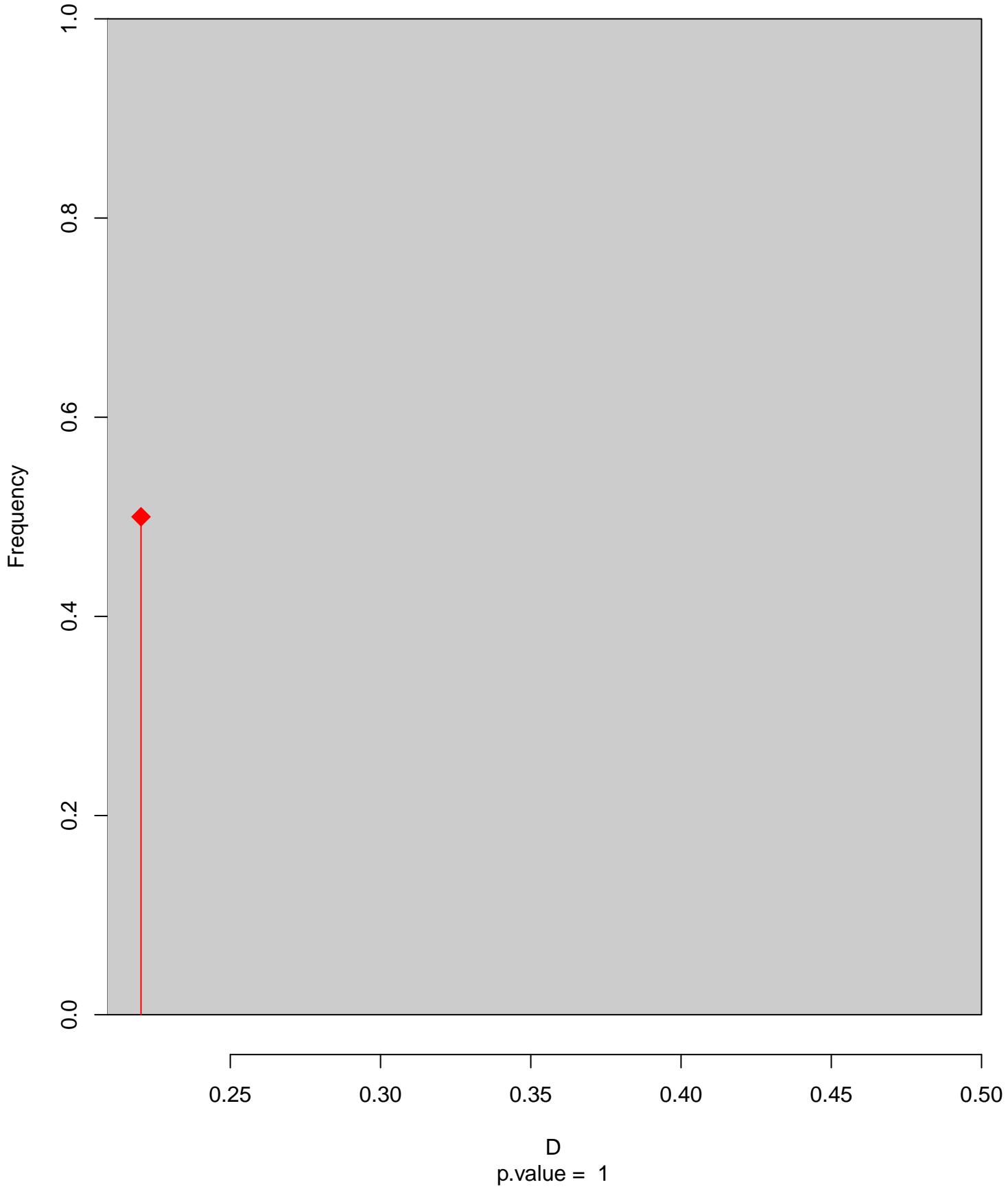


Ptyonoprogne_rupestrис seasonal overlap-hypo.br

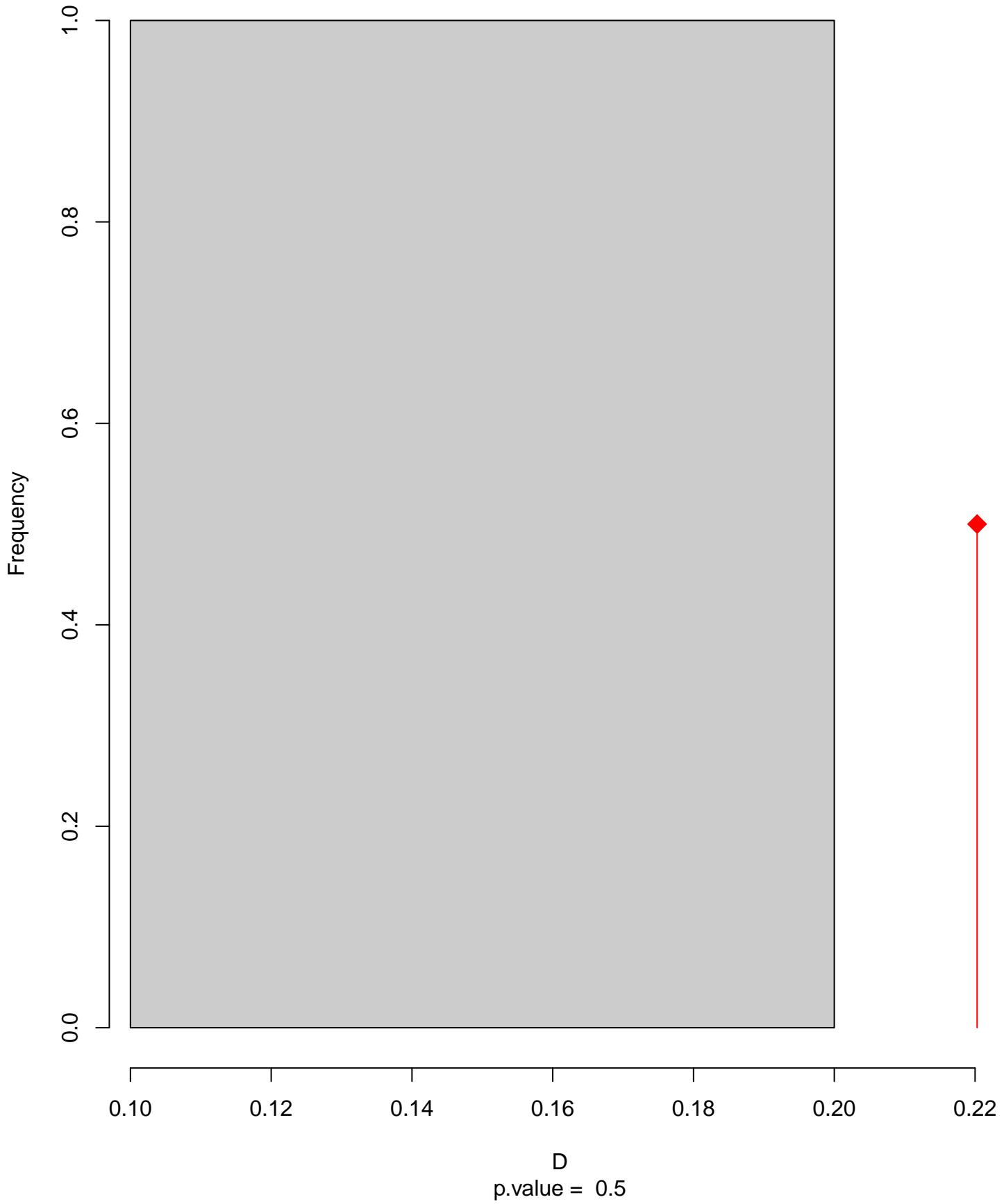


niche overlap:
 $D = 0.22$

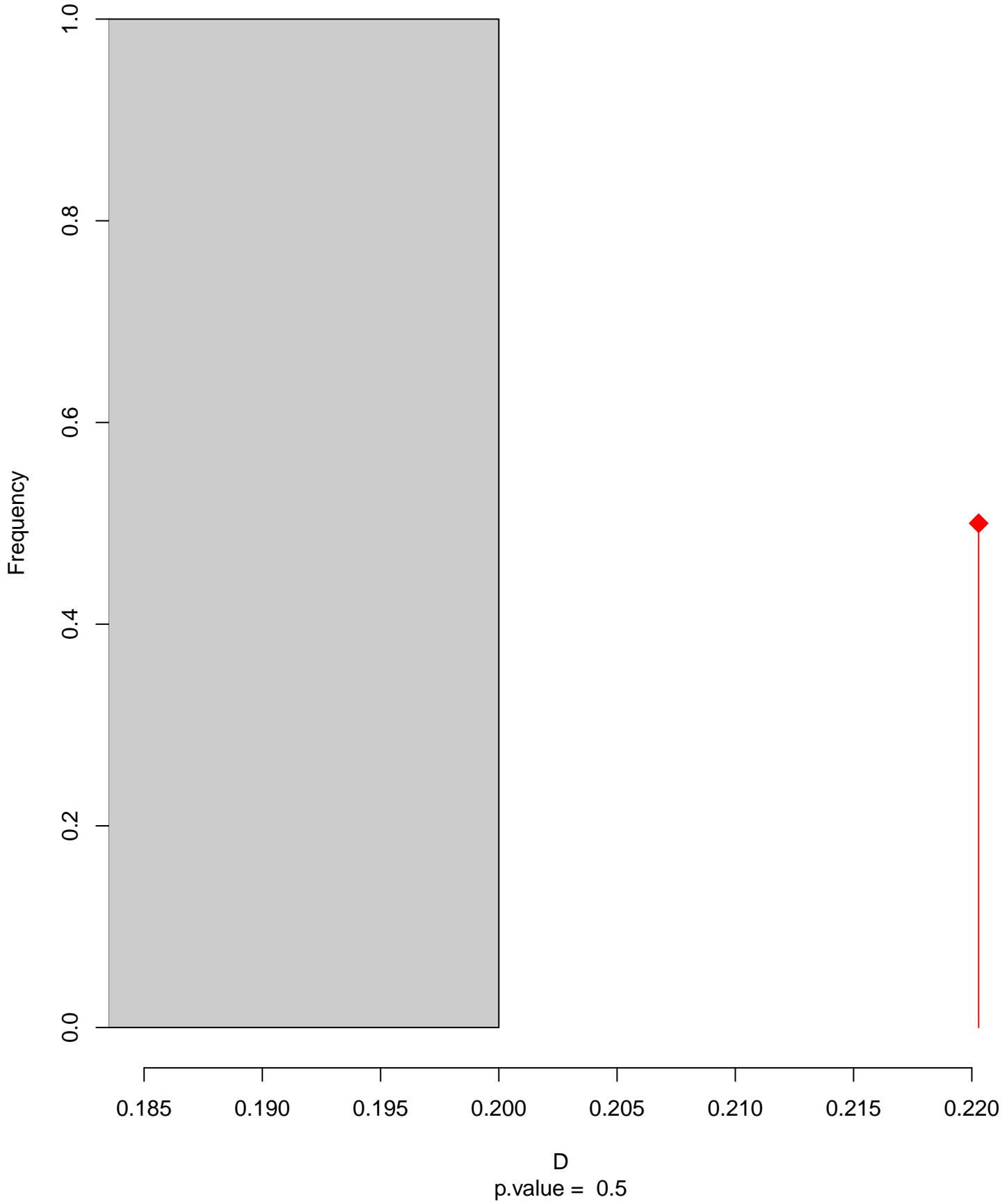
Equivalency



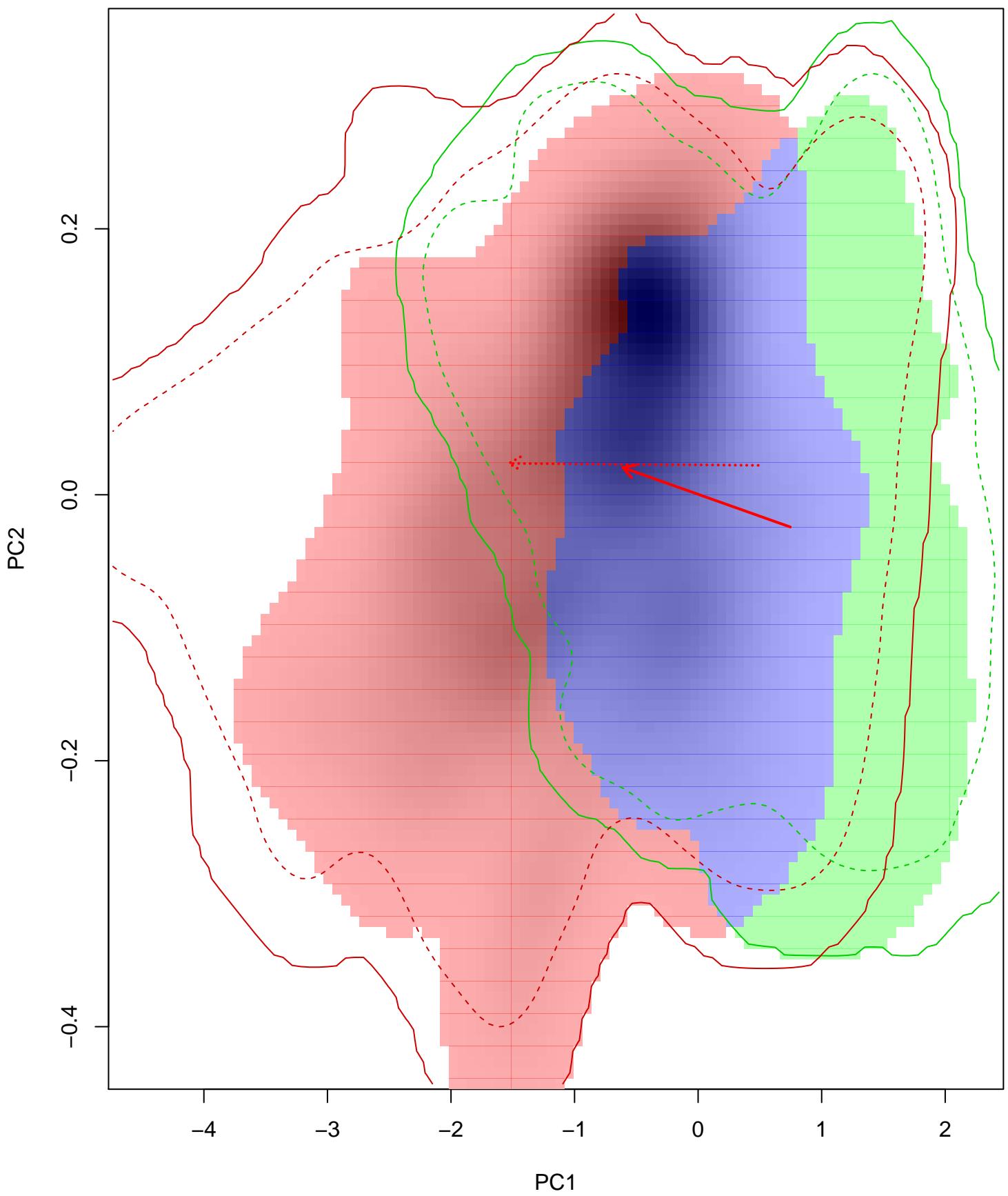
Similarity 2->1



Similarity 1→2

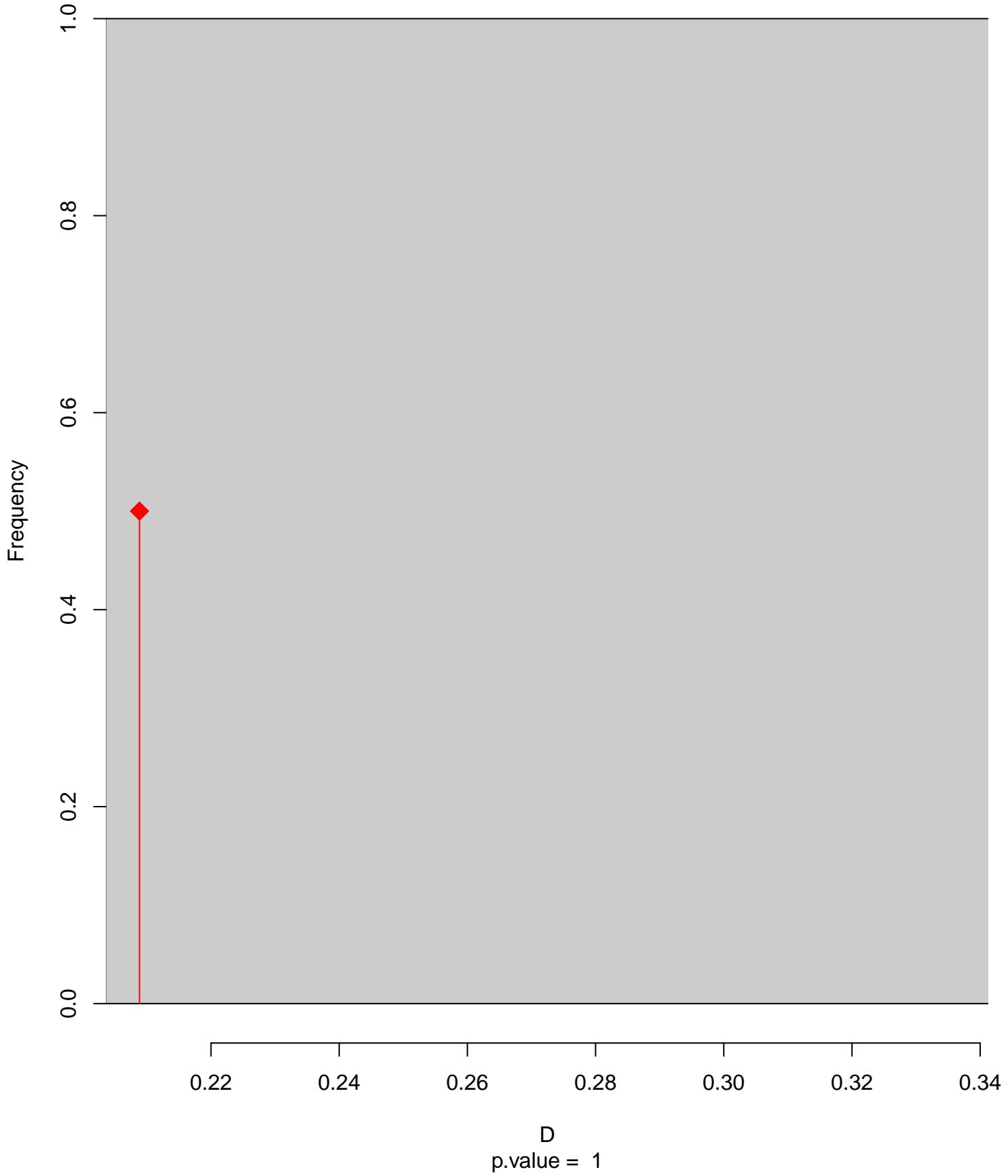


Ptyonoprogne_rupestrис seasonal overlap–hypo wi

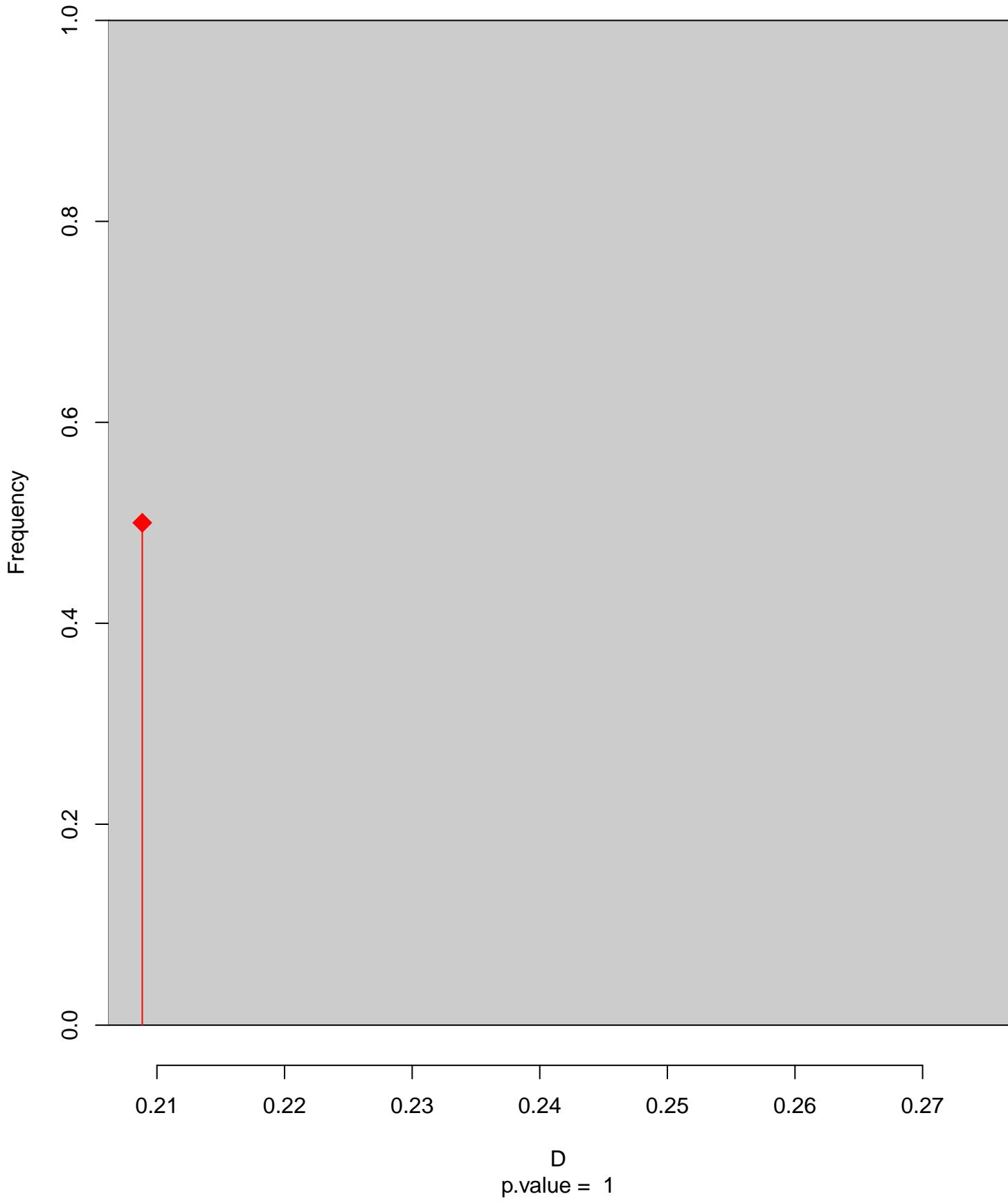


niche overlap:
D= 0.209

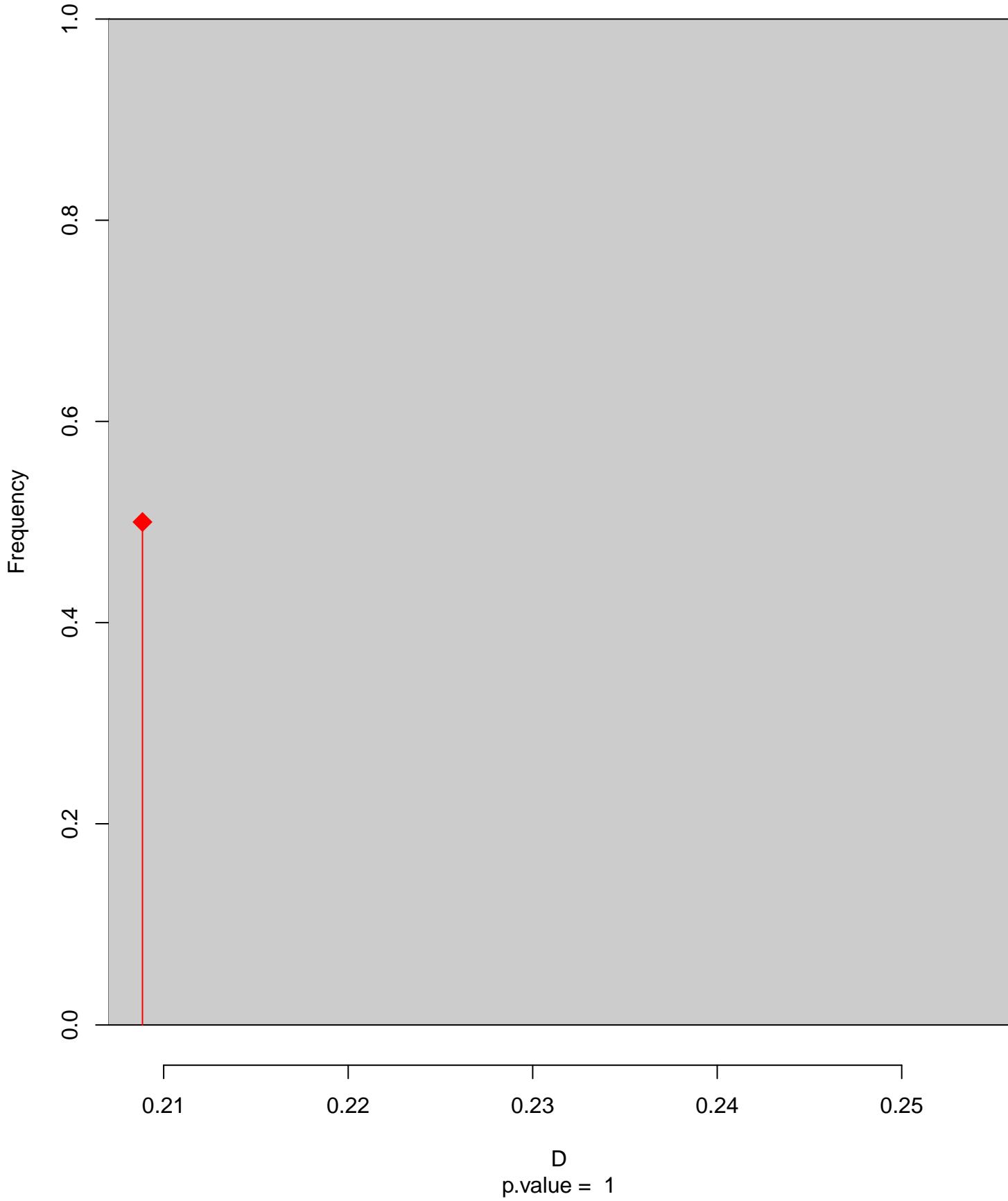
Equivalency



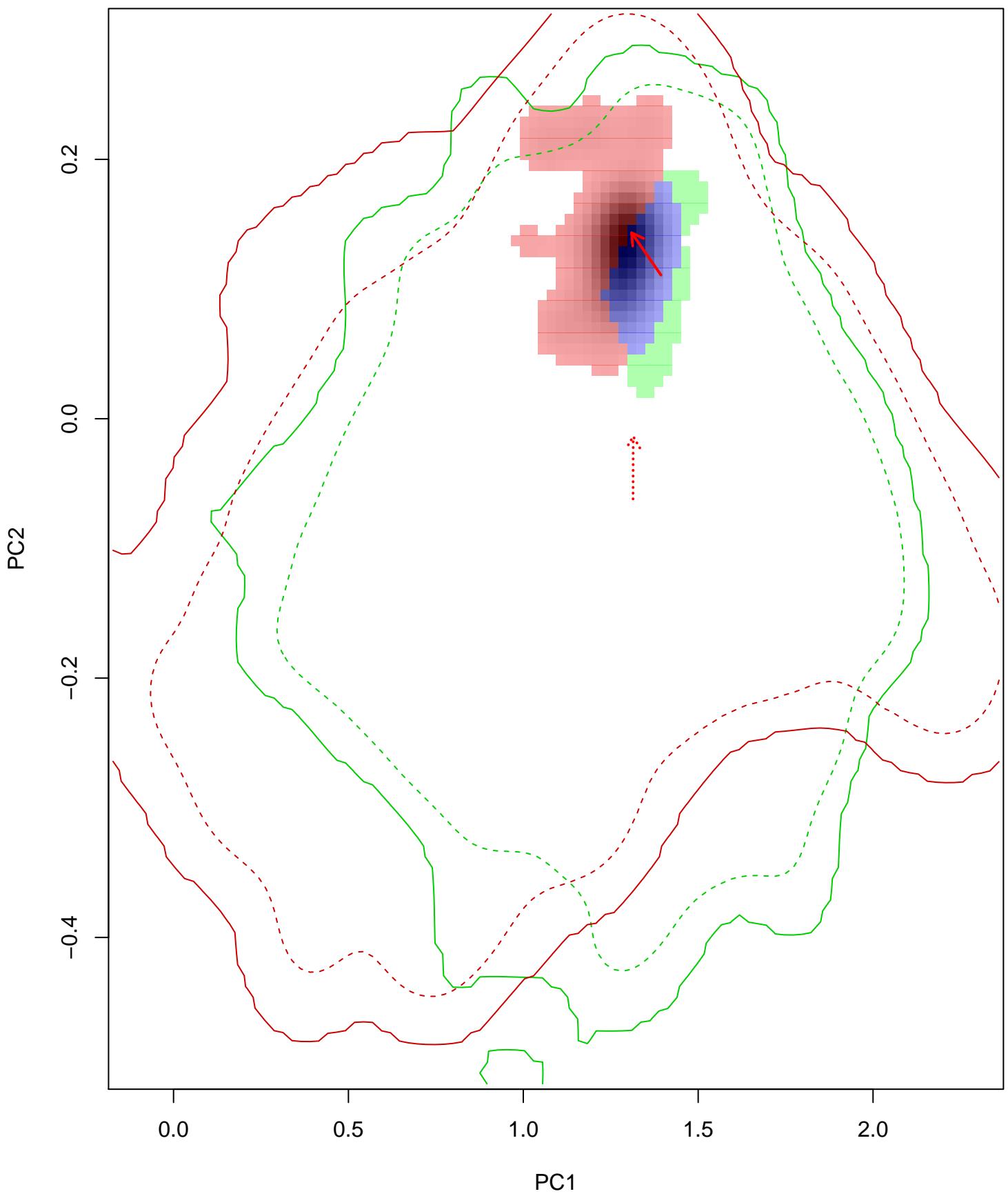
Similarity 2->1



Similarity 1→2

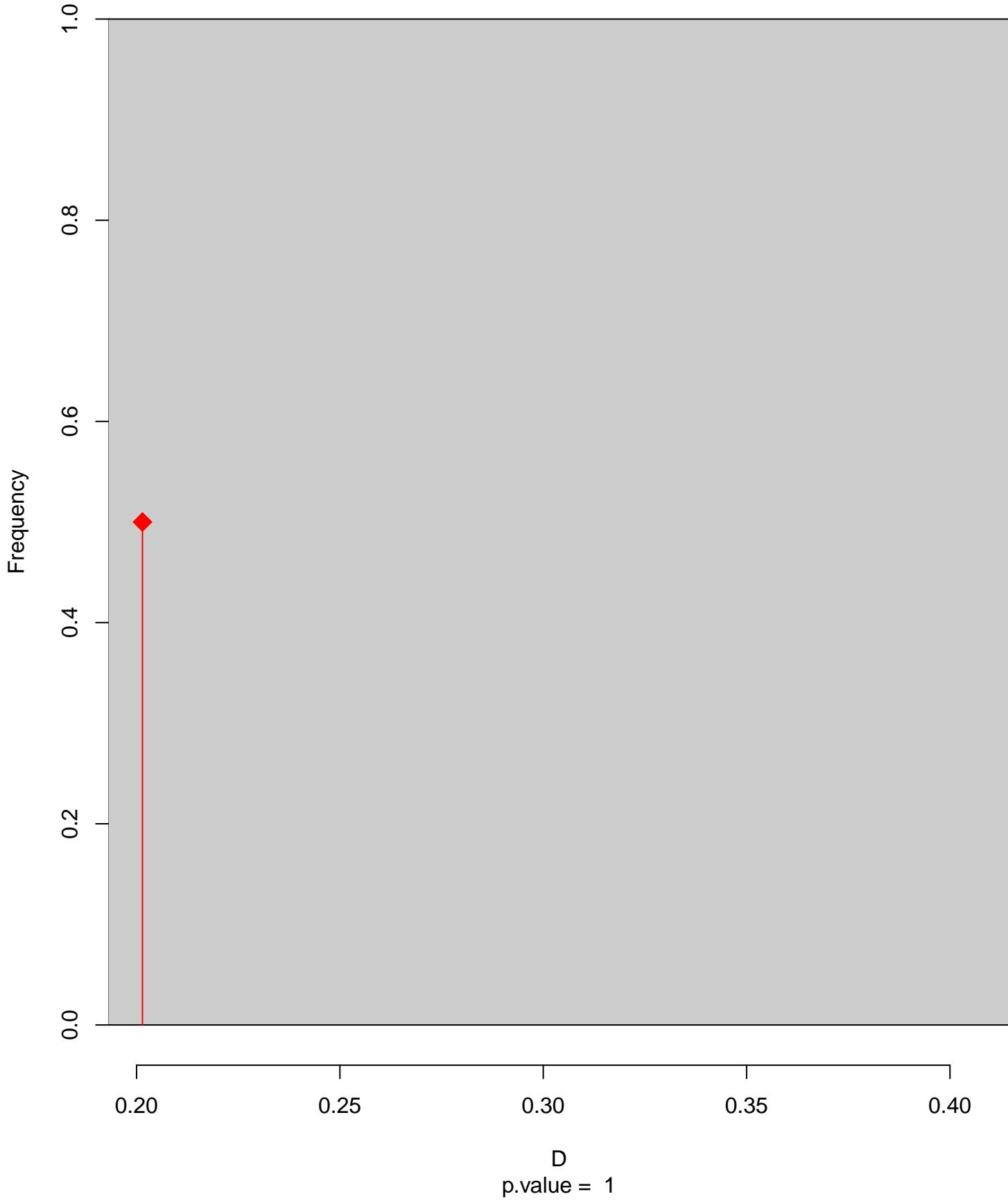


Riparia_congica seasonal overlap

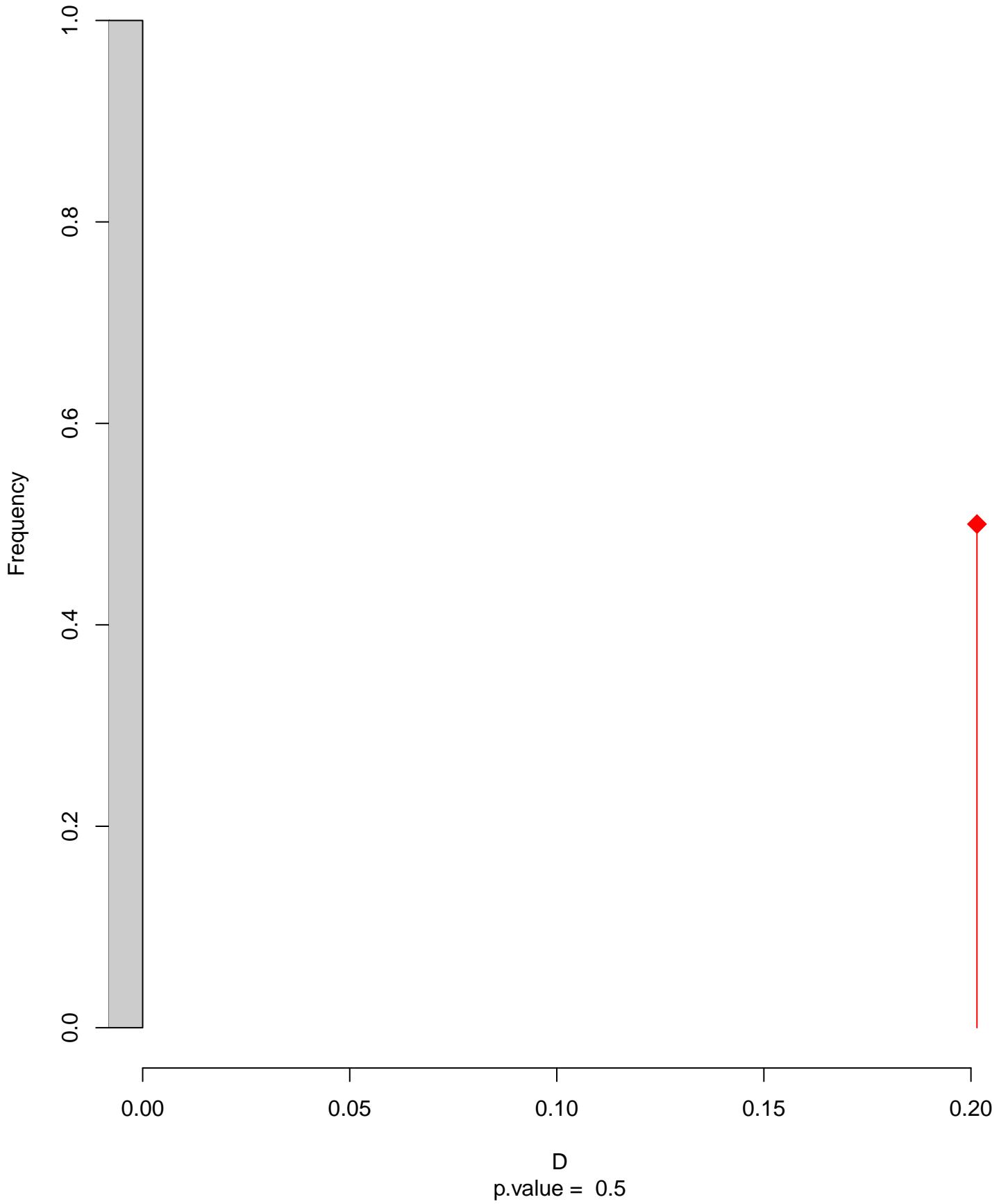


niche overlap:
 $D = 0.201$

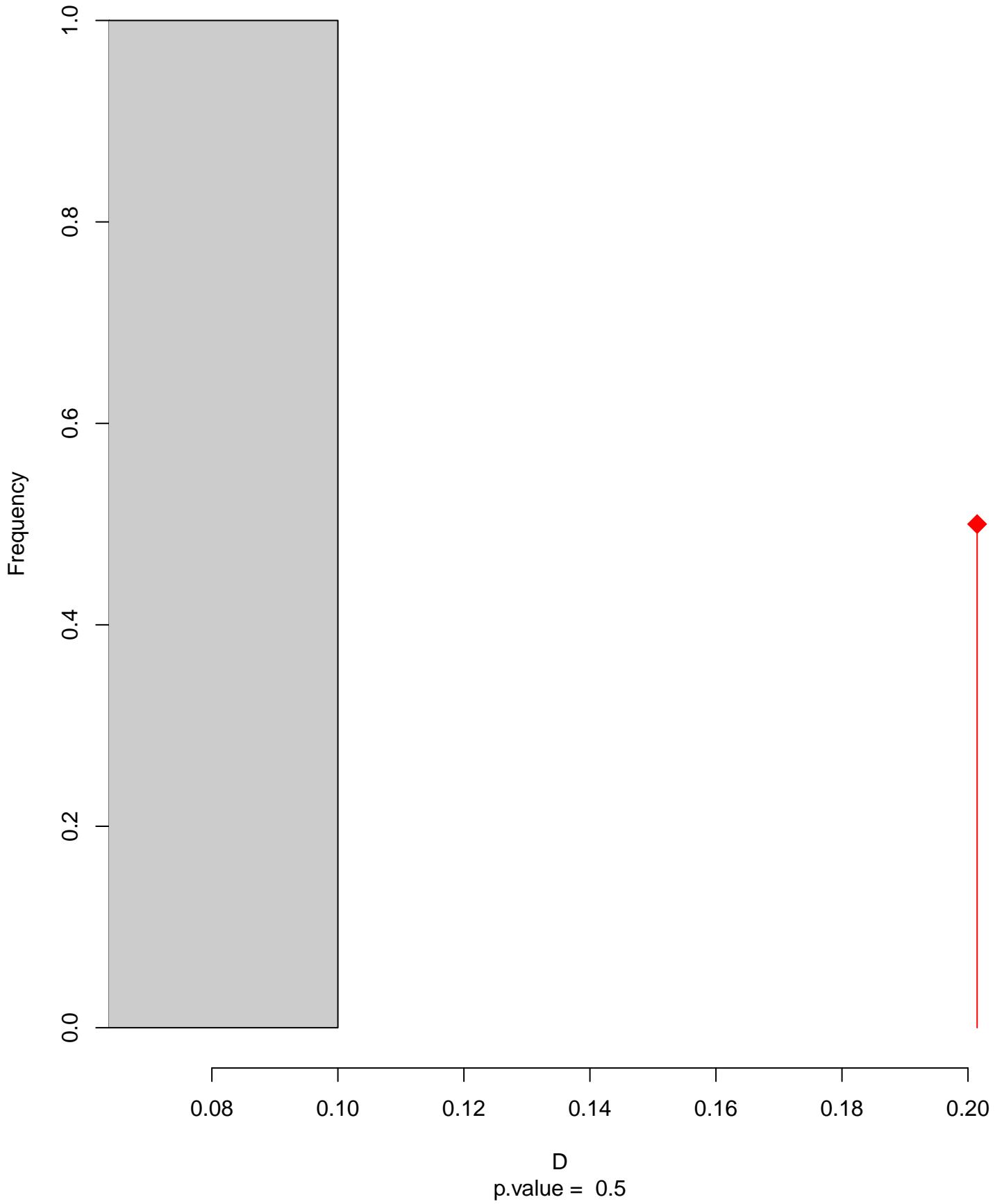
Equivalency



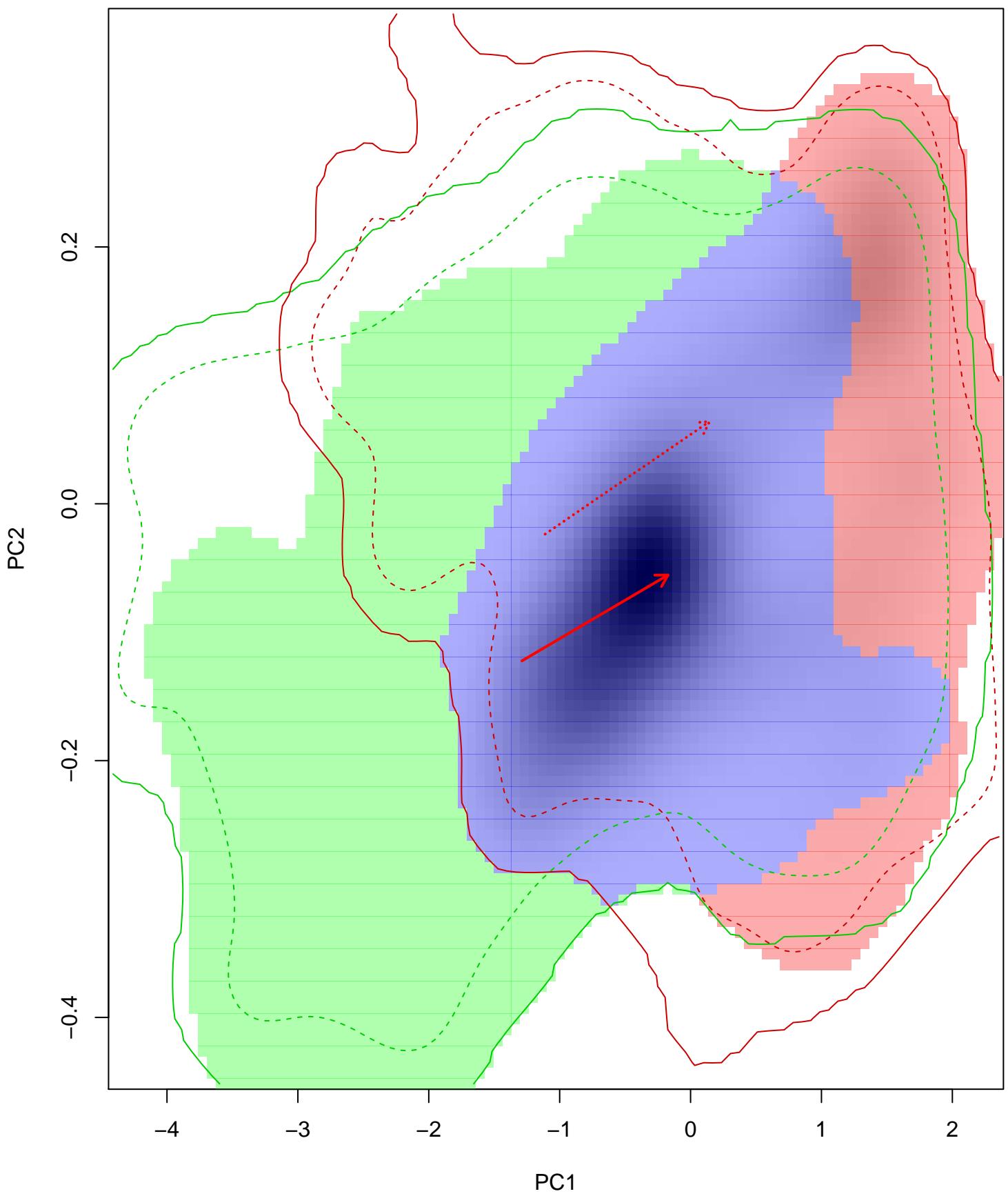
Similarity 2->1



Similarity 1→2

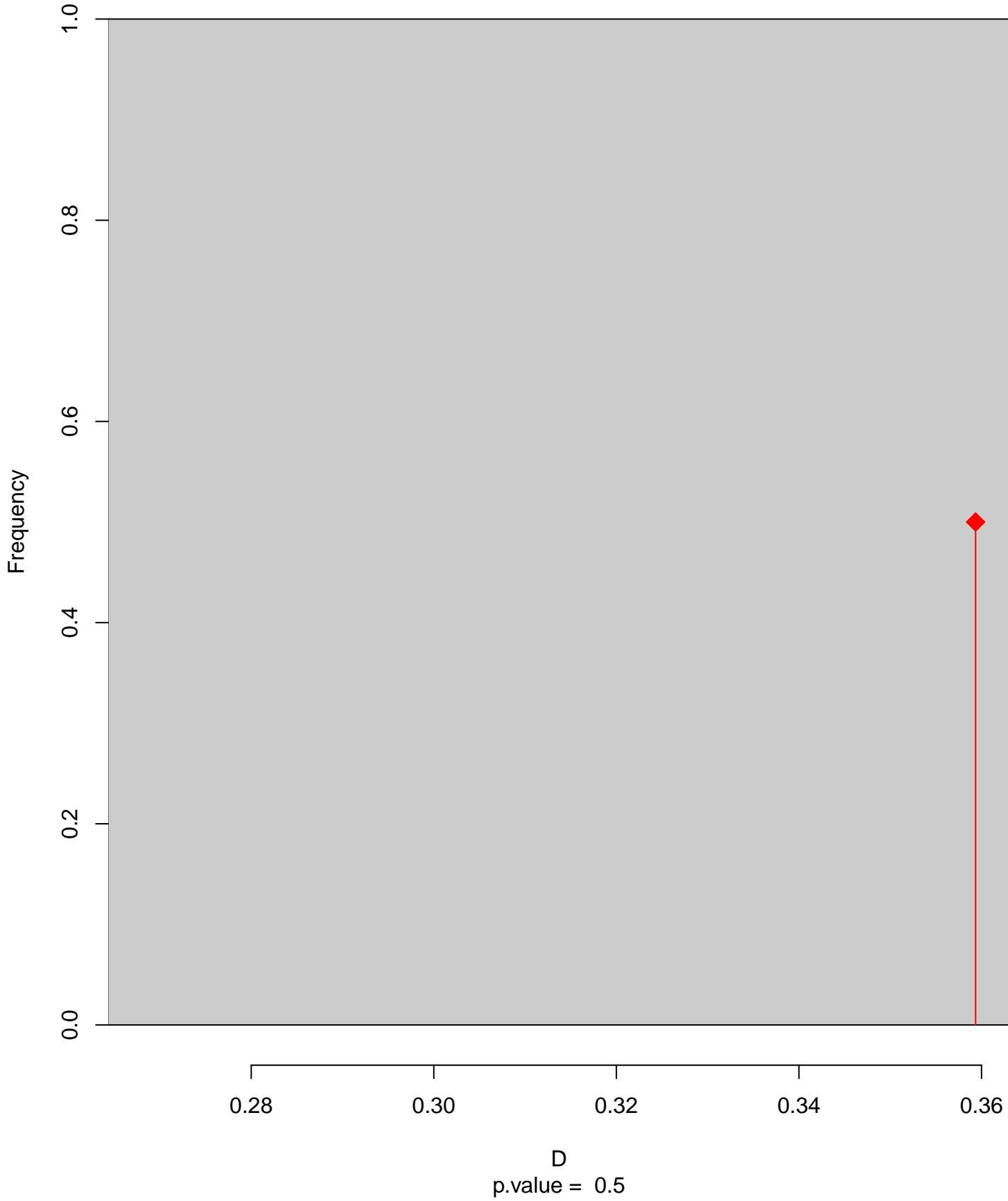


Riparia_diluta seasonal overlap

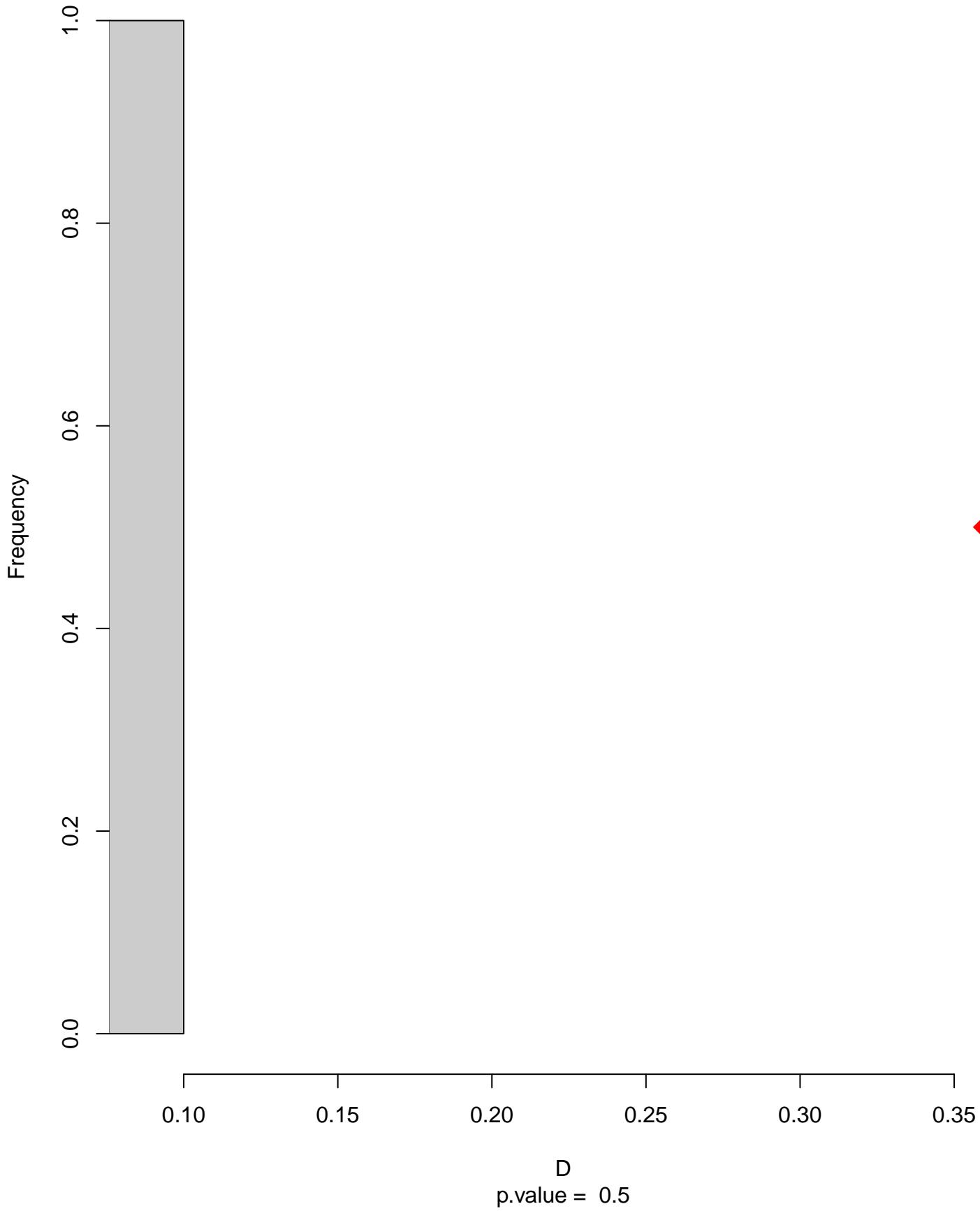


niche overlap:
 $D = 0.359$

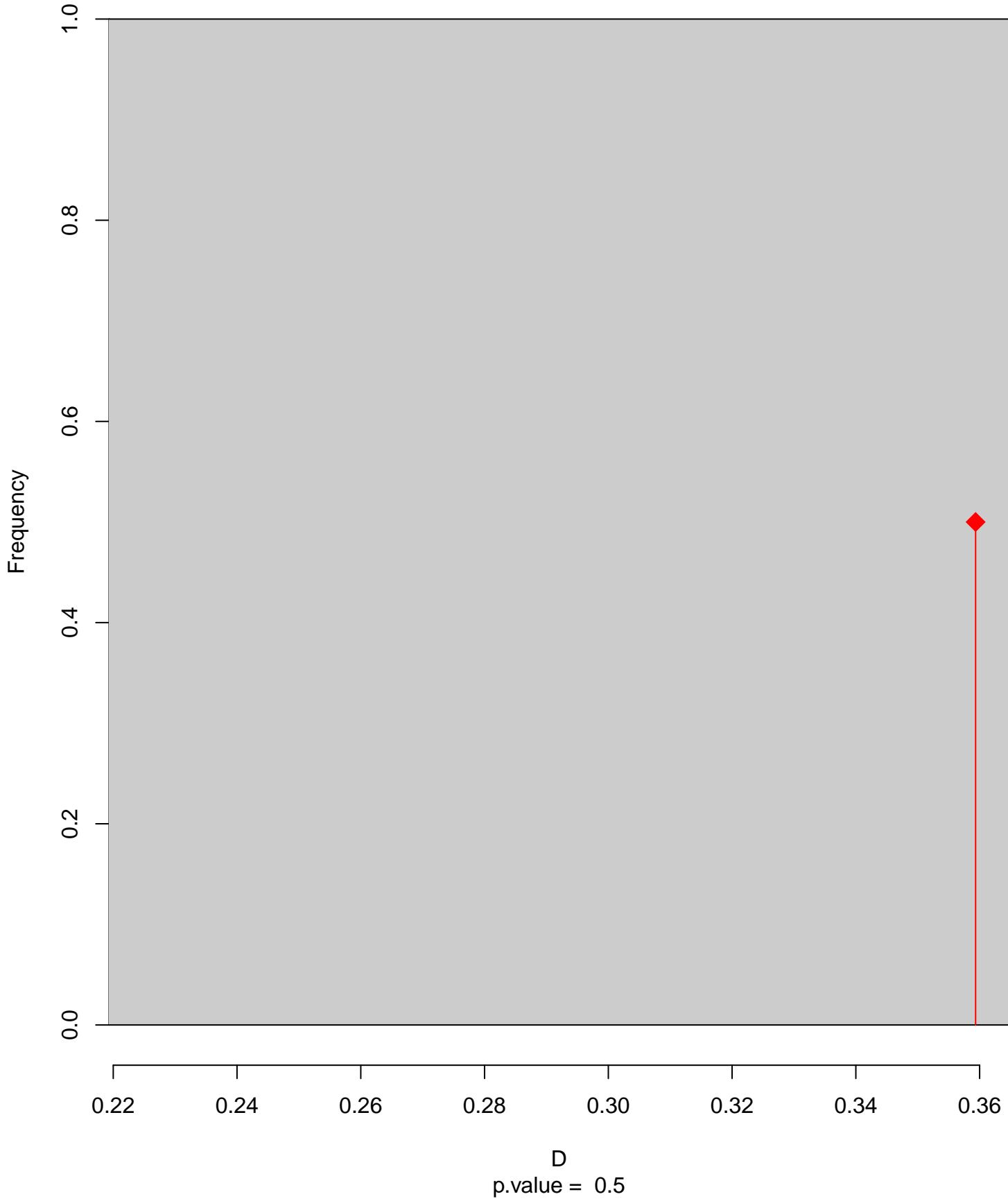
Equivalency



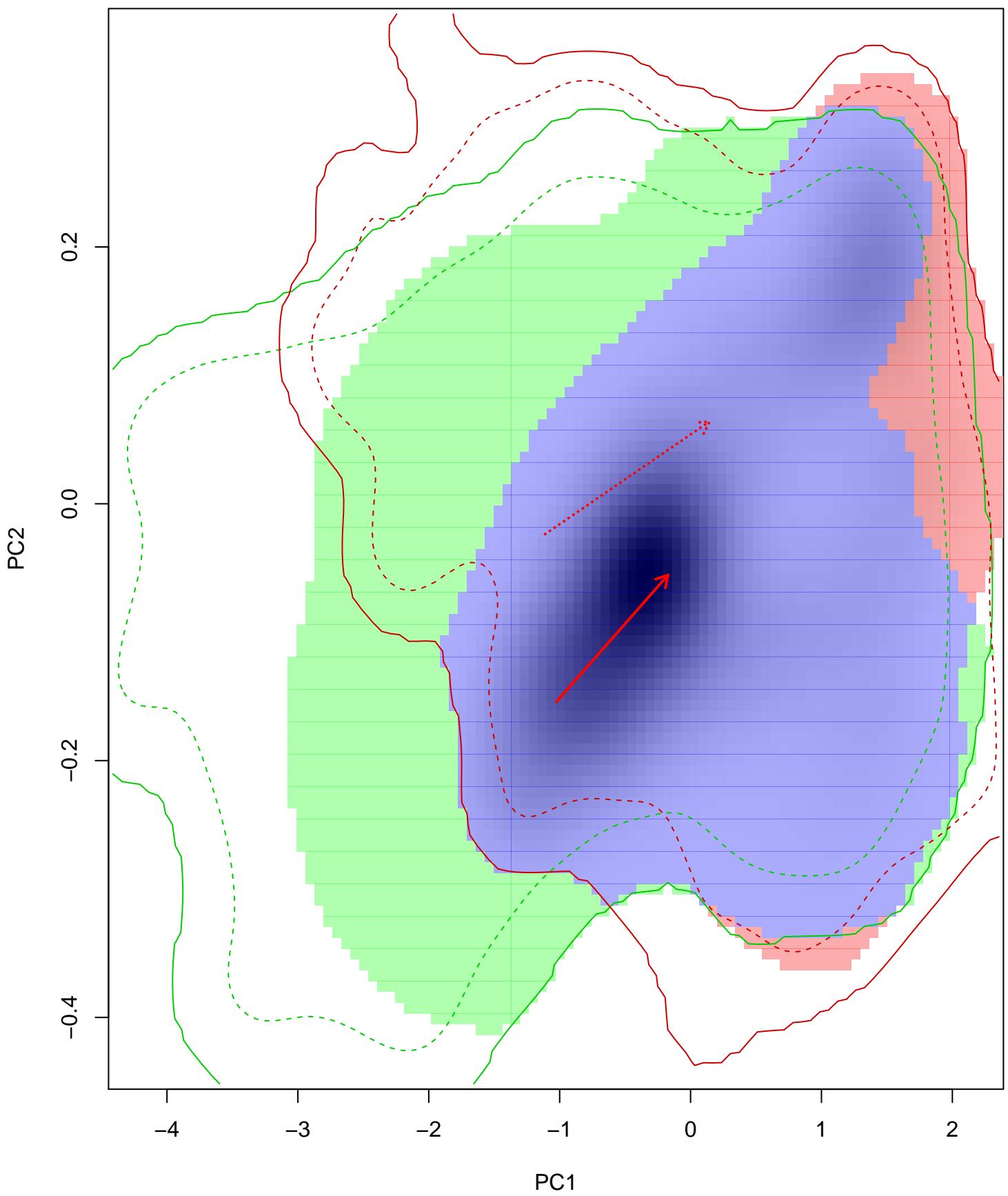
Similarity 2->1



Similarity 1→2

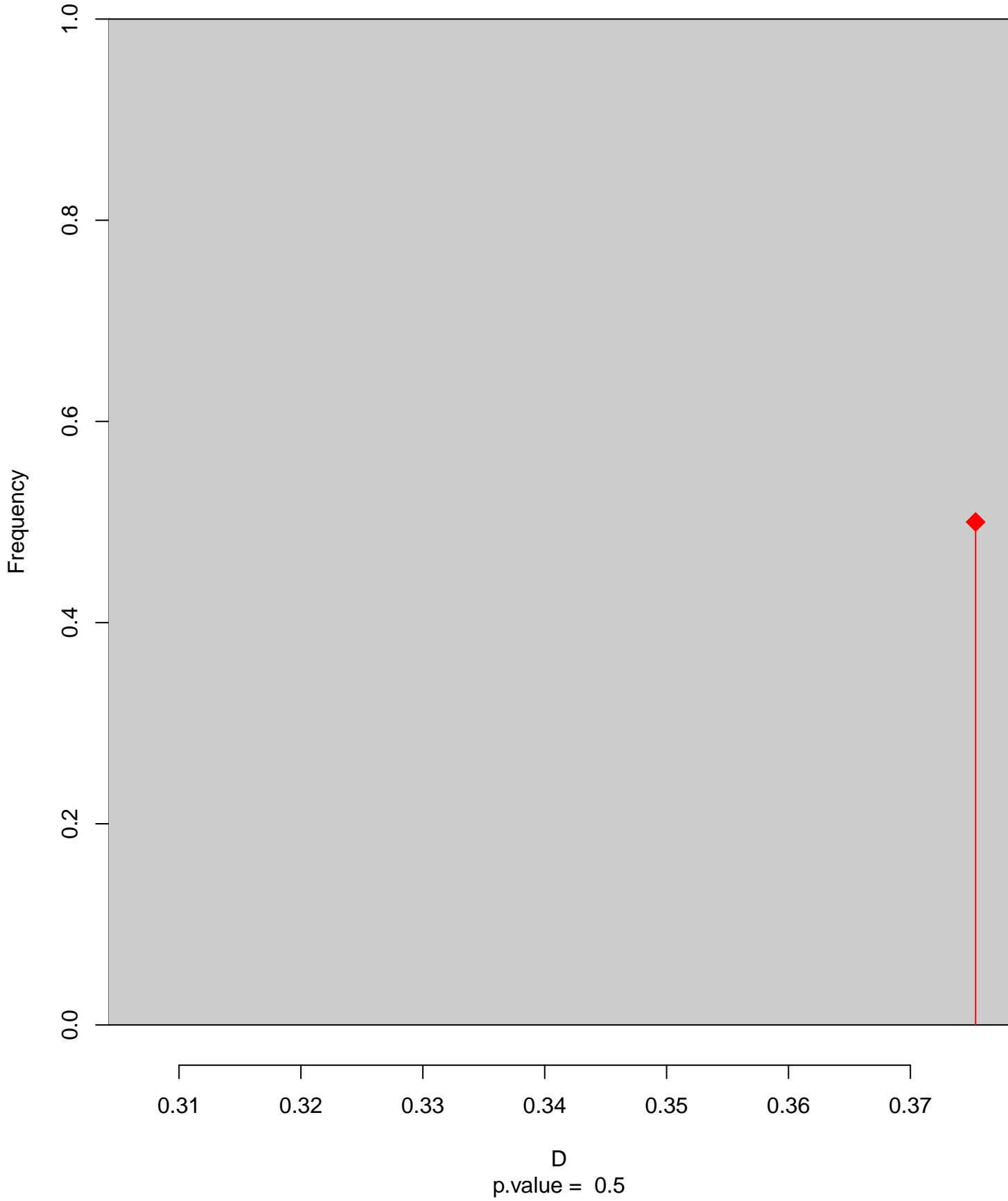


Riparia_diluta seasonal overlap-hypo.br

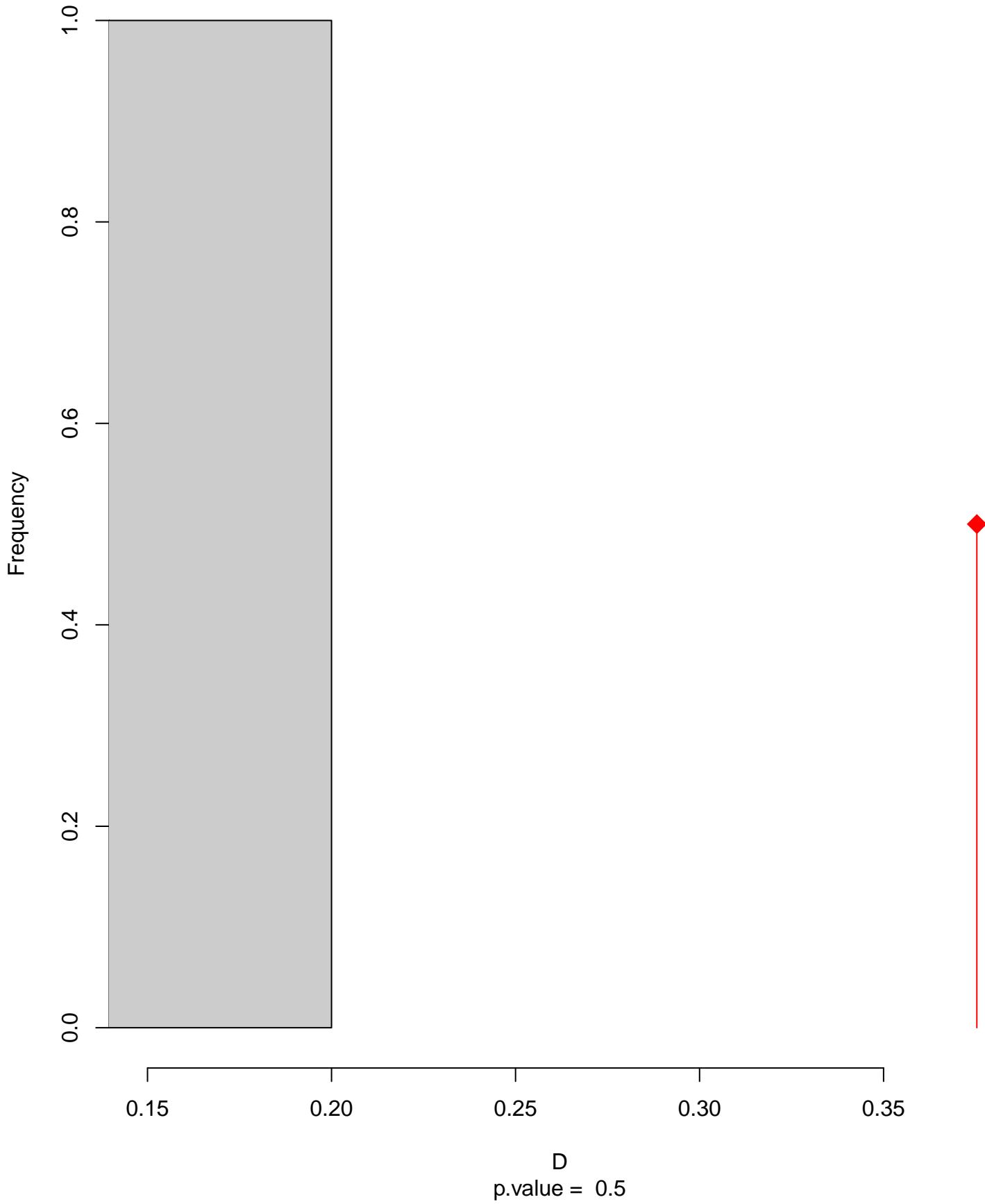


niche overlap:
 $D = 0.375$

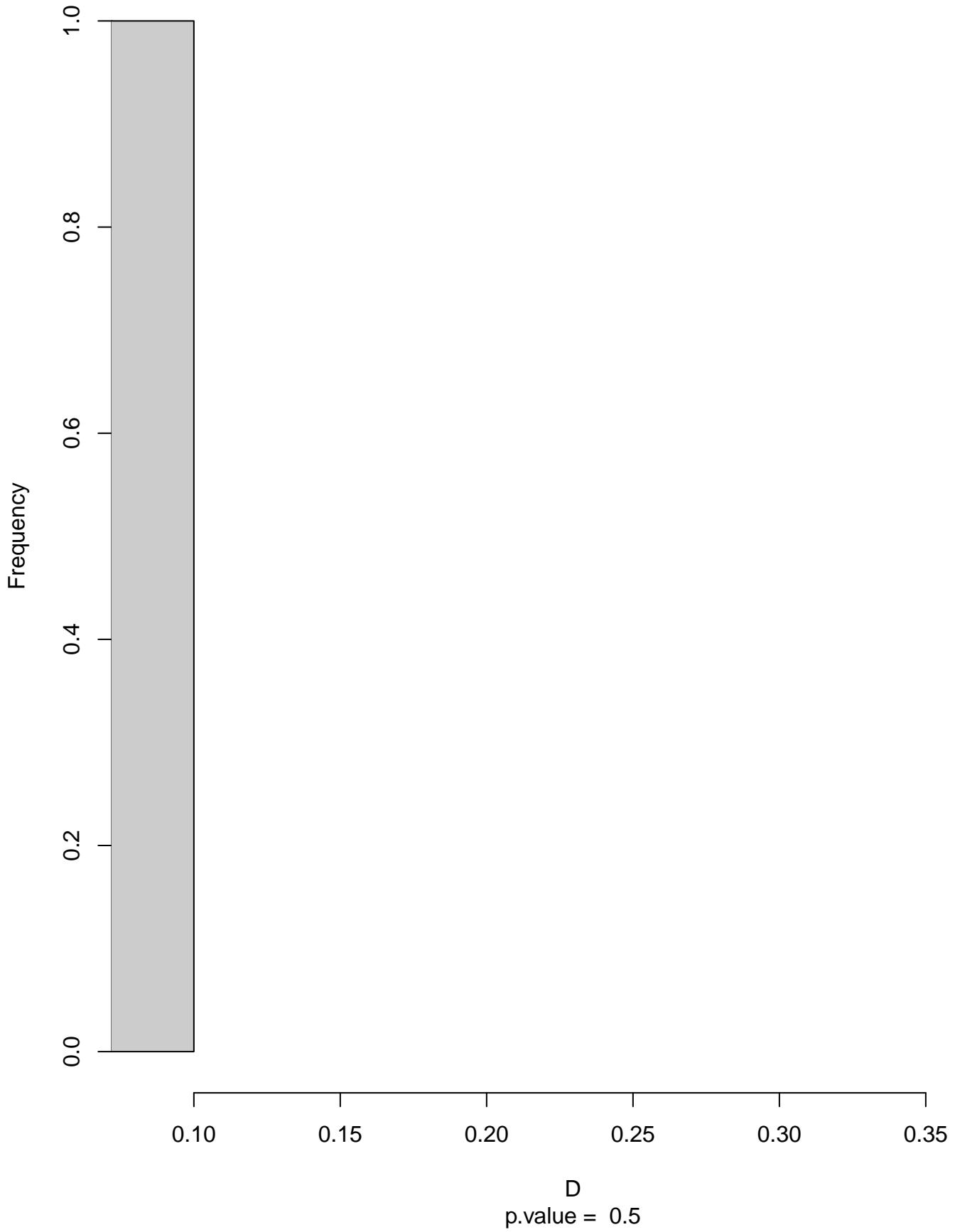
Equivalency



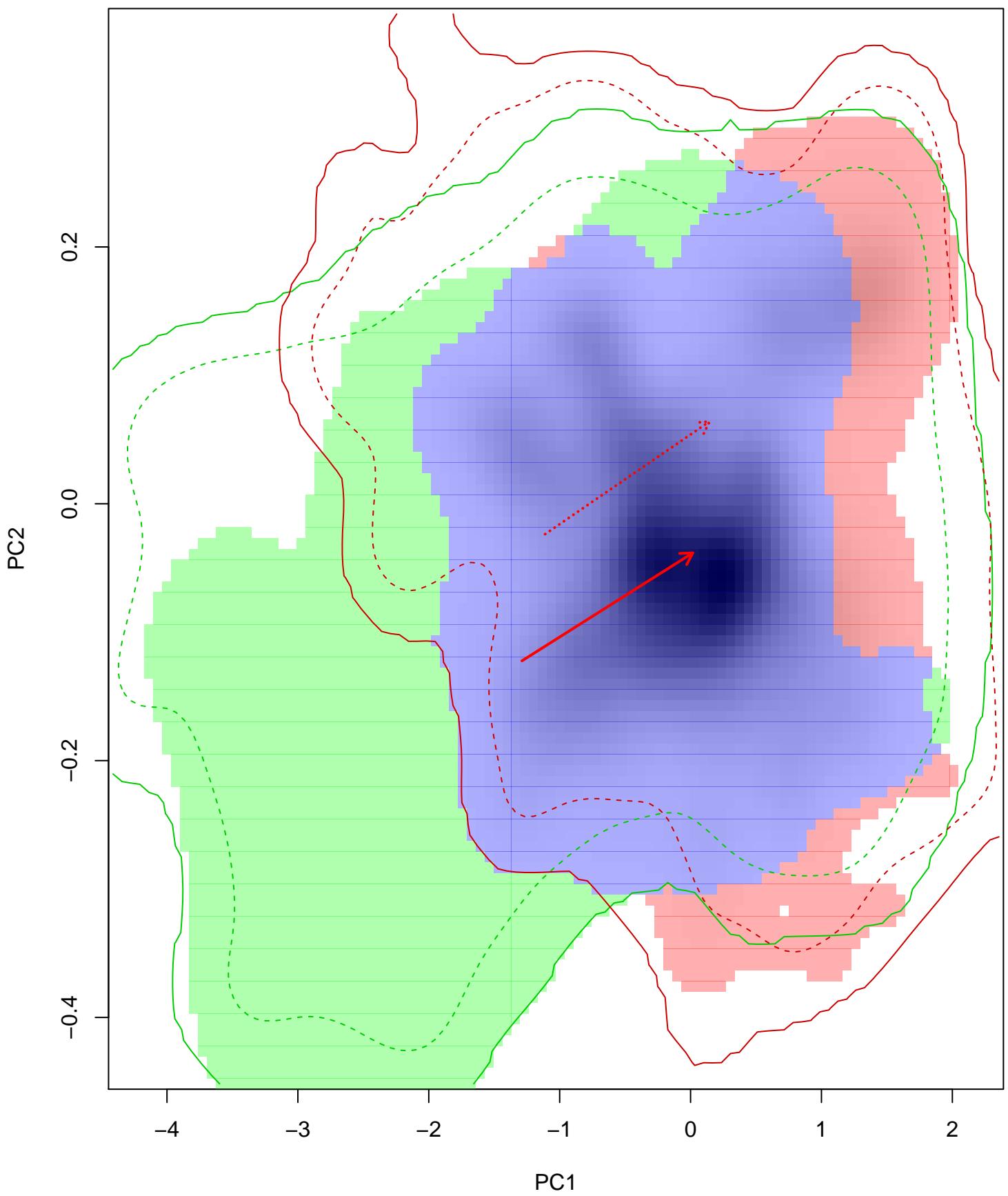
Similarity 2->1



Similarity 1→2

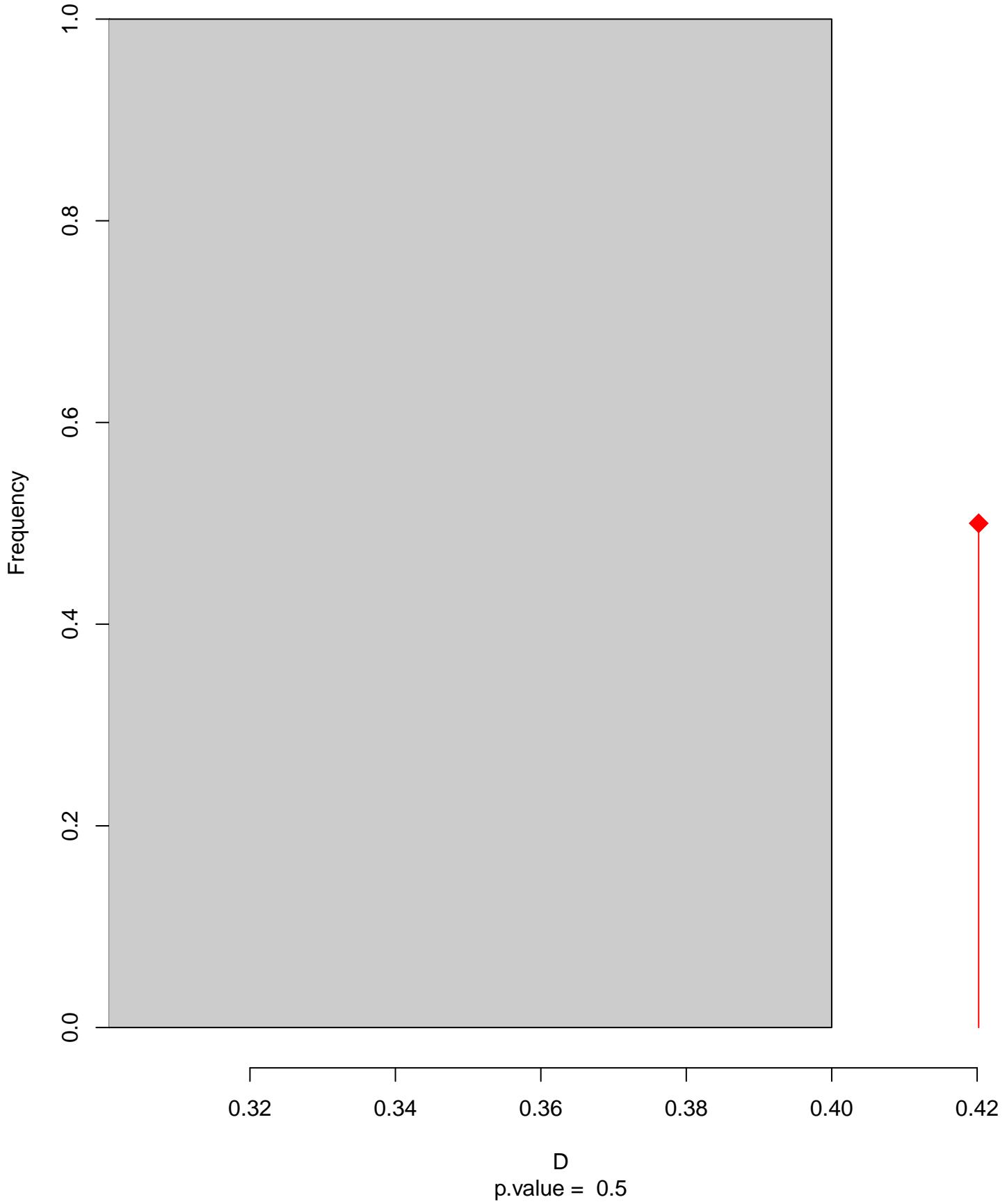


Riparia_diluta seasonal overlap-hypo wi

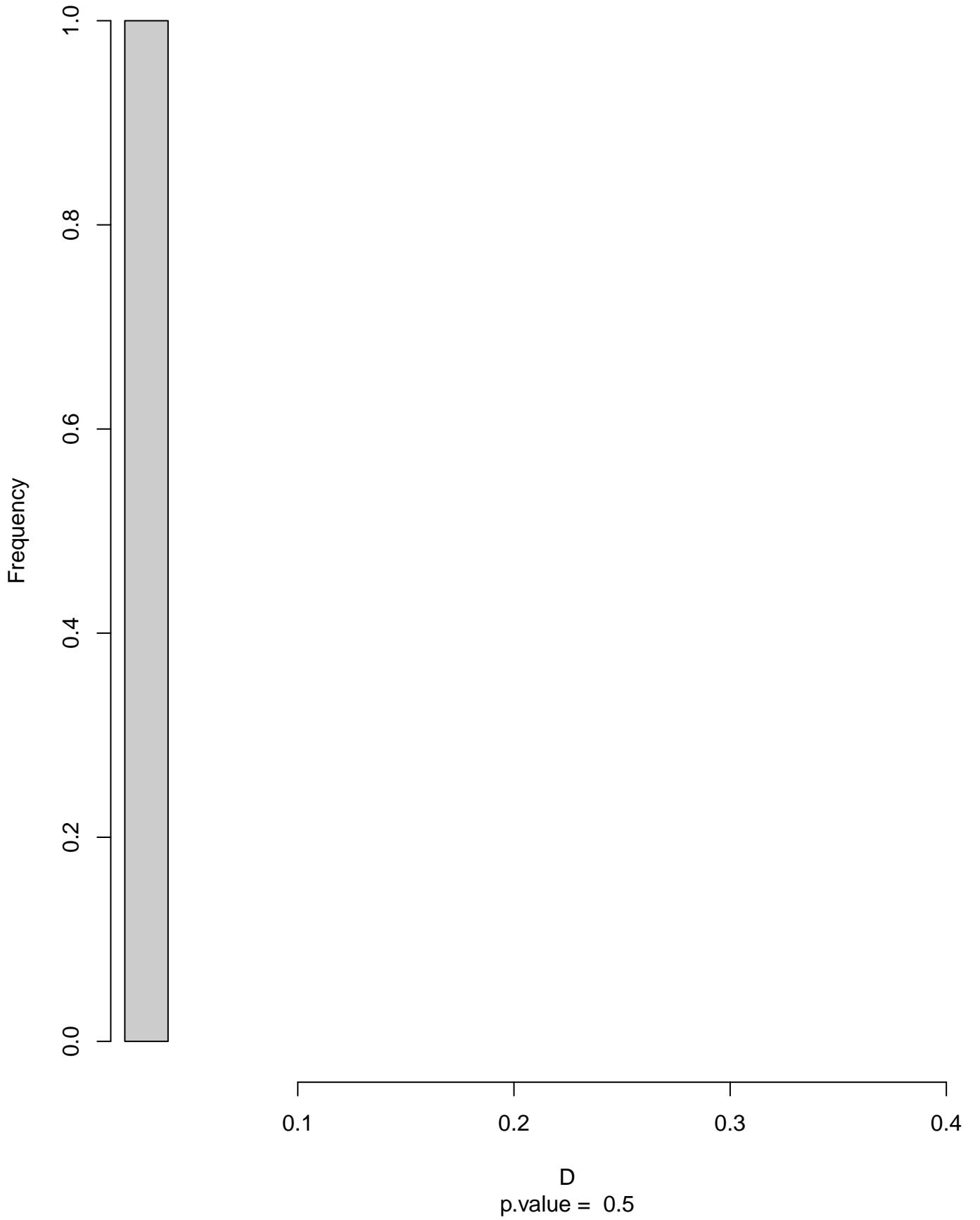


niche overlap:
 $D = 0.42$

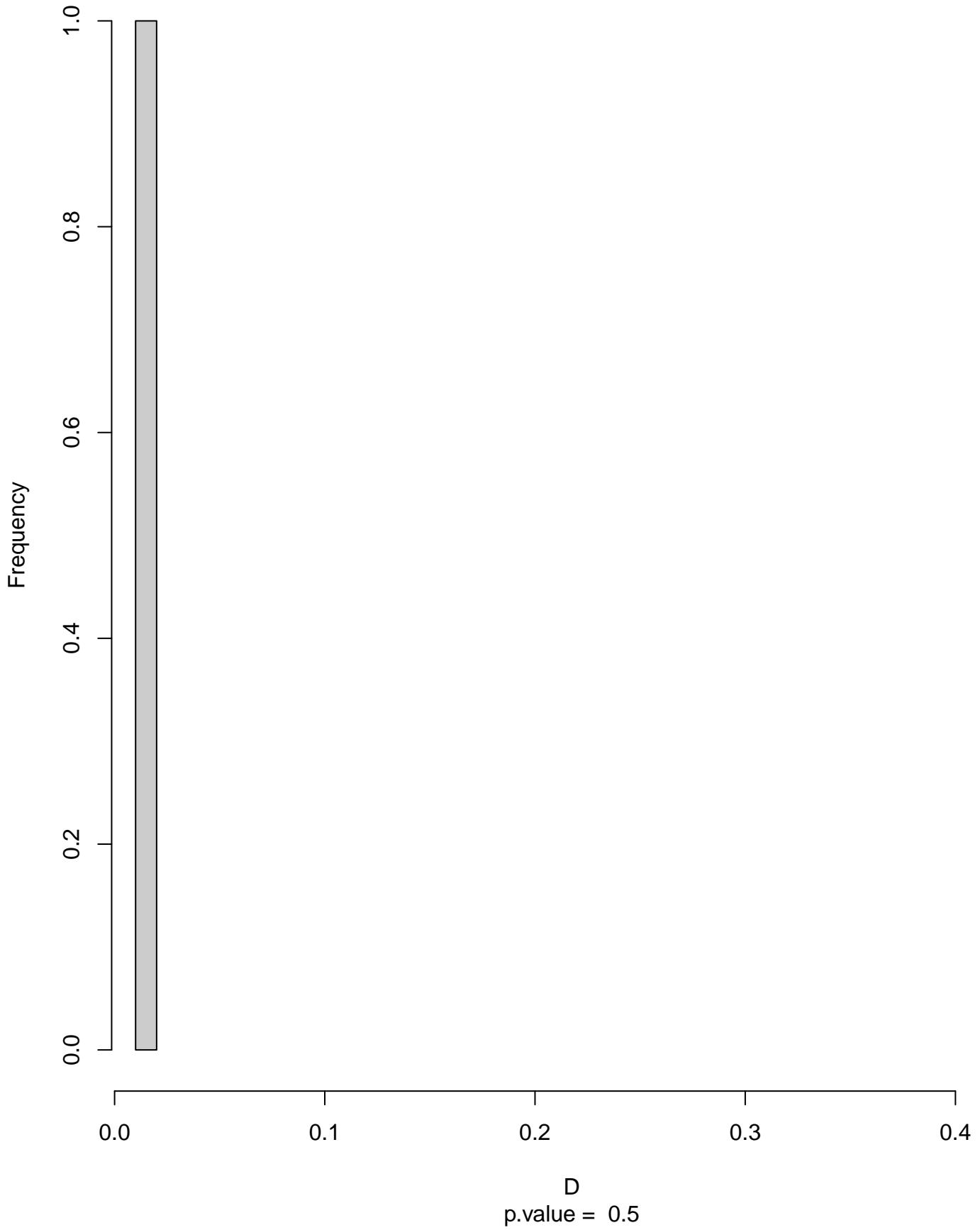
Equivalency



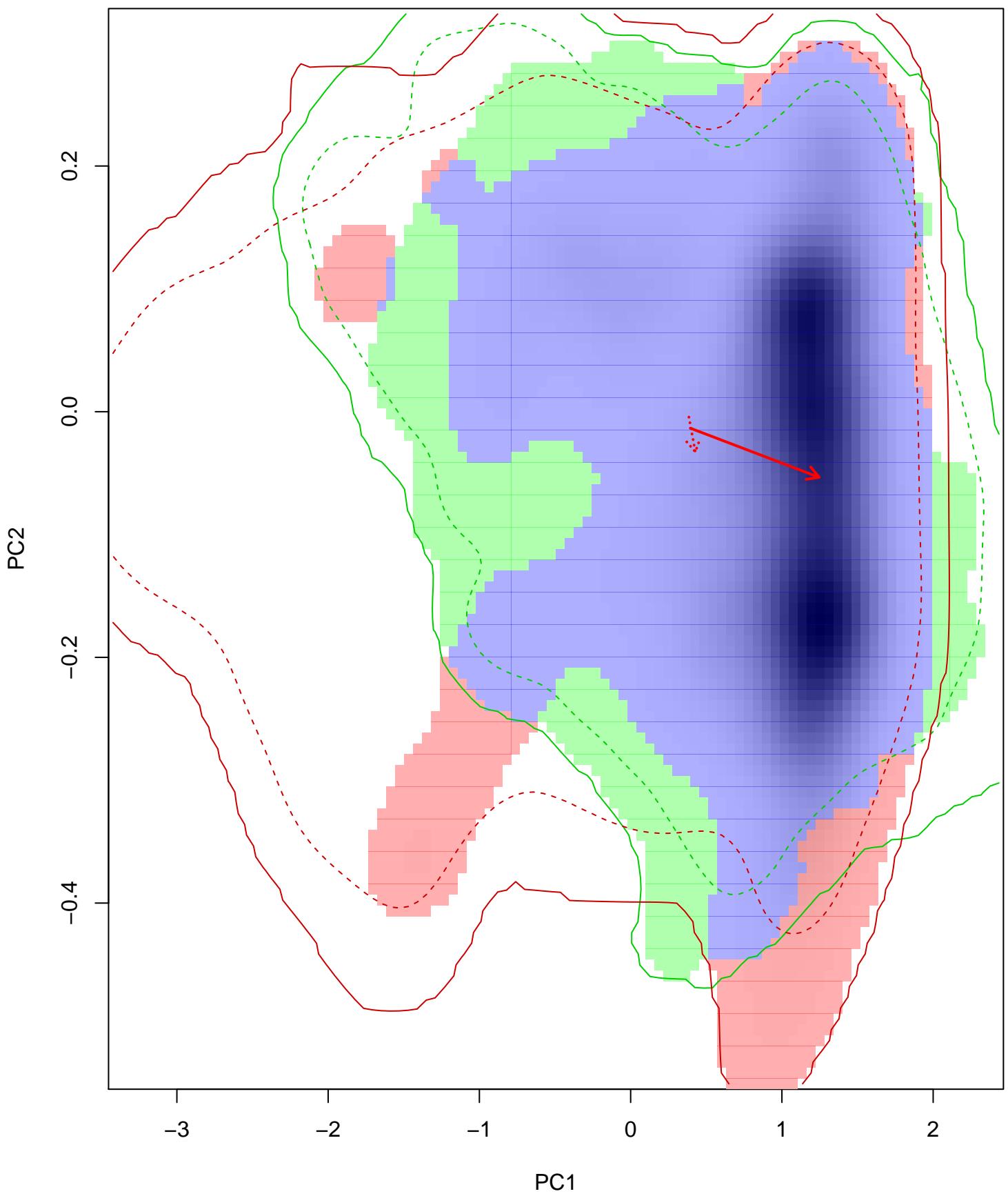
Similarity 2->1



Similarity 1→2

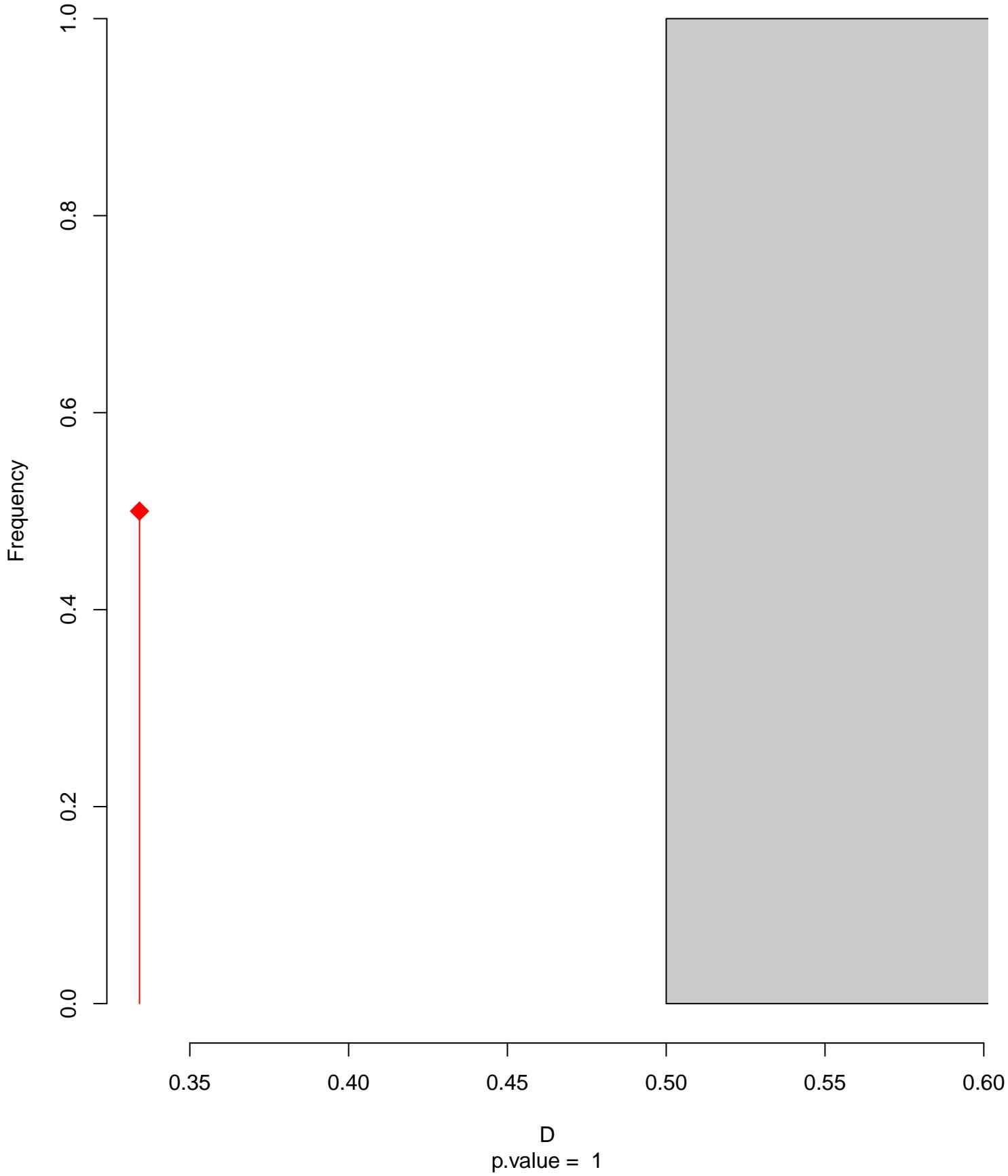


Riparia_riparia seasonal overlap

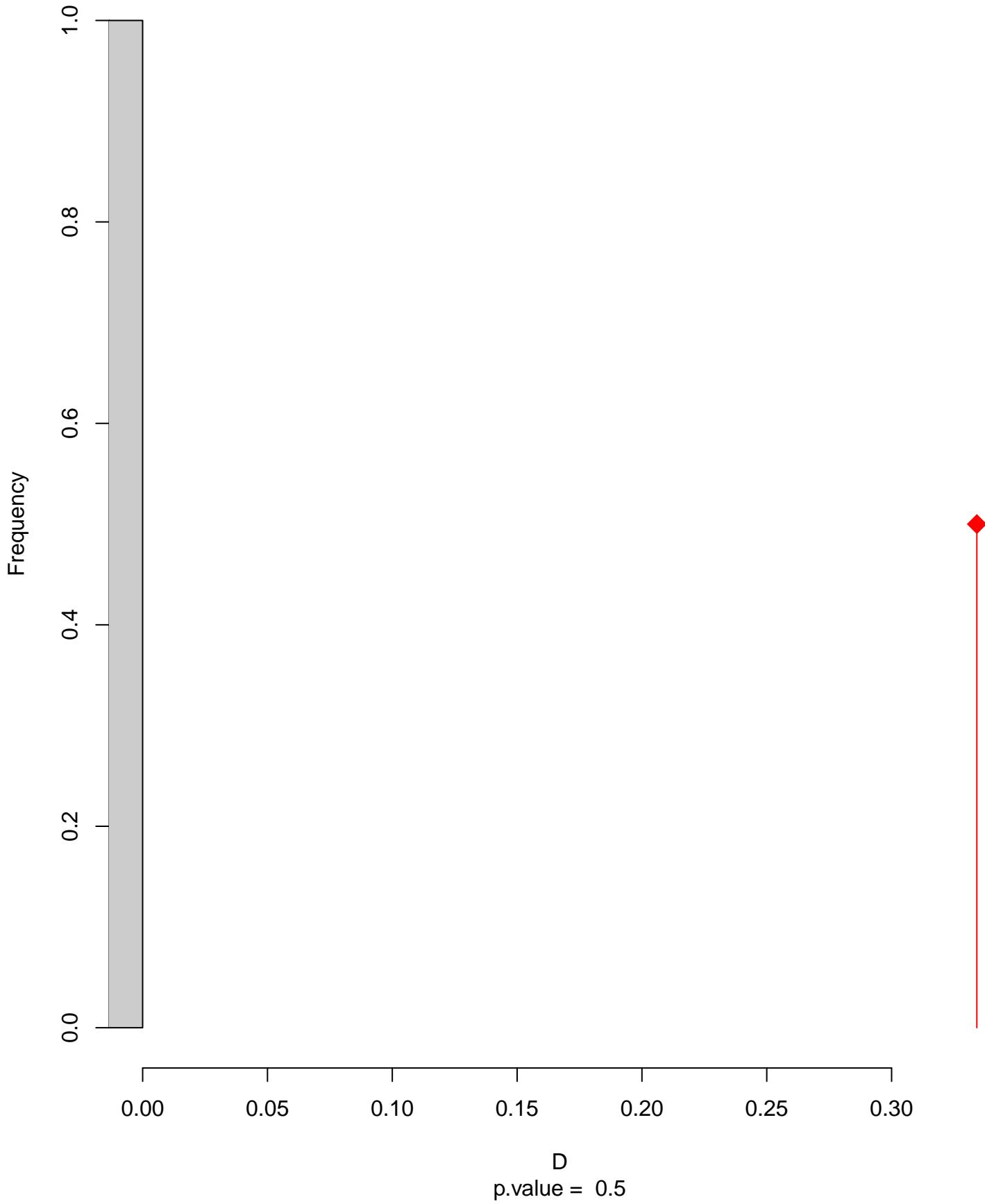


niche overlap:
 $D = 0.334$

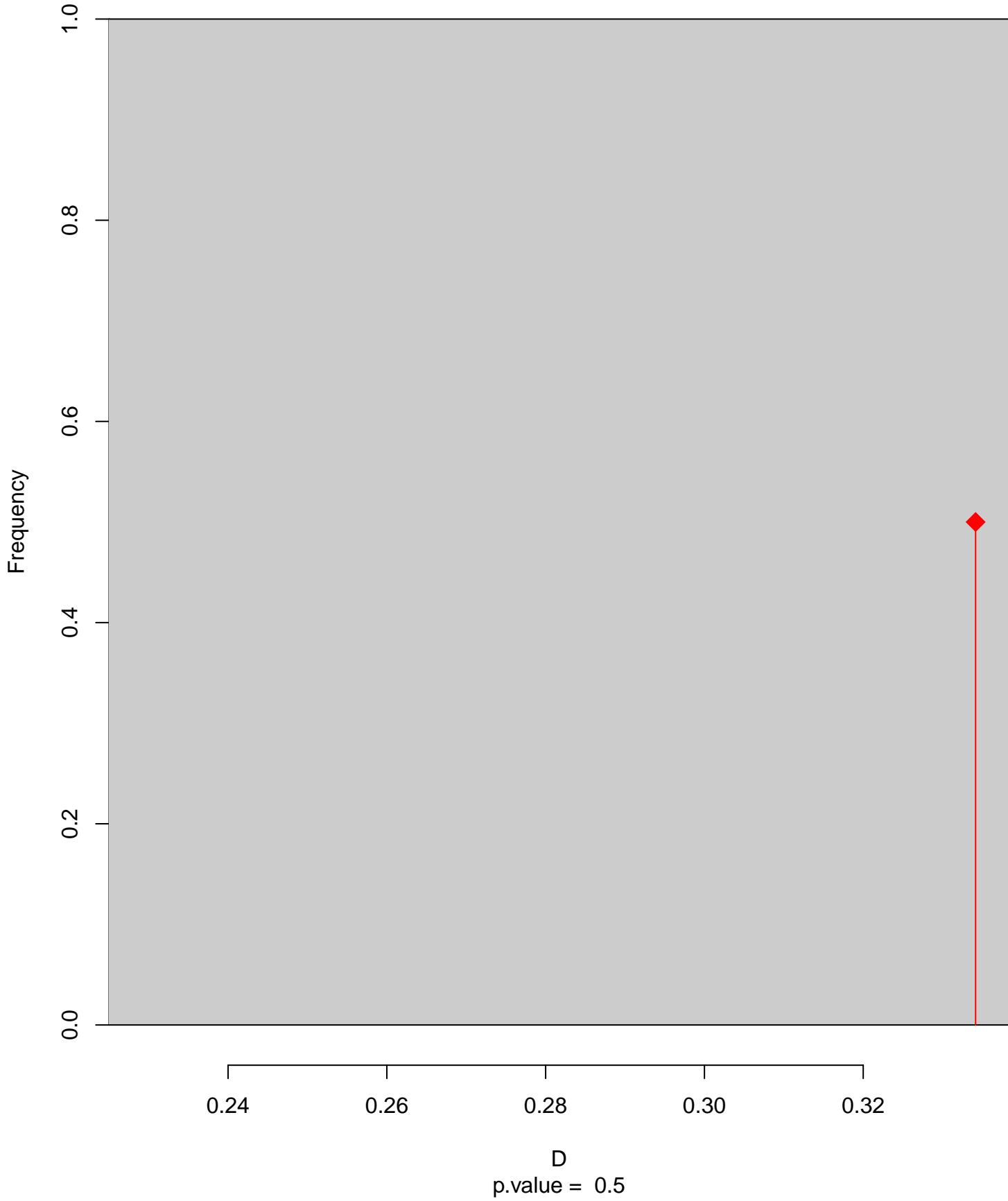
Equivalency



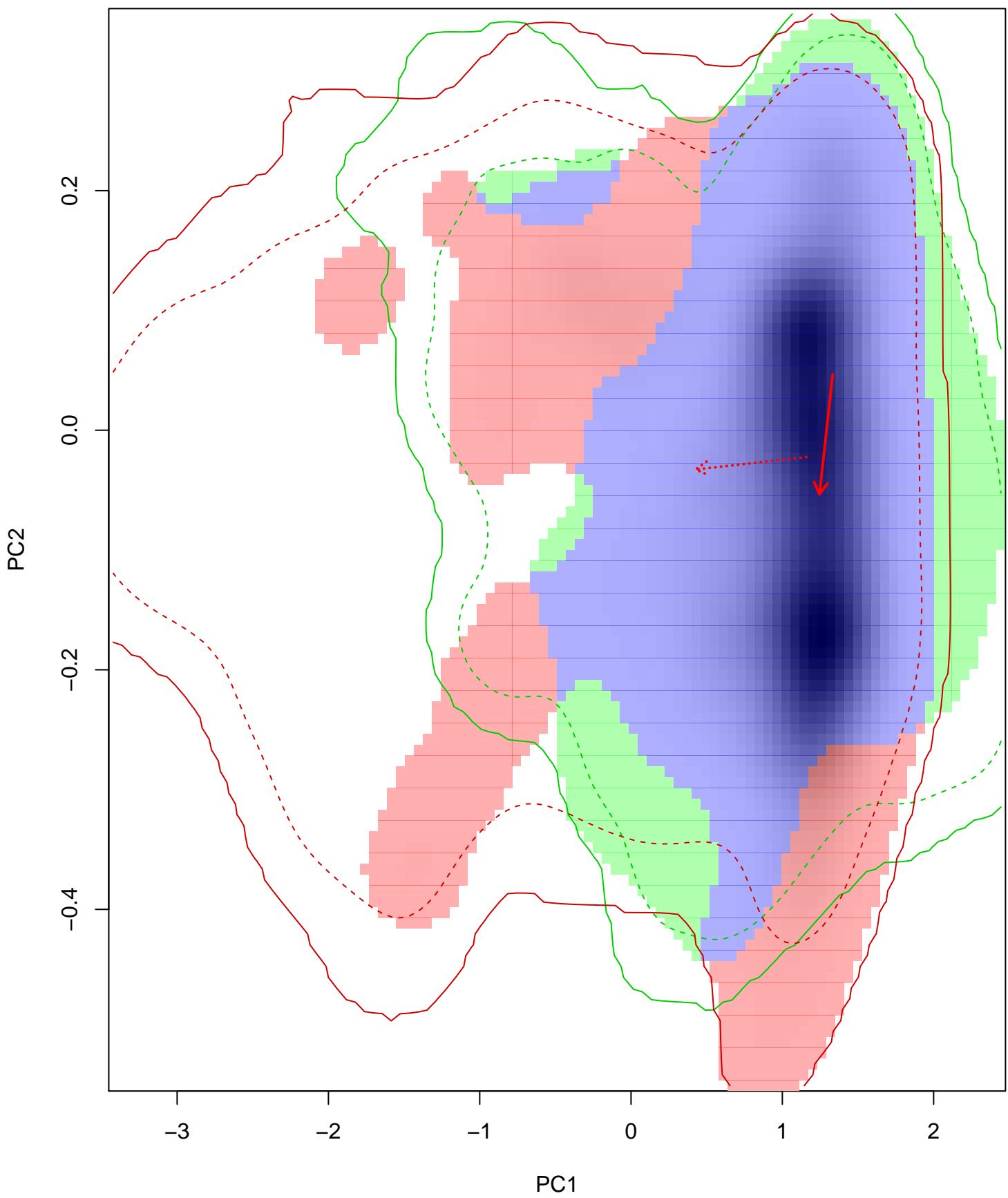
Similarity 2->1



Similarity 1→2

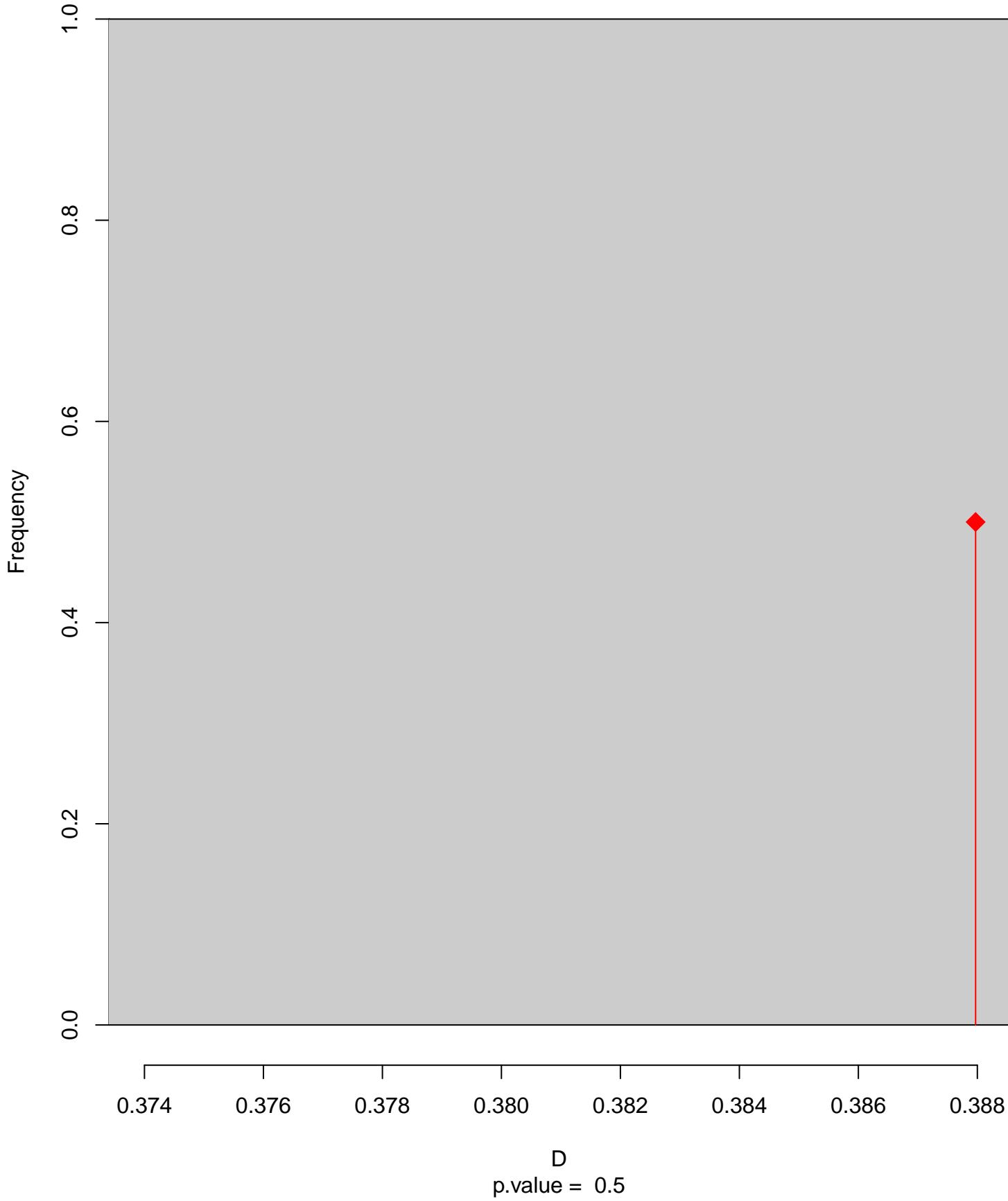


Riparia_riparia seasonal overlap-hypo.br

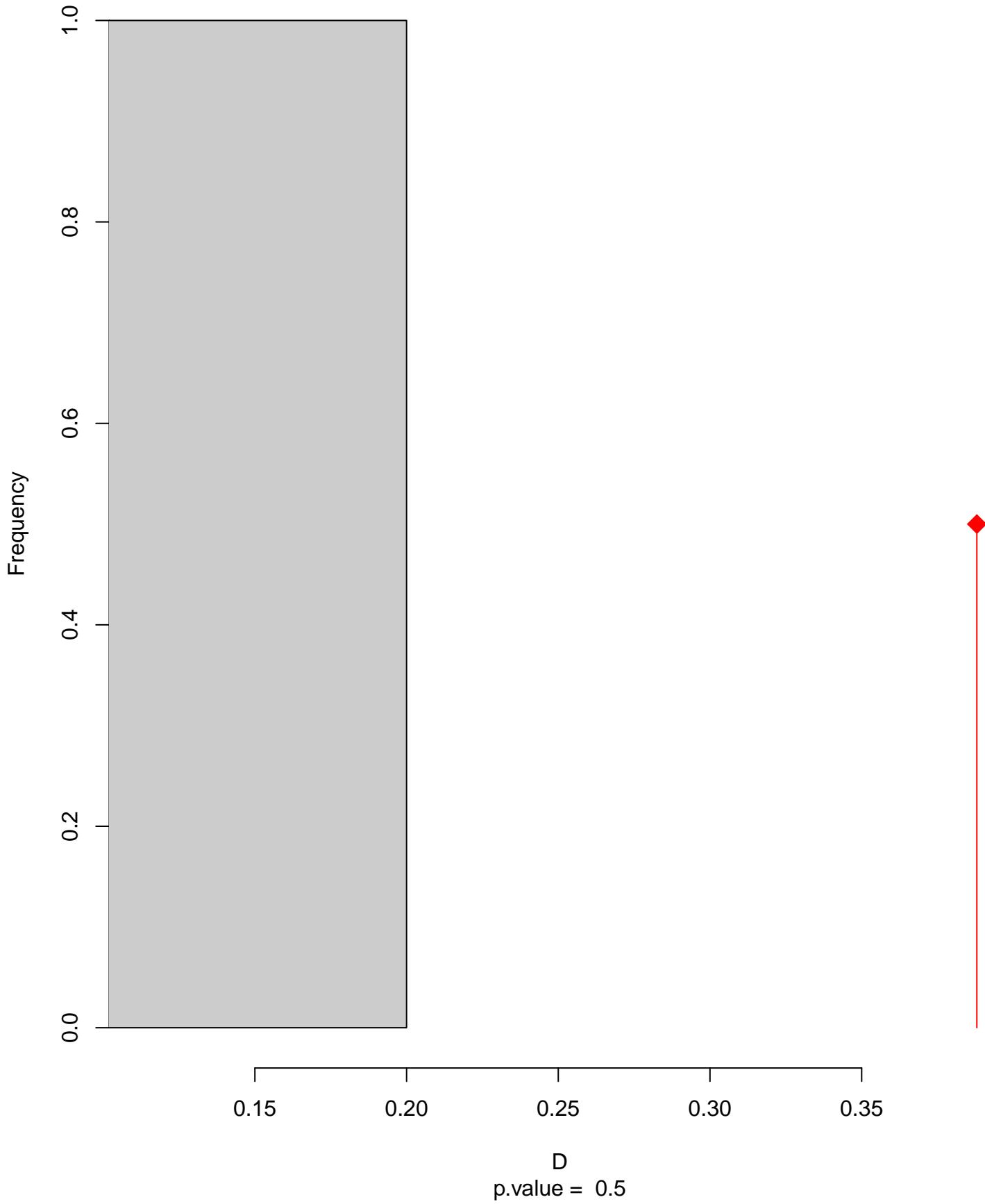


niche overlap:
 $D = 0.388$

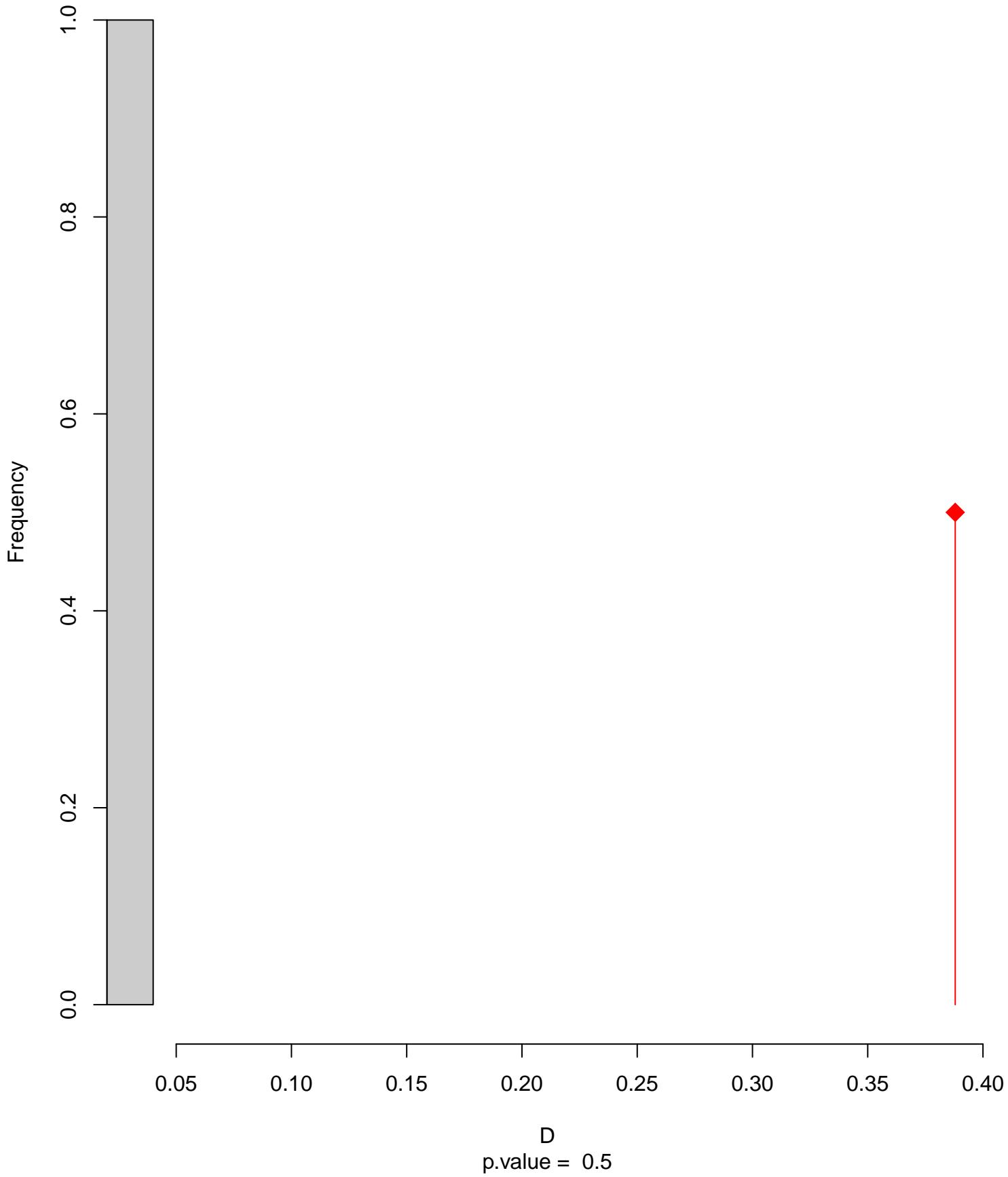
Equivalency



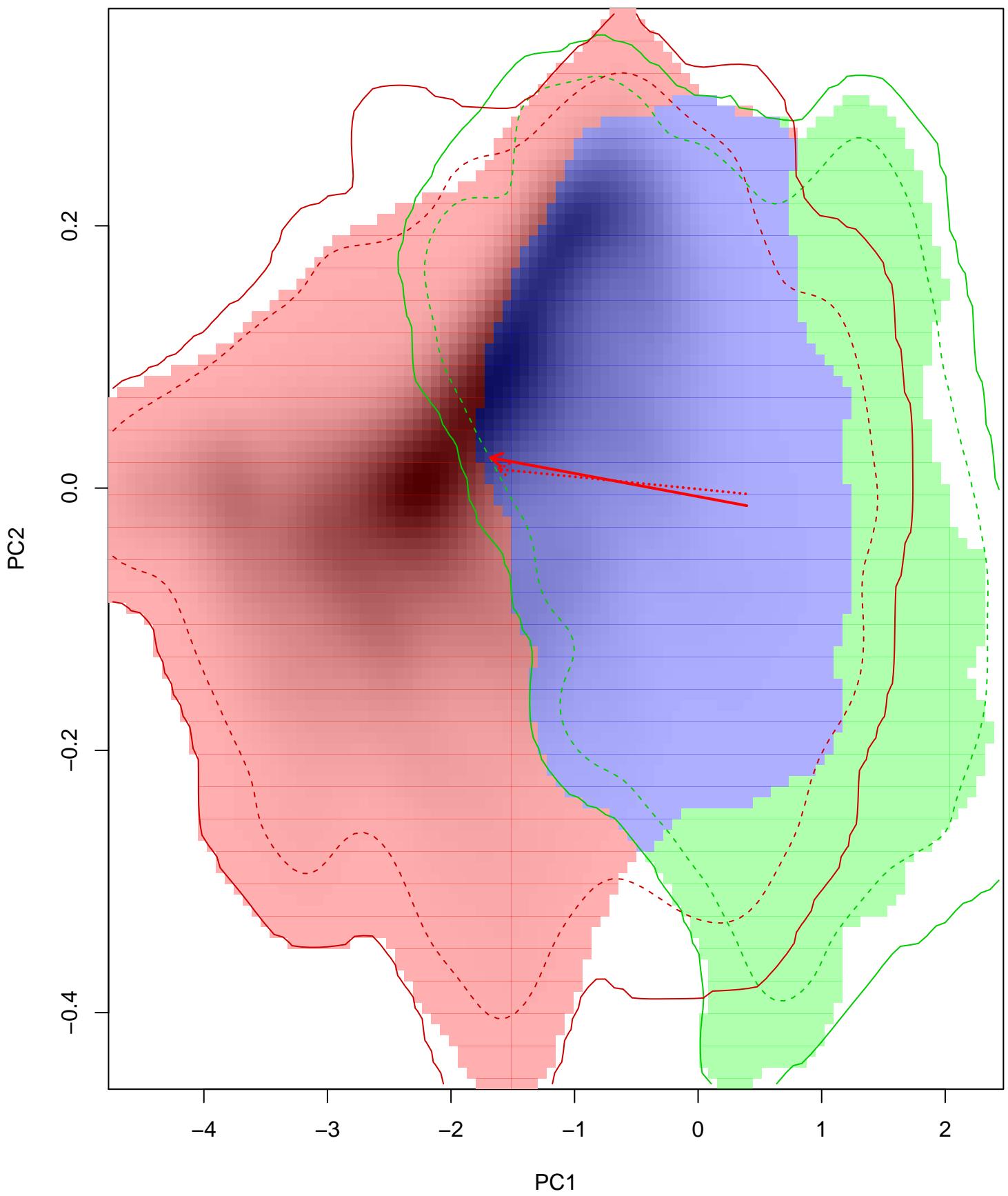
Similarity 2->1



Similarity 1→2

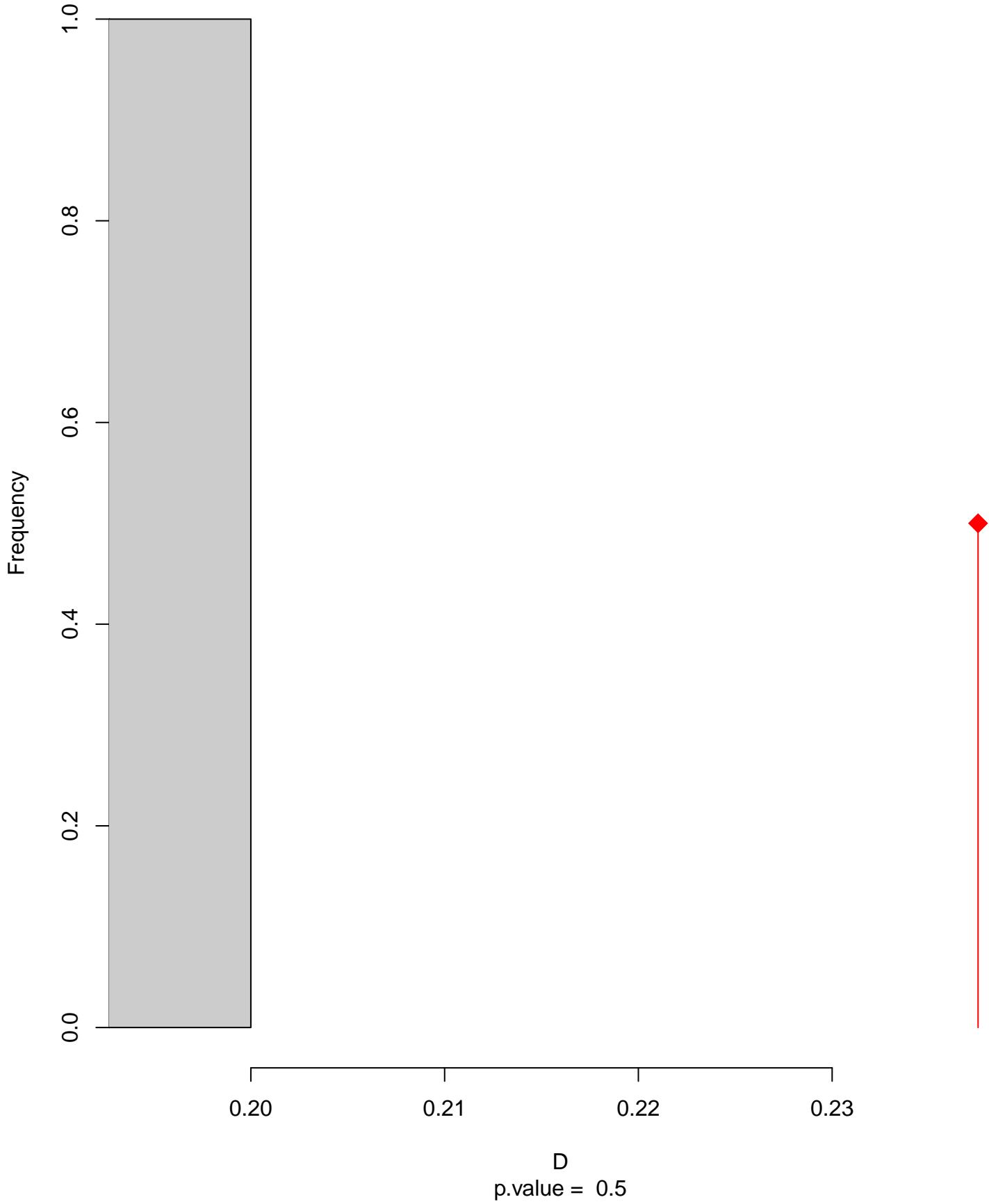


Riparia_riparia seasonal overlap-hypo wi

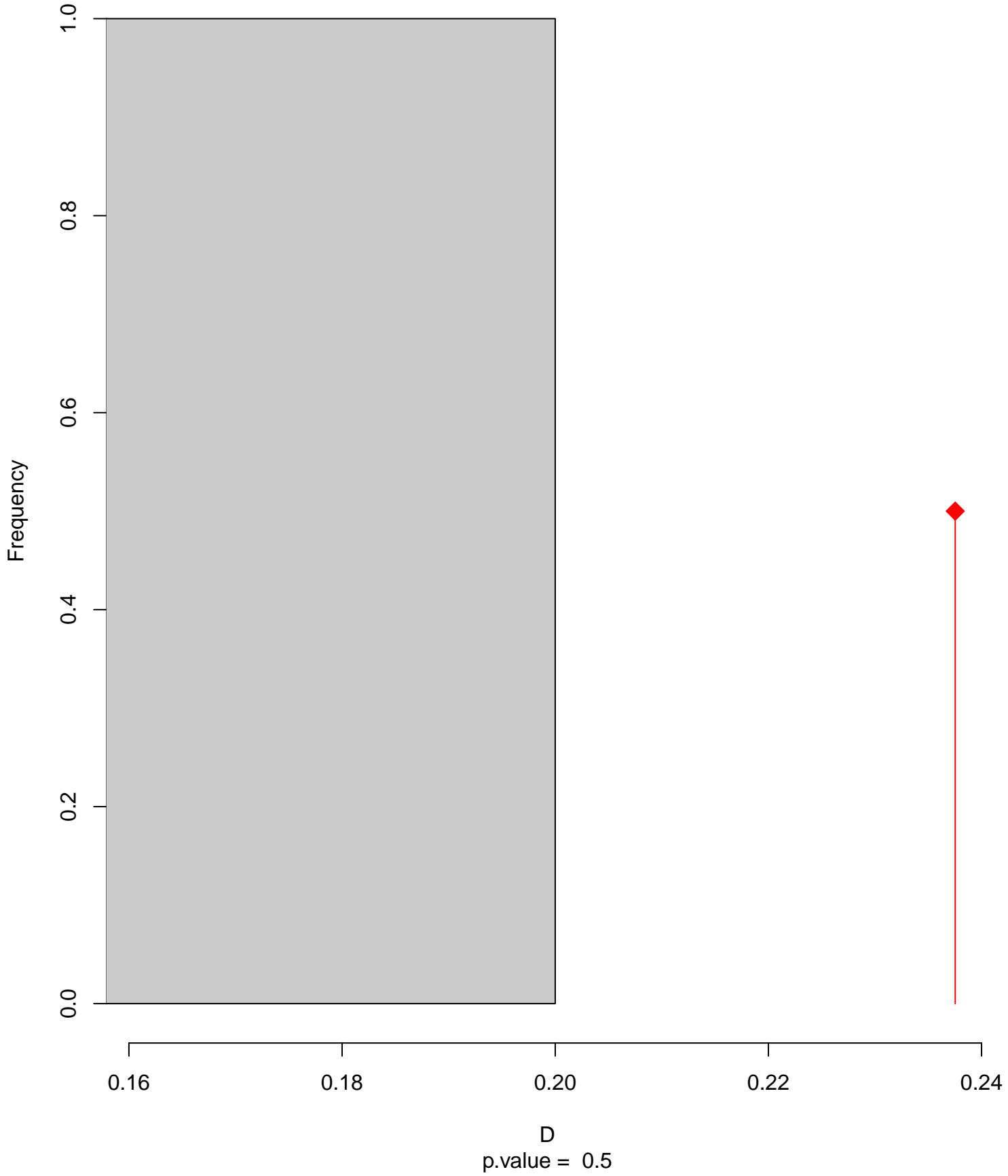


niche overlap:
 $D = 0.238$

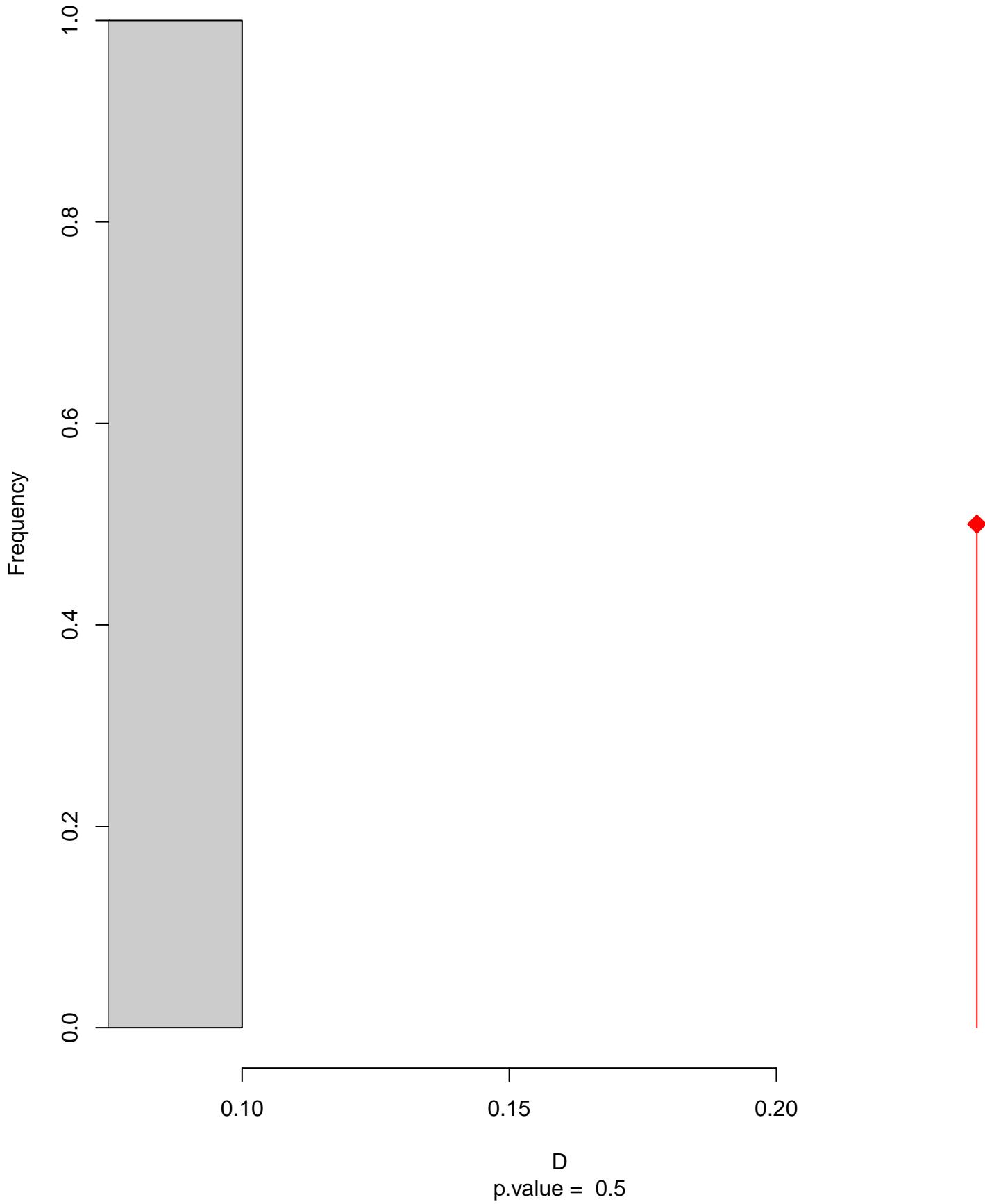
Equivalency



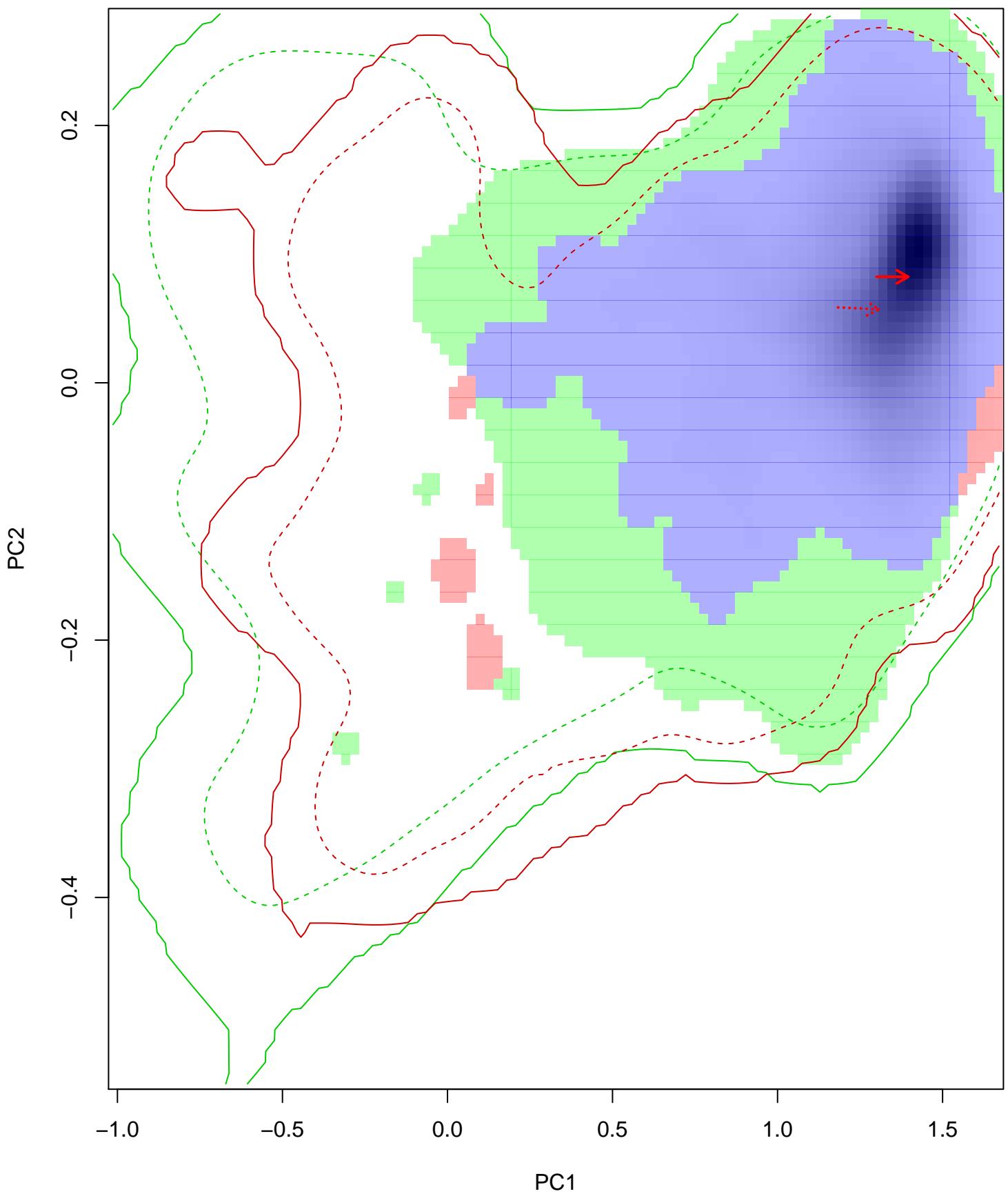
Similarity 2->1



Similarity 1→2

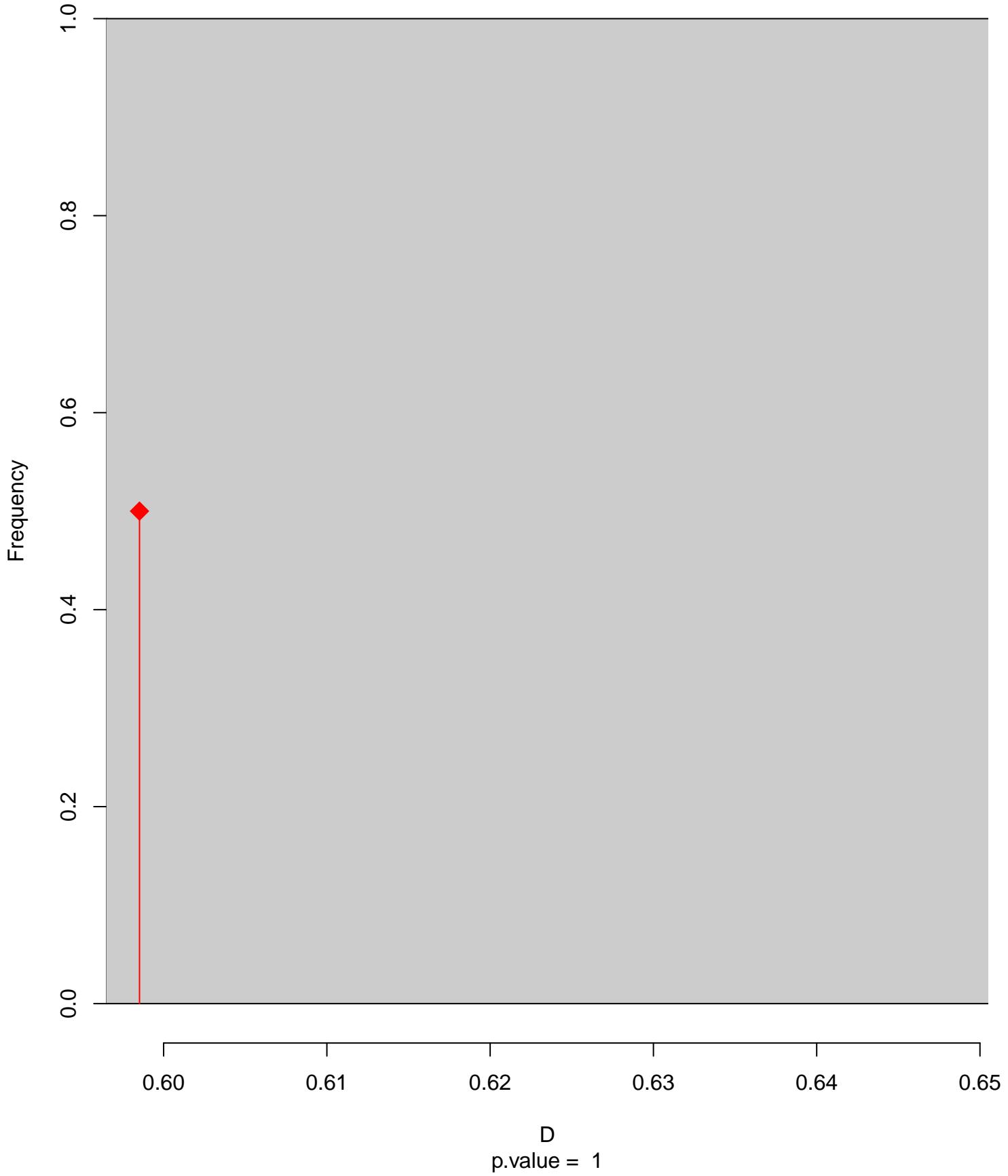


Stelgidopteryx_ruficollis seasonal overlap

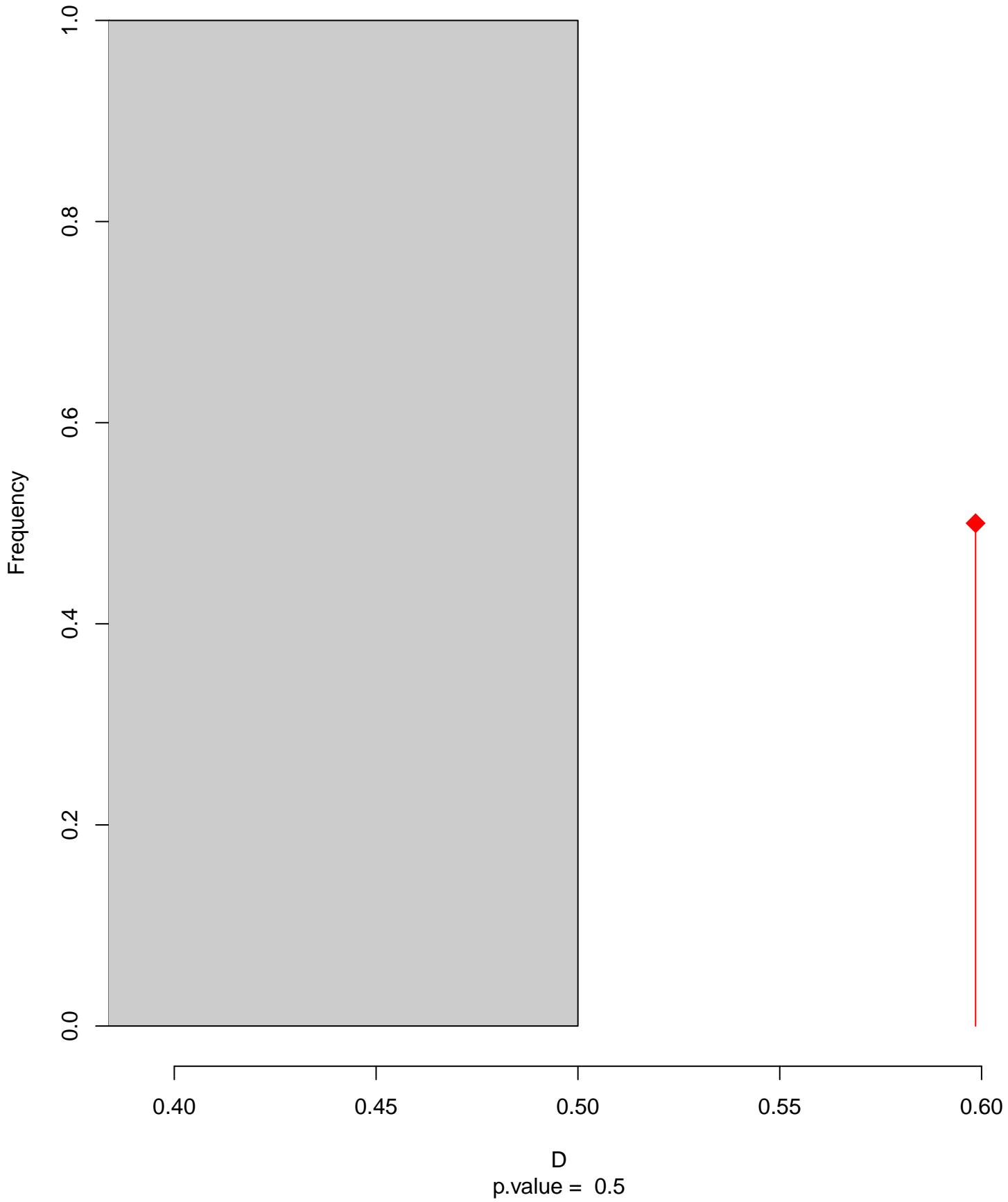


niche overlap:
 $D = 0.599$

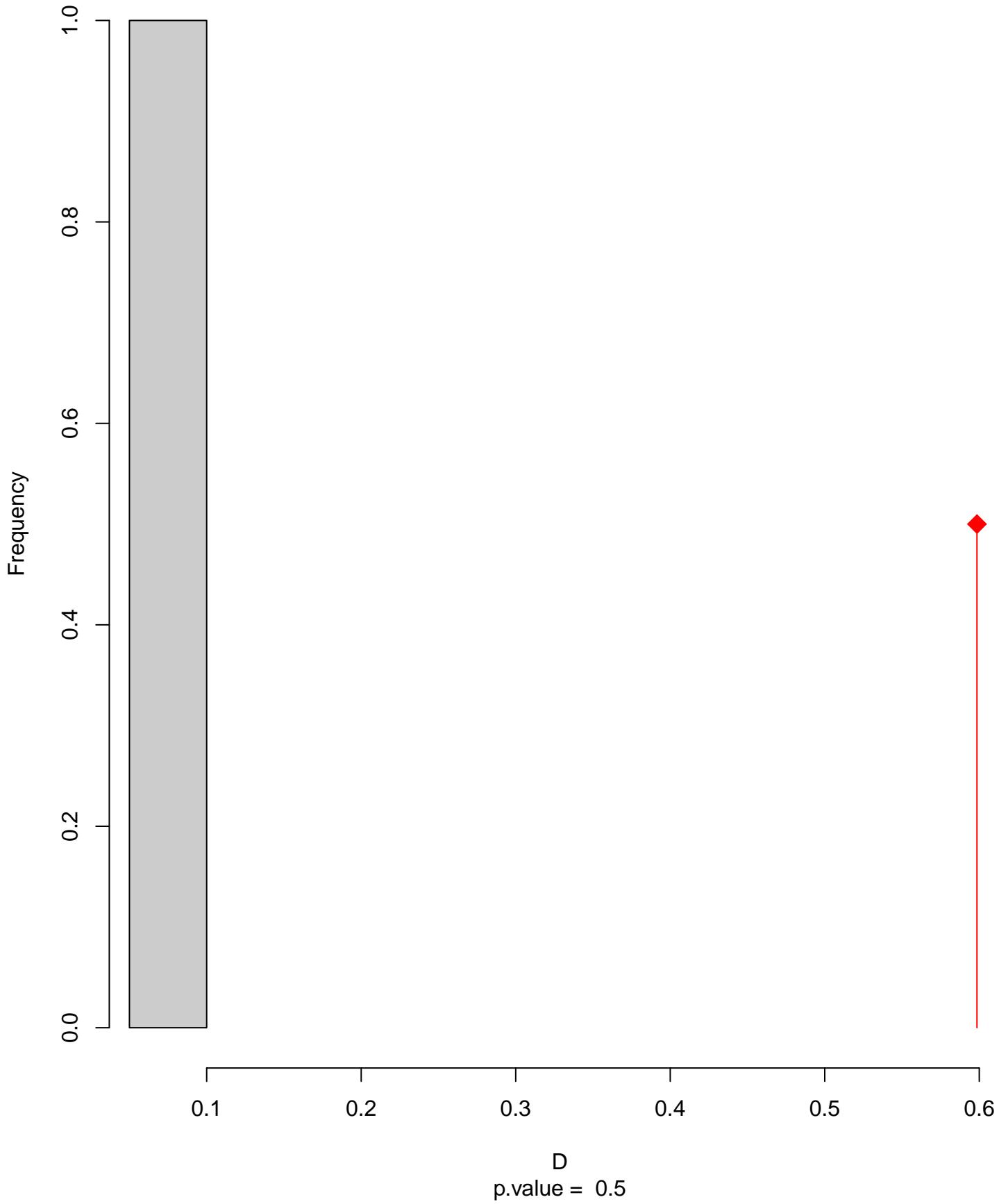
Equivalency



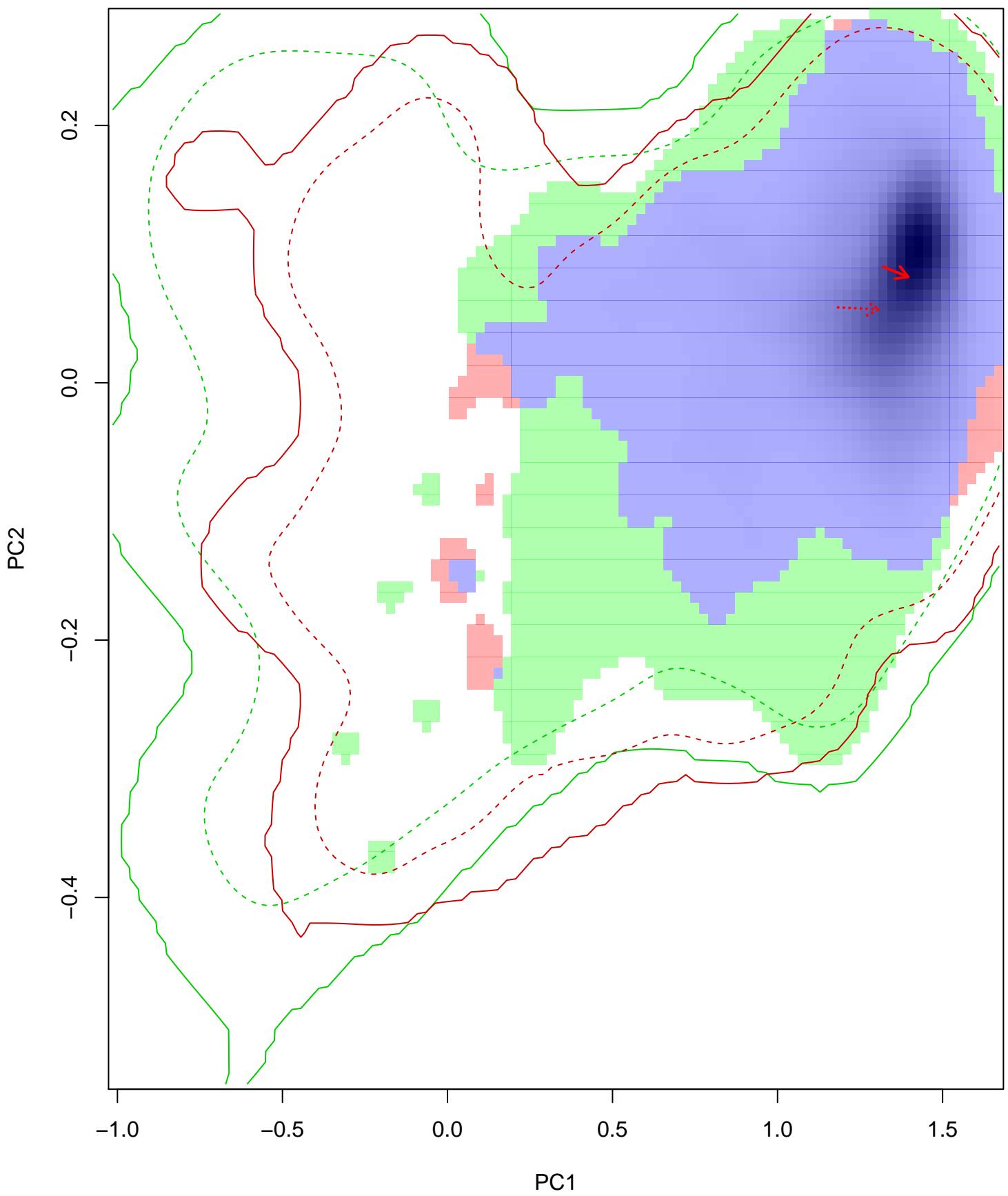
Similarity 2->1



Similarity 1→2

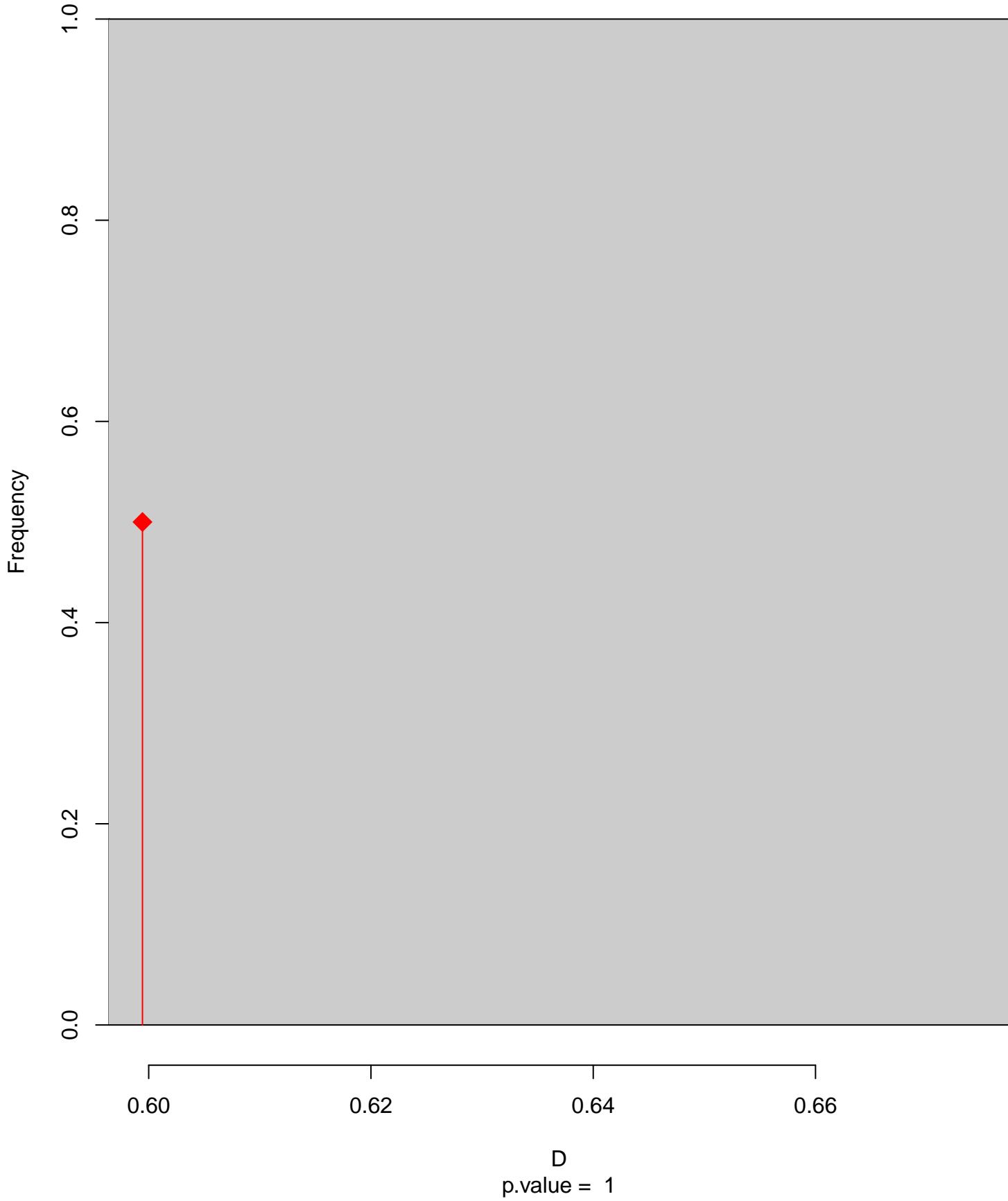


Stelgidopteryx_ruficollis seasonal overlap-hypo.br

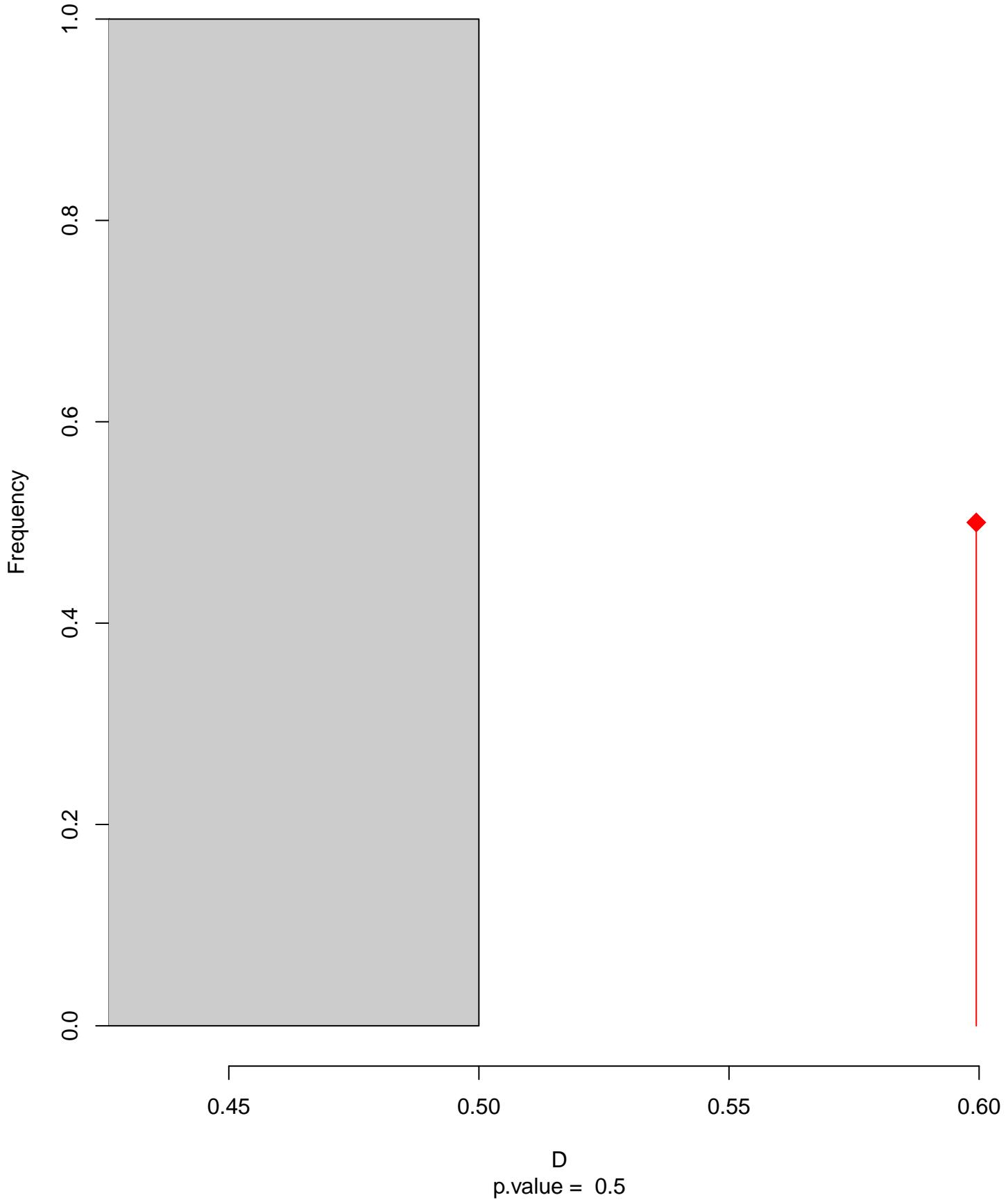


niche overlap:
 $D = 0.599$

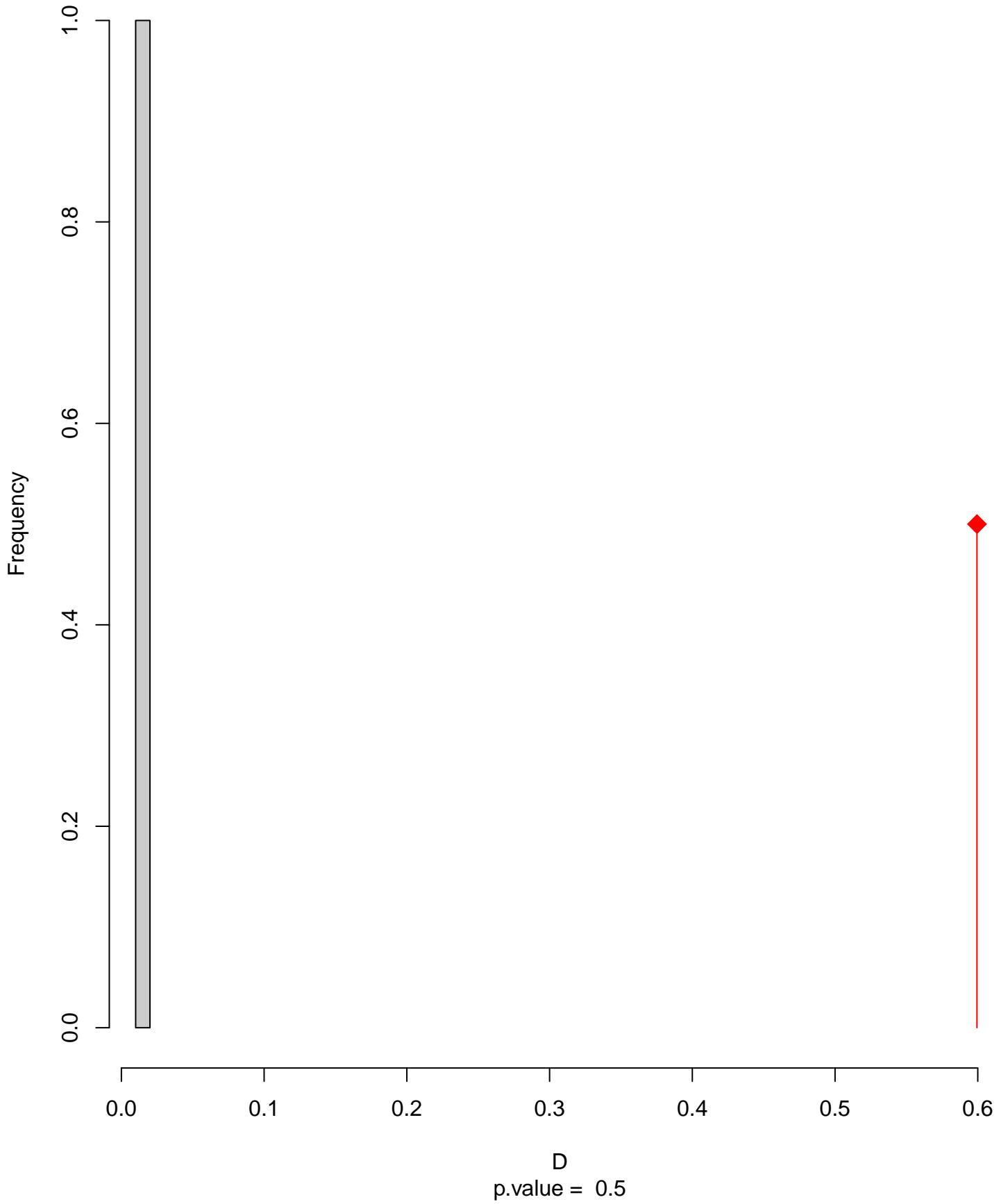
Equivalency



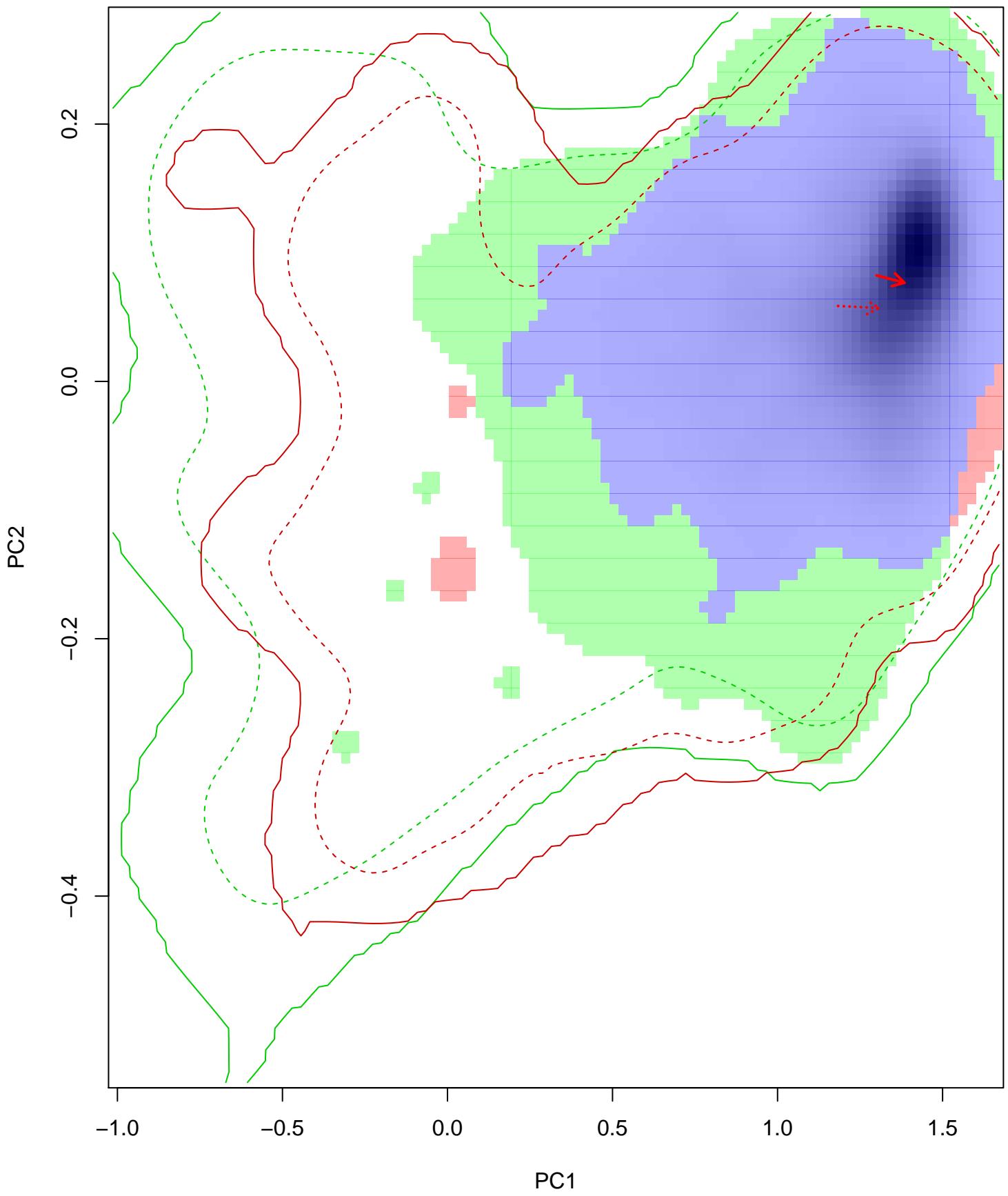
Similarity 2->1



Similarity 1→2

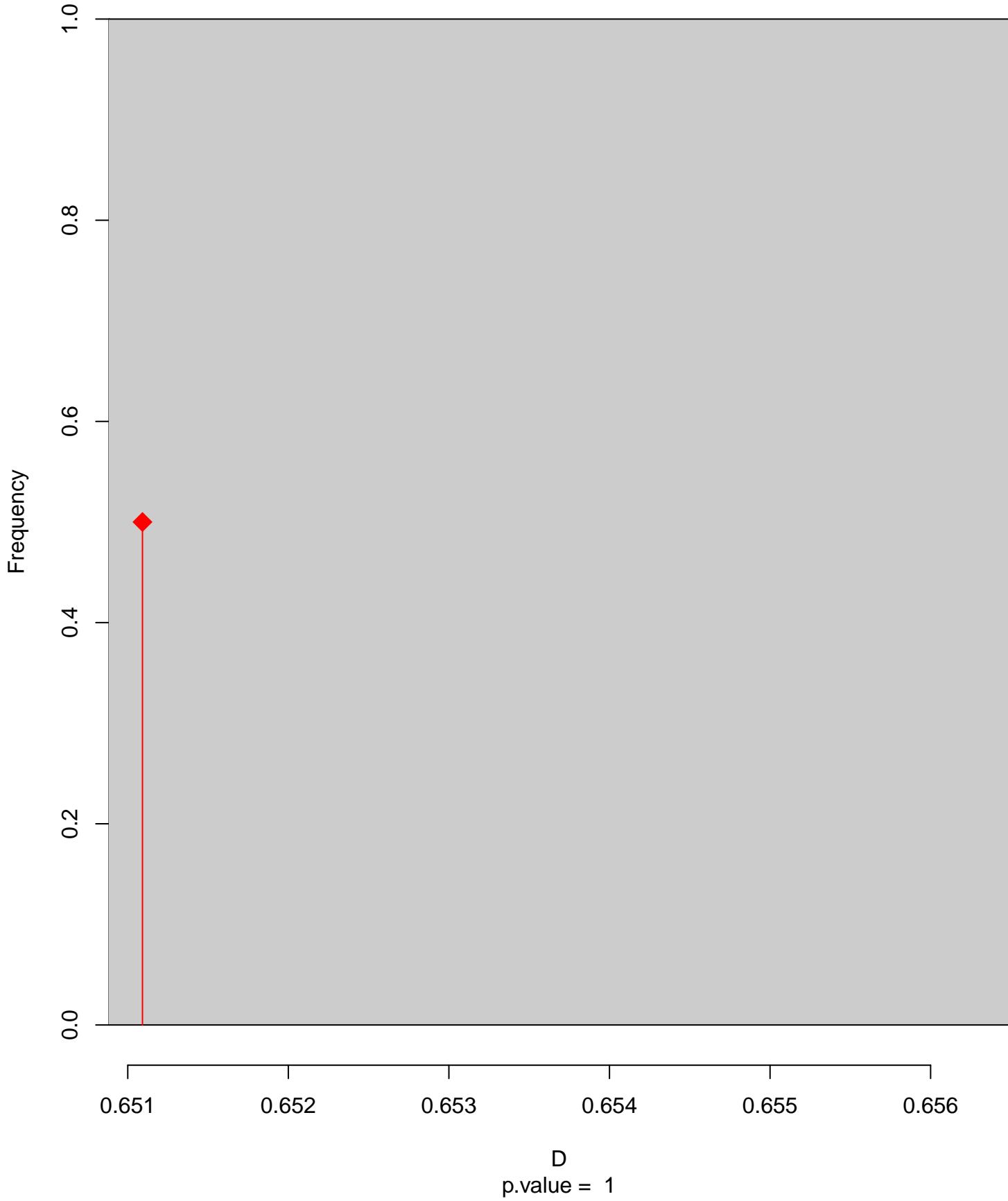


Stelgidopteryx_ruficollis seasonal overlap-hypo wi

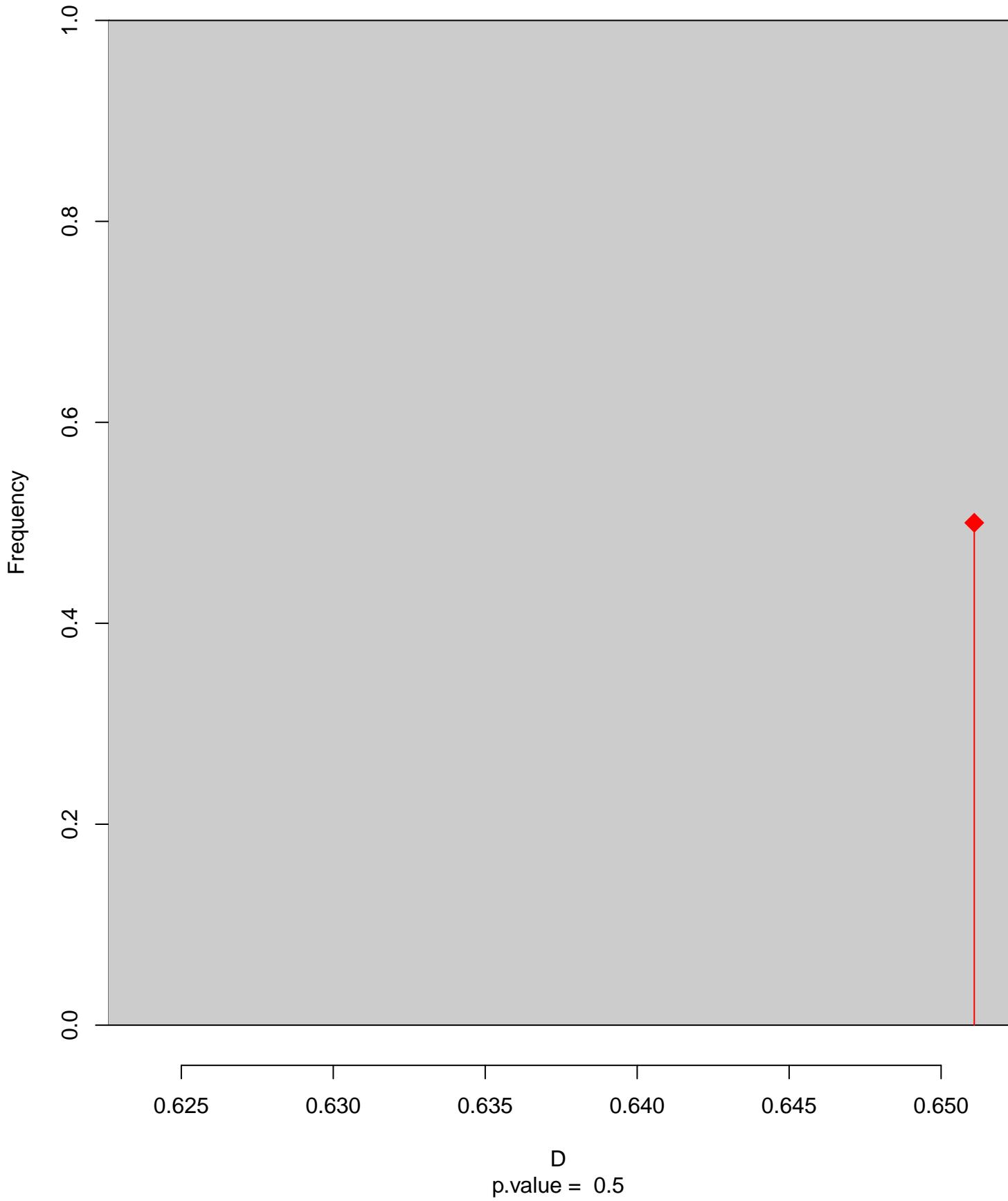


niche overlap:
 $D = 0.651$

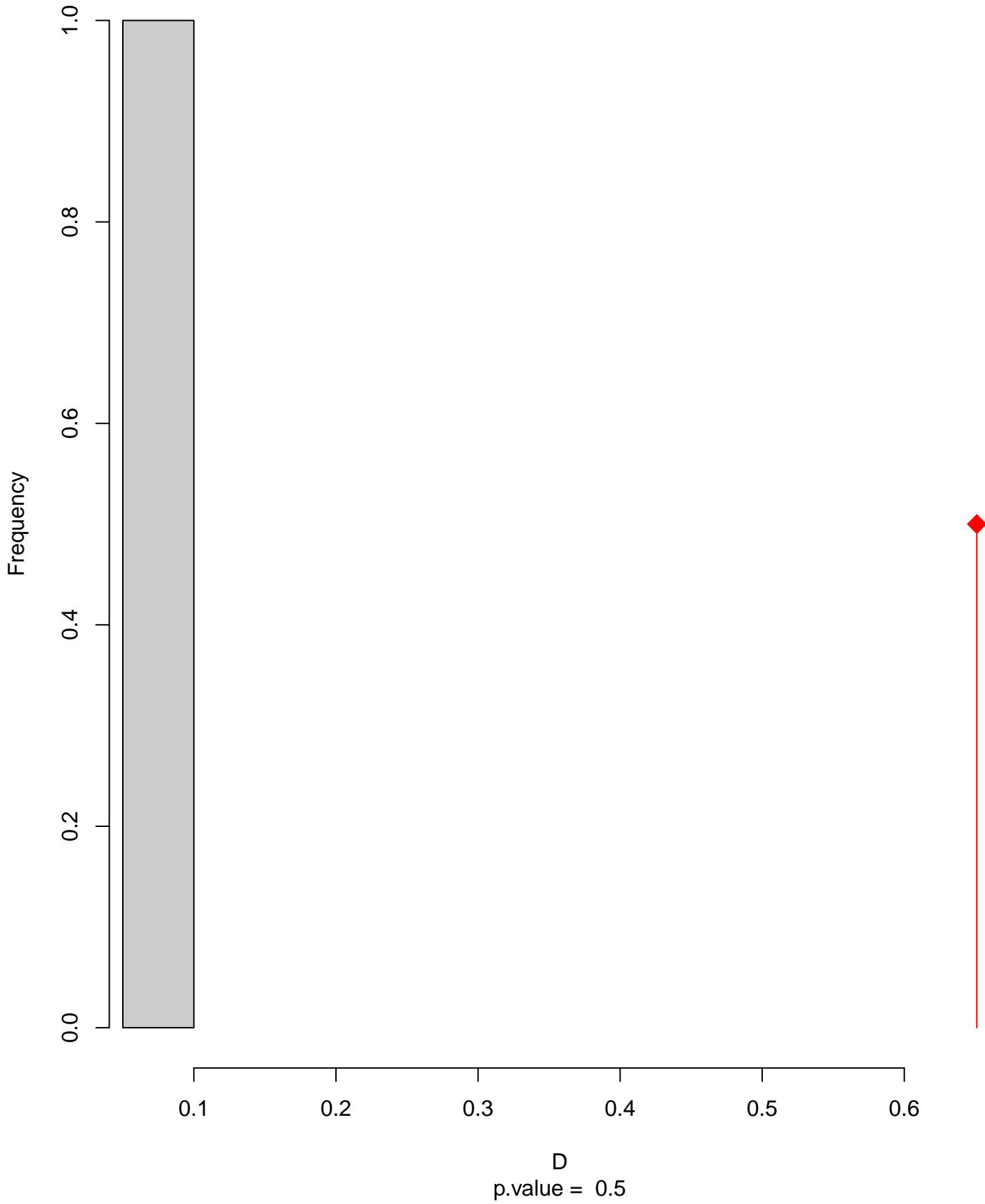
Equivalency



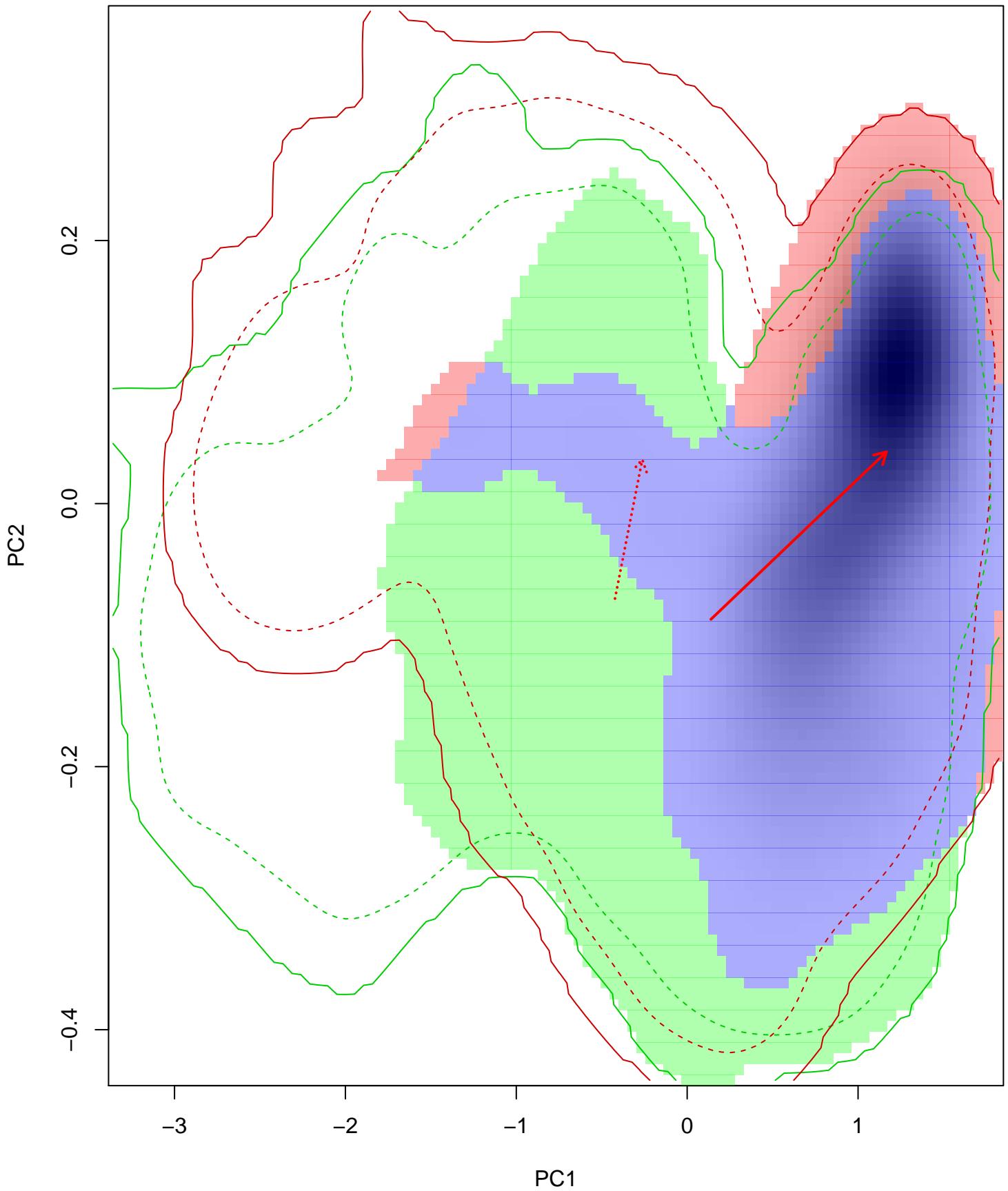
Similarity 2->1



Similarity 1→2

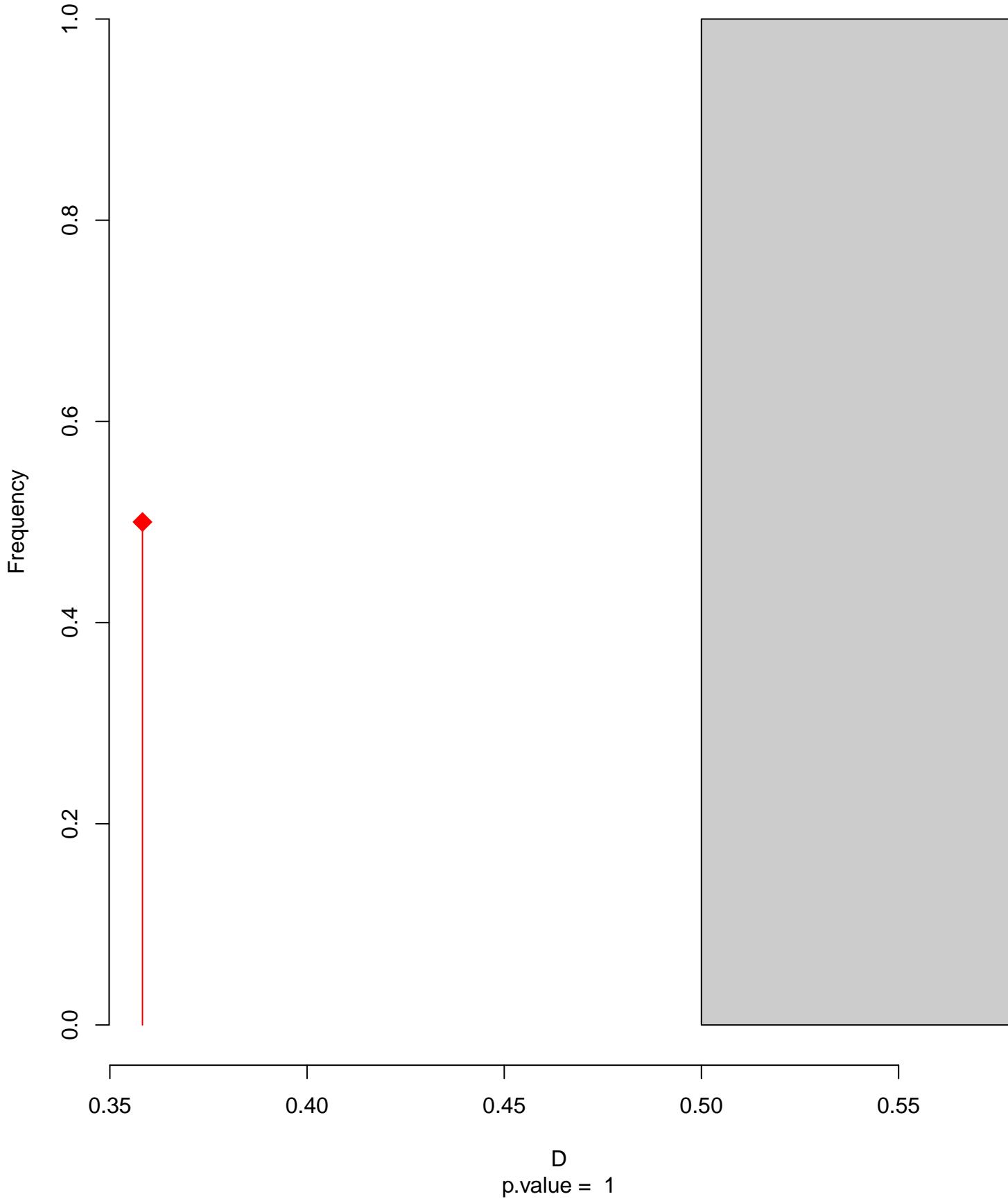


Stelgidopteryx serripennis seasonal overlap

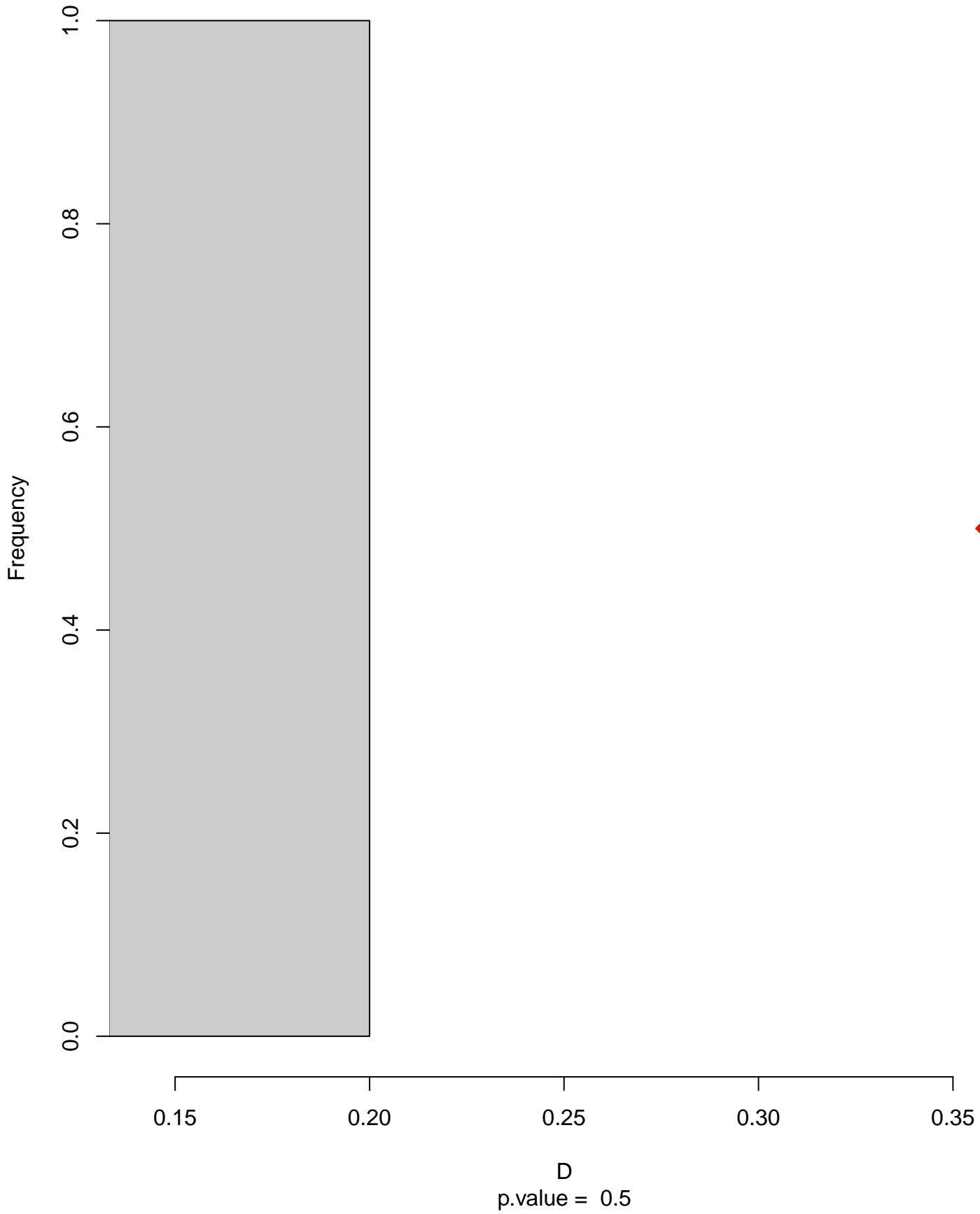


niche overlap:
 $D = 0.358$

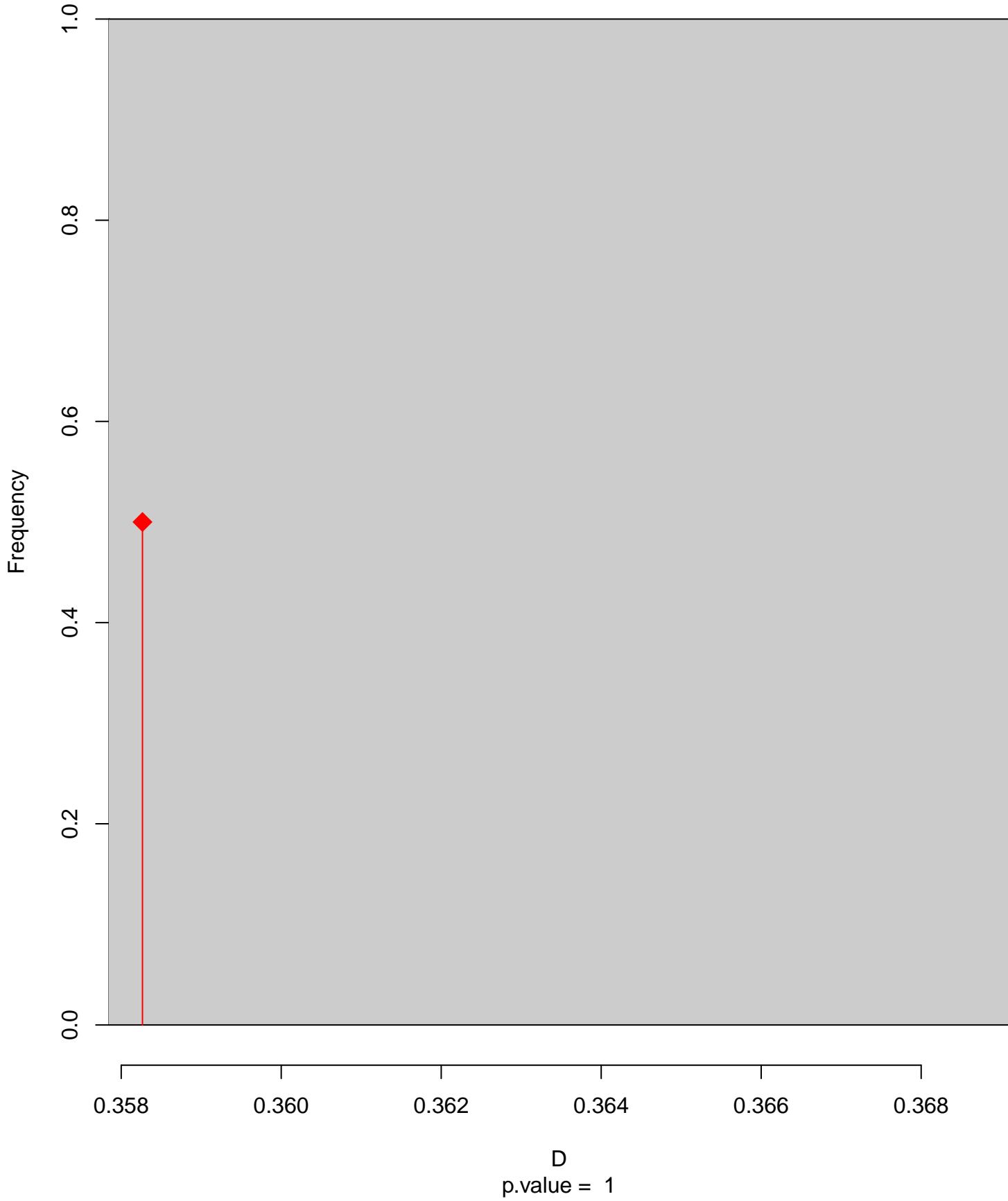
Equivalency



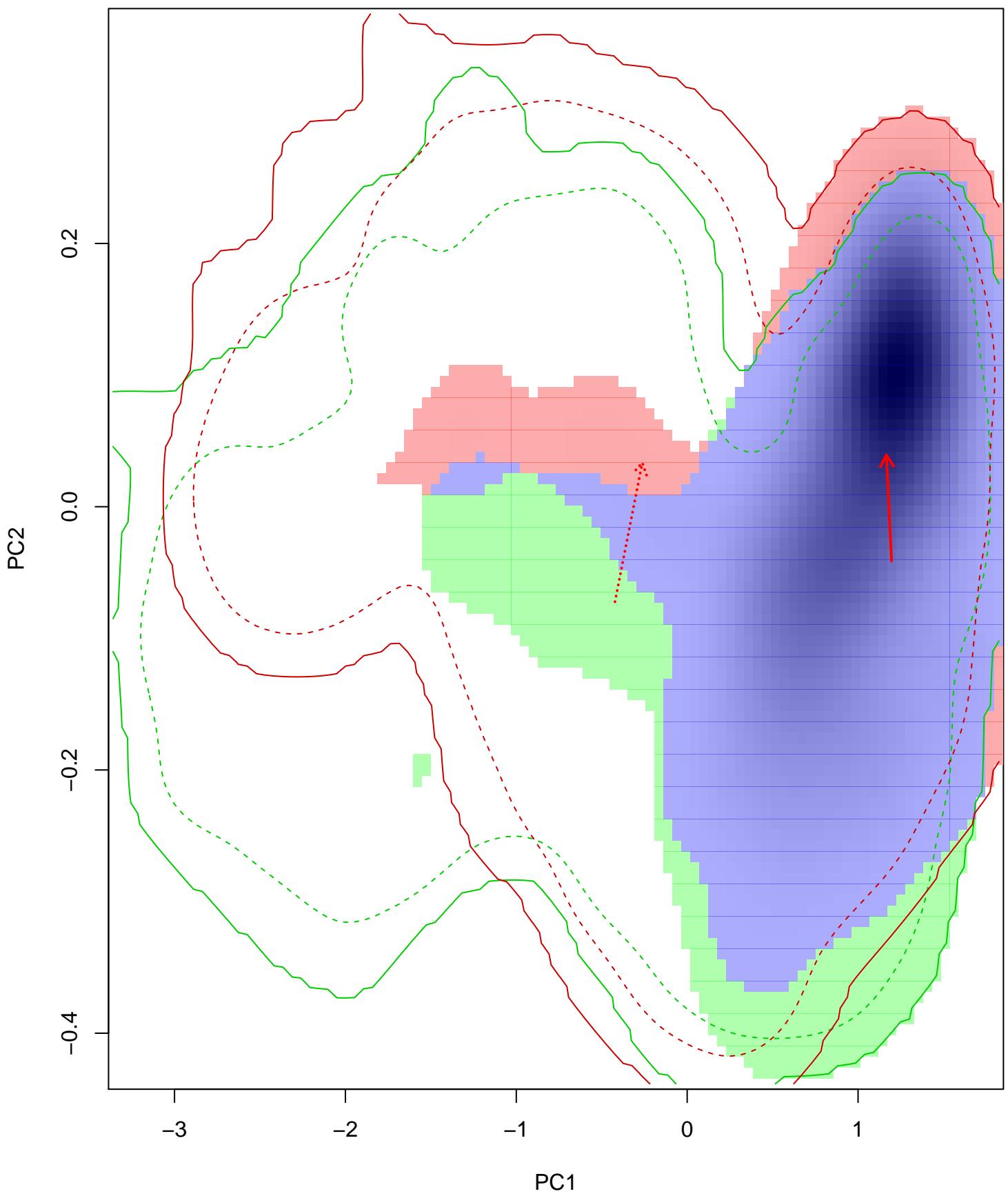
Similarity 2->1



Similarity 1→2

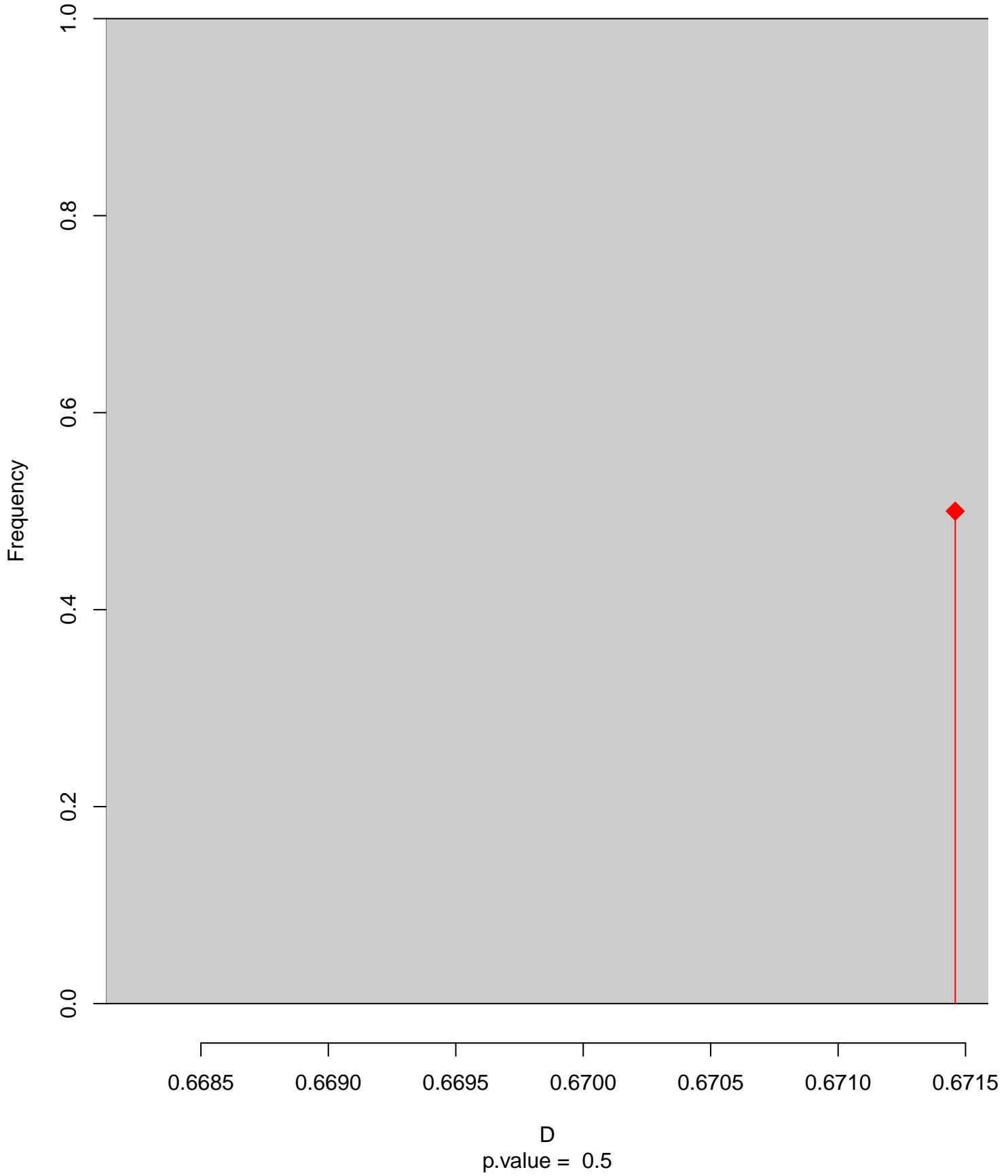


Stelgidopteryx serripennis seasonal overlap-hypo.br

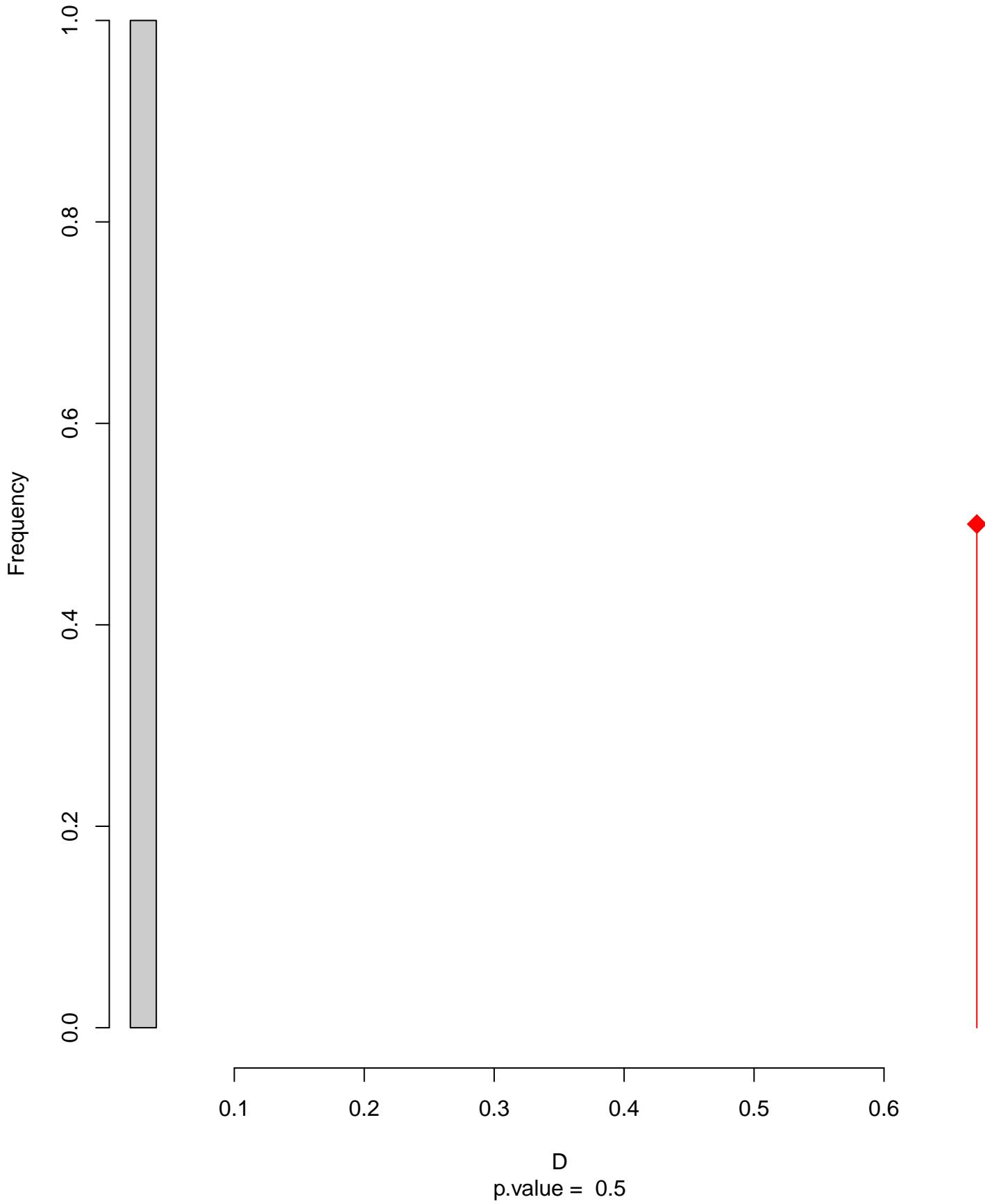


niche overlap:
 $D = 0.671$

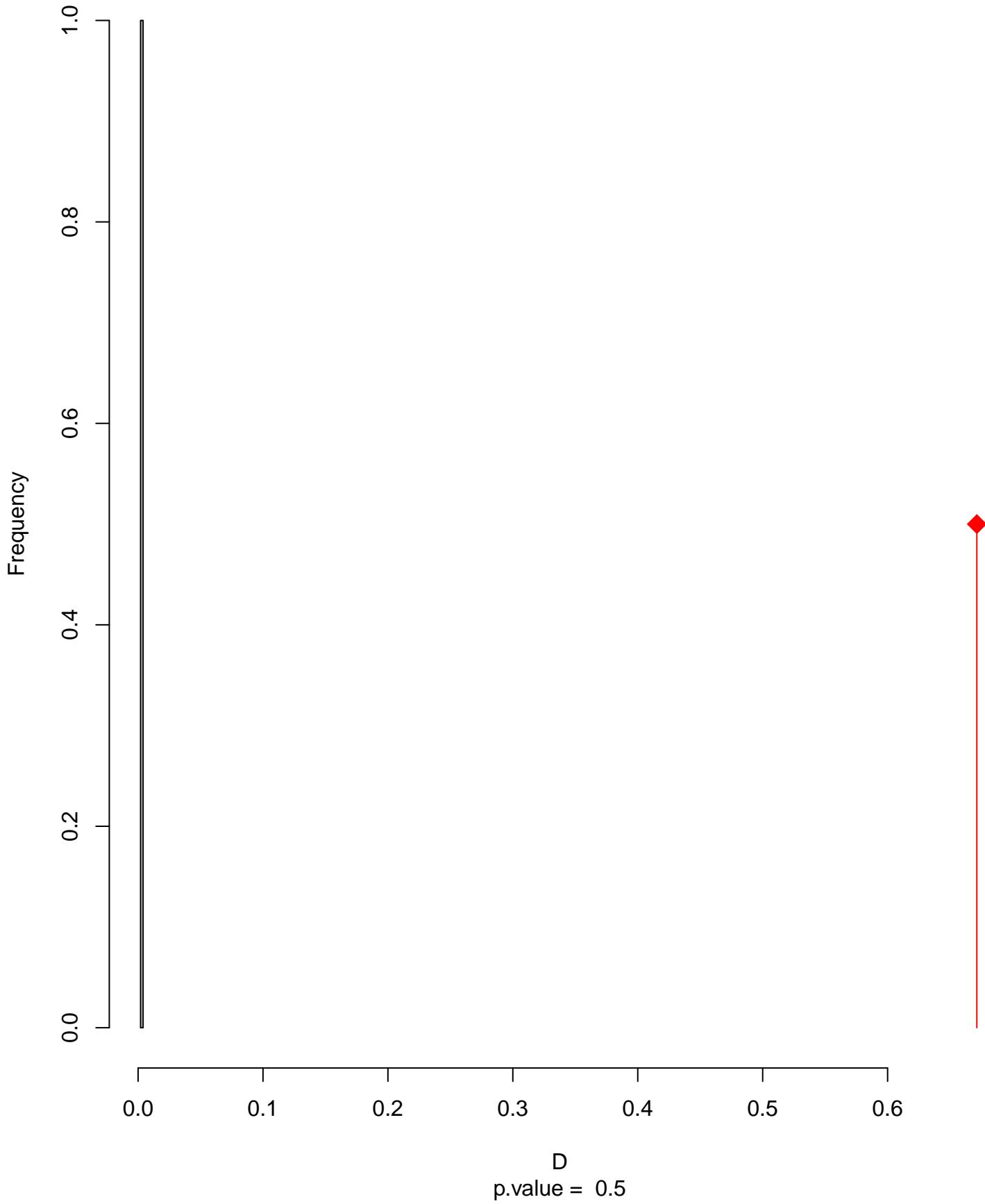
Equivalency



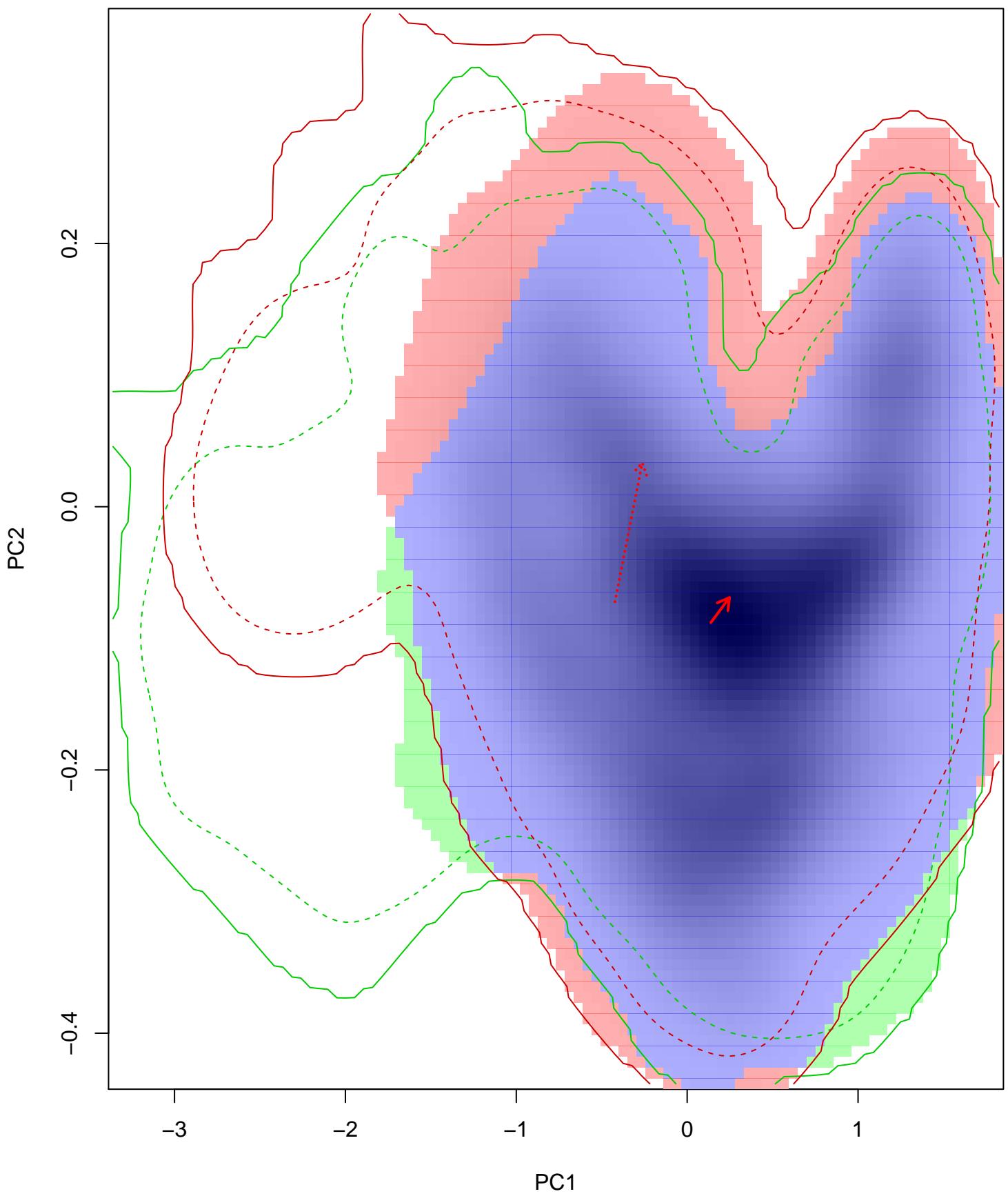
Similarity 2->1



Similarity 1→2

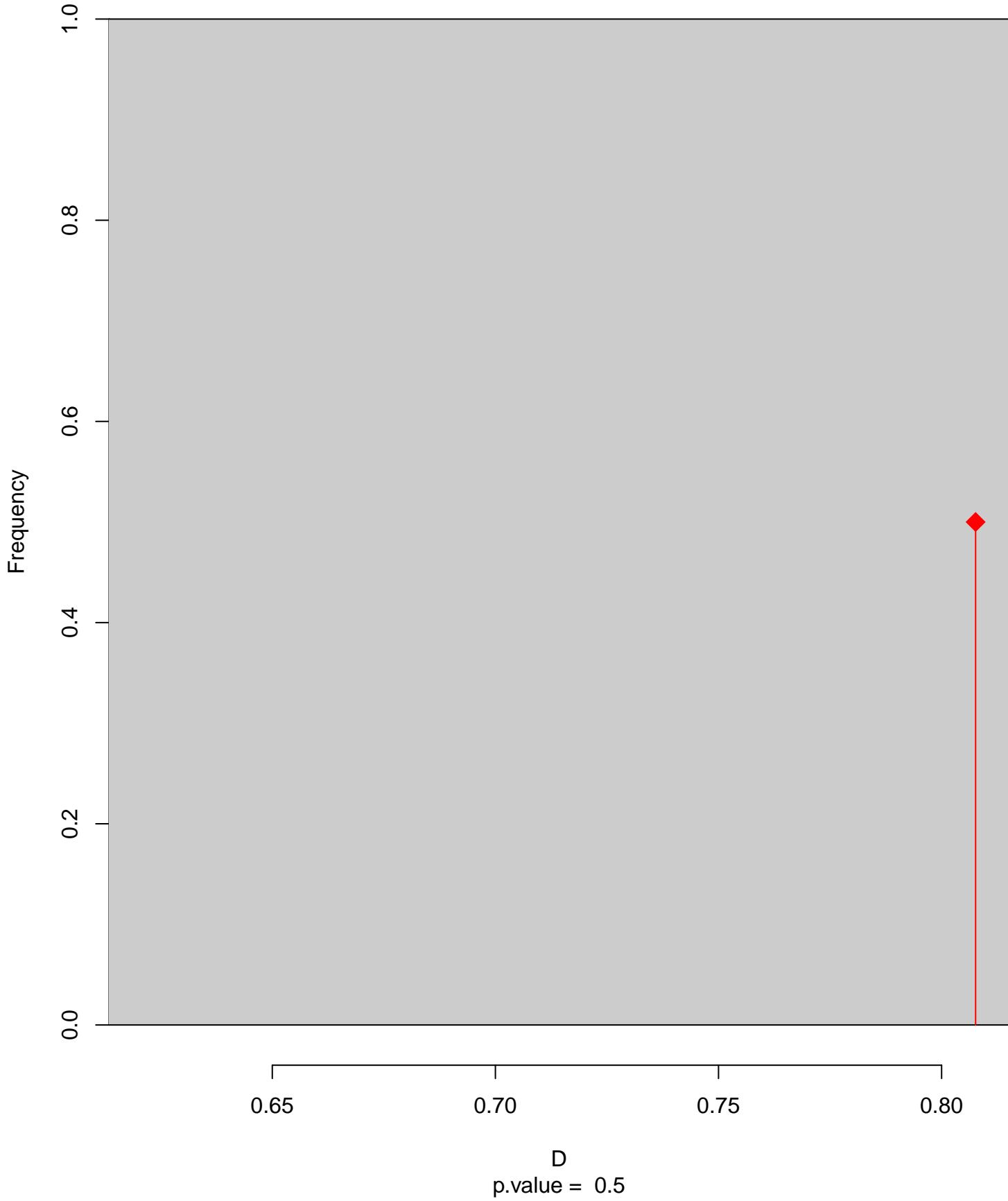


Stelgidopteryx serripennis seasonal overlap–hypo wi

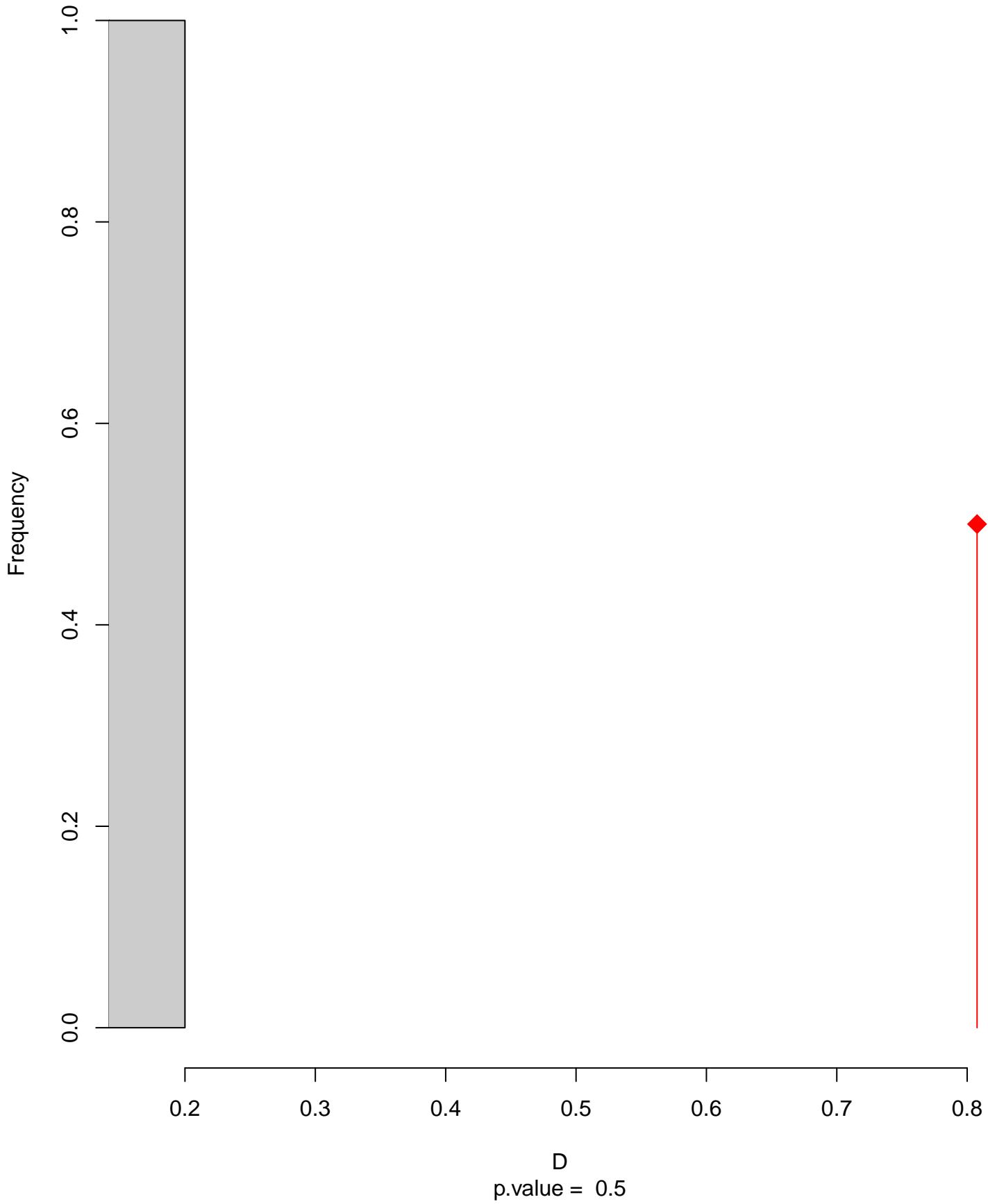


niche overlap:
 $D = 0.808$

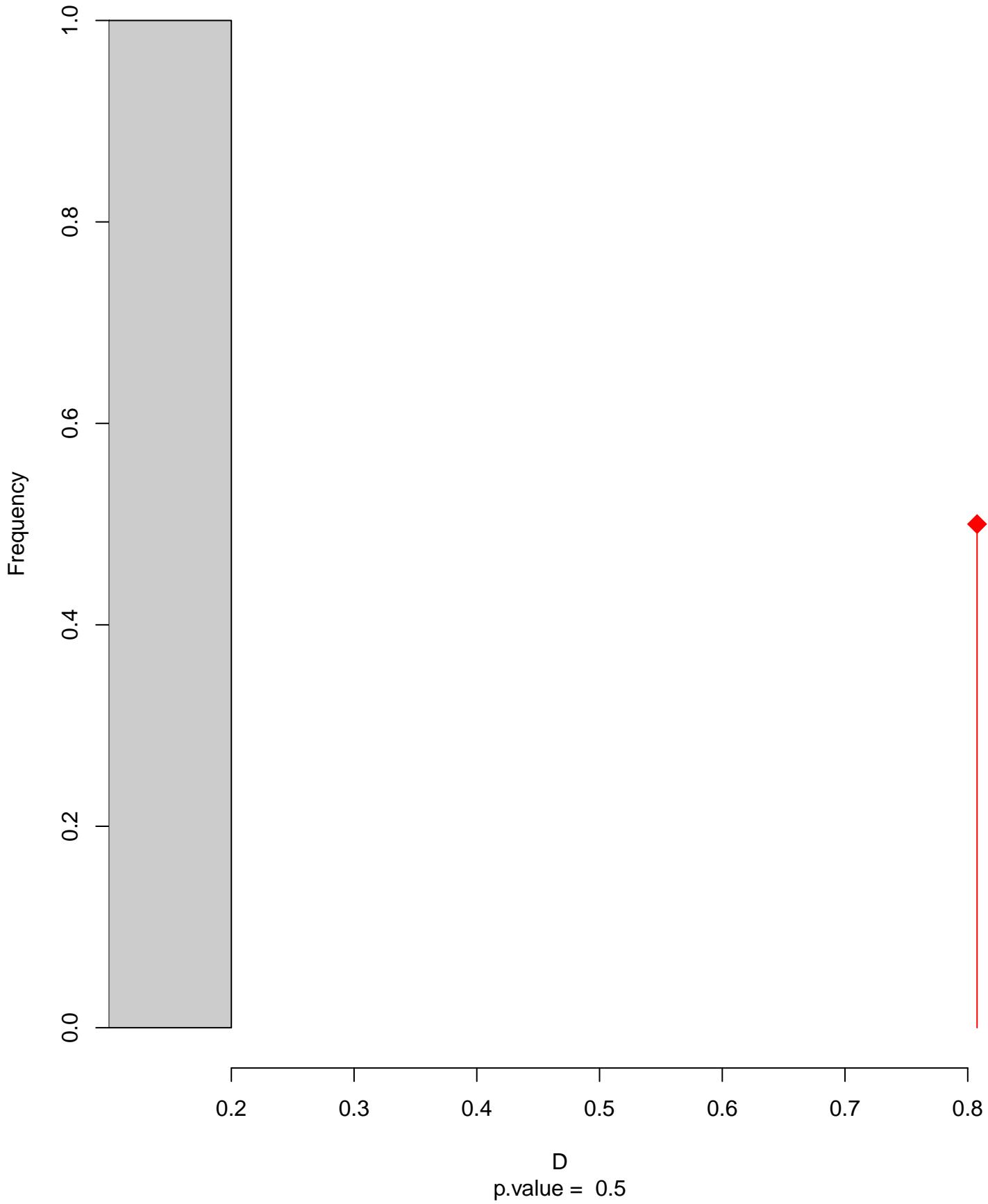
Equivalency



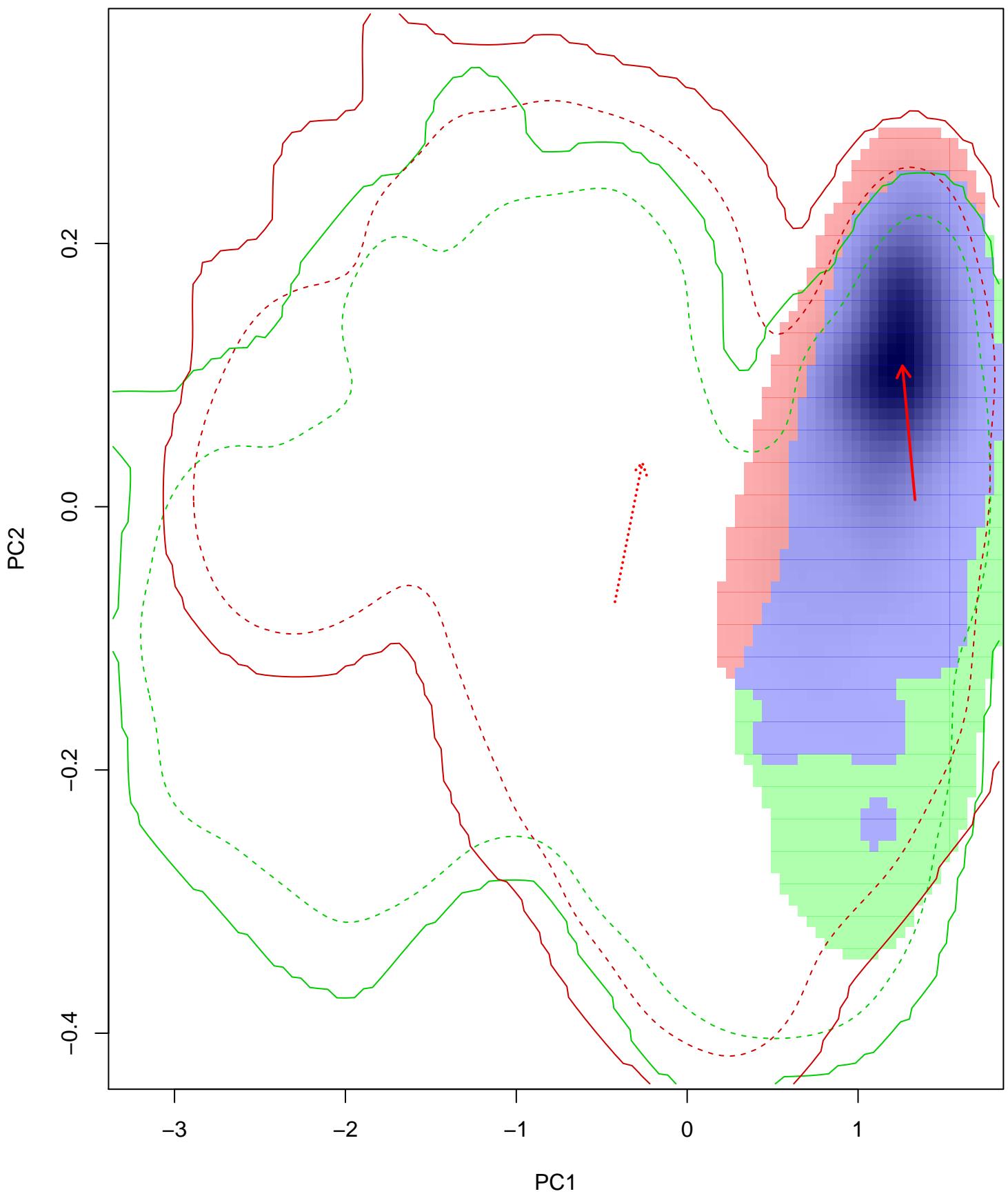
Similarity 2->1



Similarity 1→2

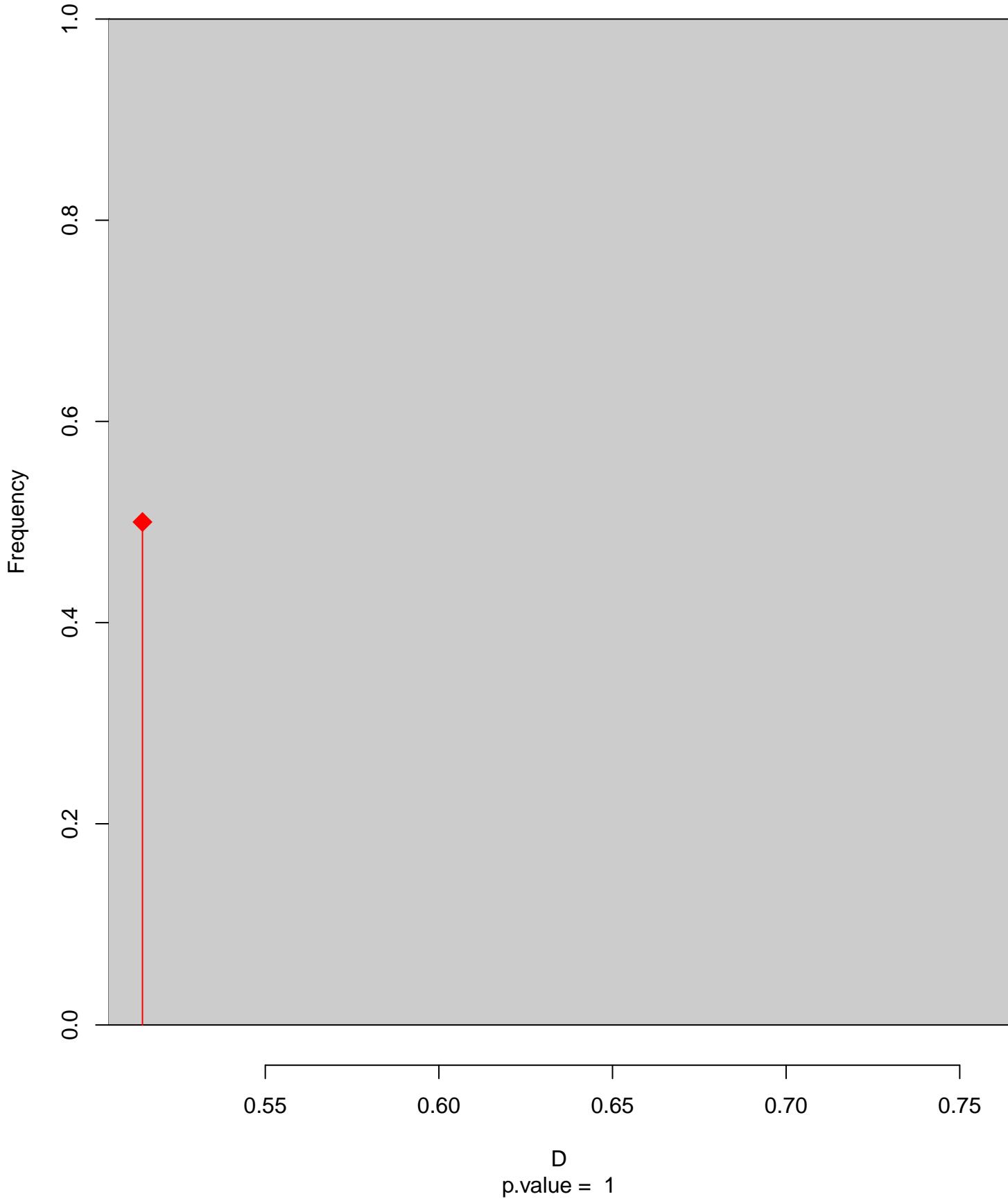


Tachycineta albilinea seasonal overlap

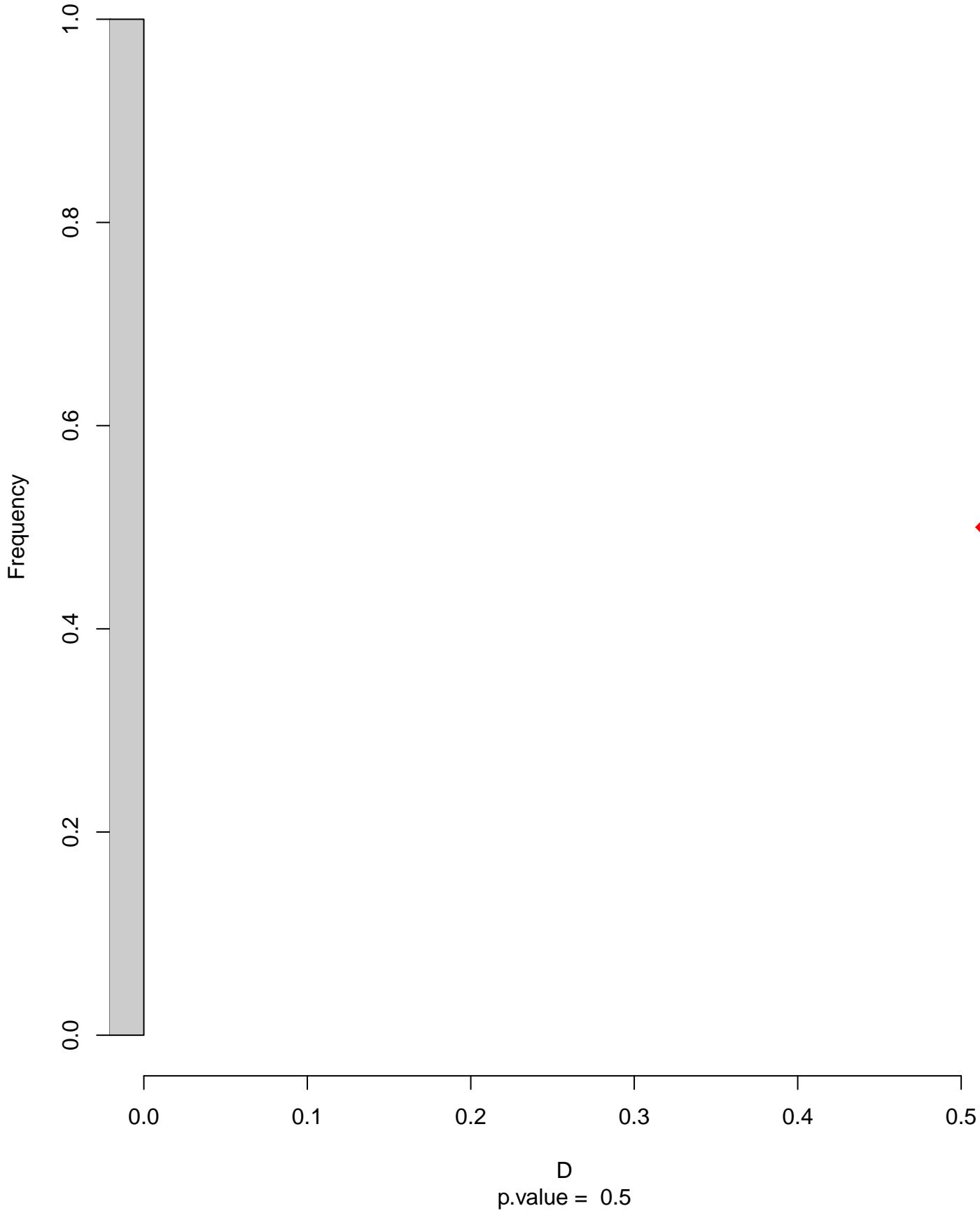


niche overlap:
 $D = 0.515$

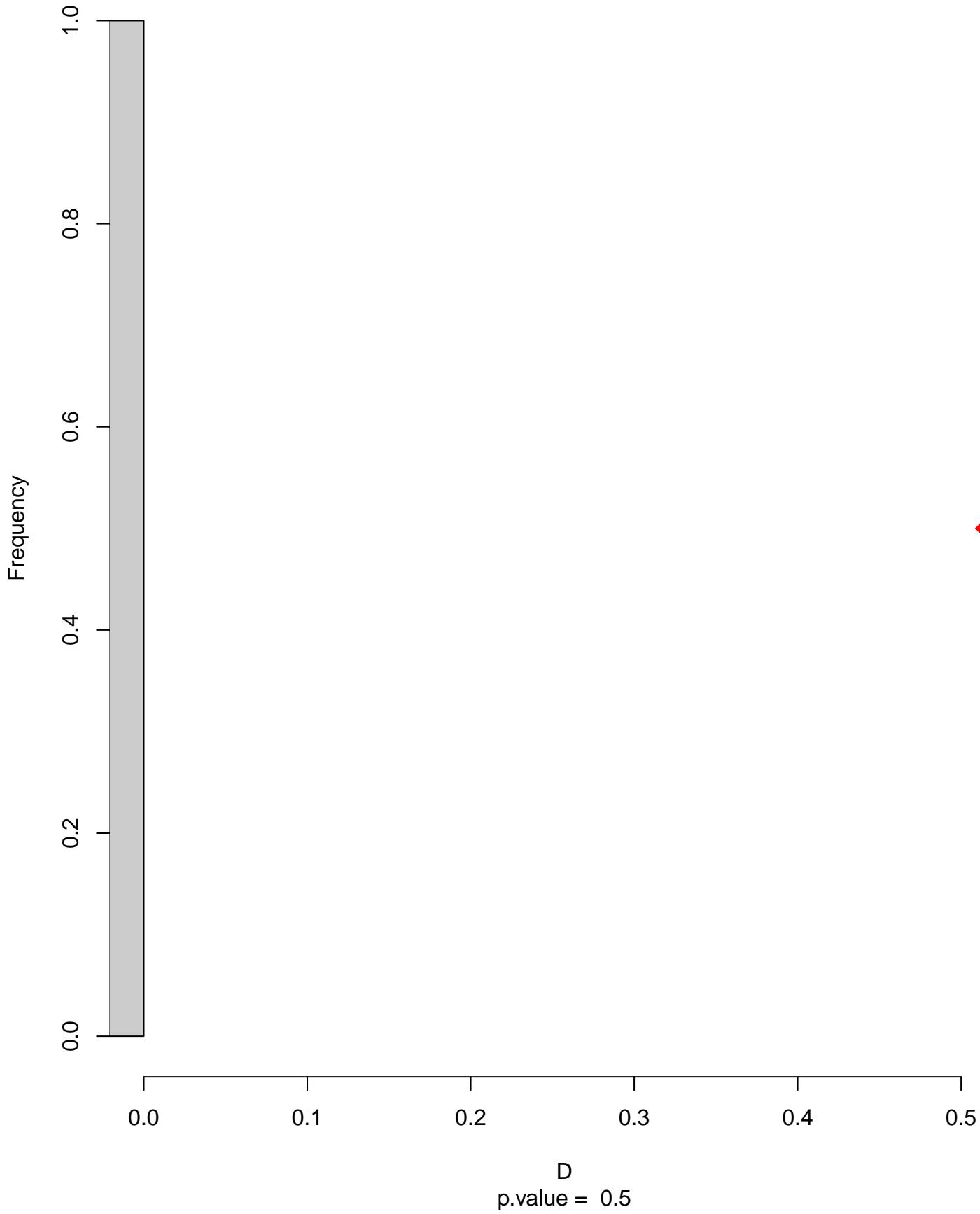
Equivalency



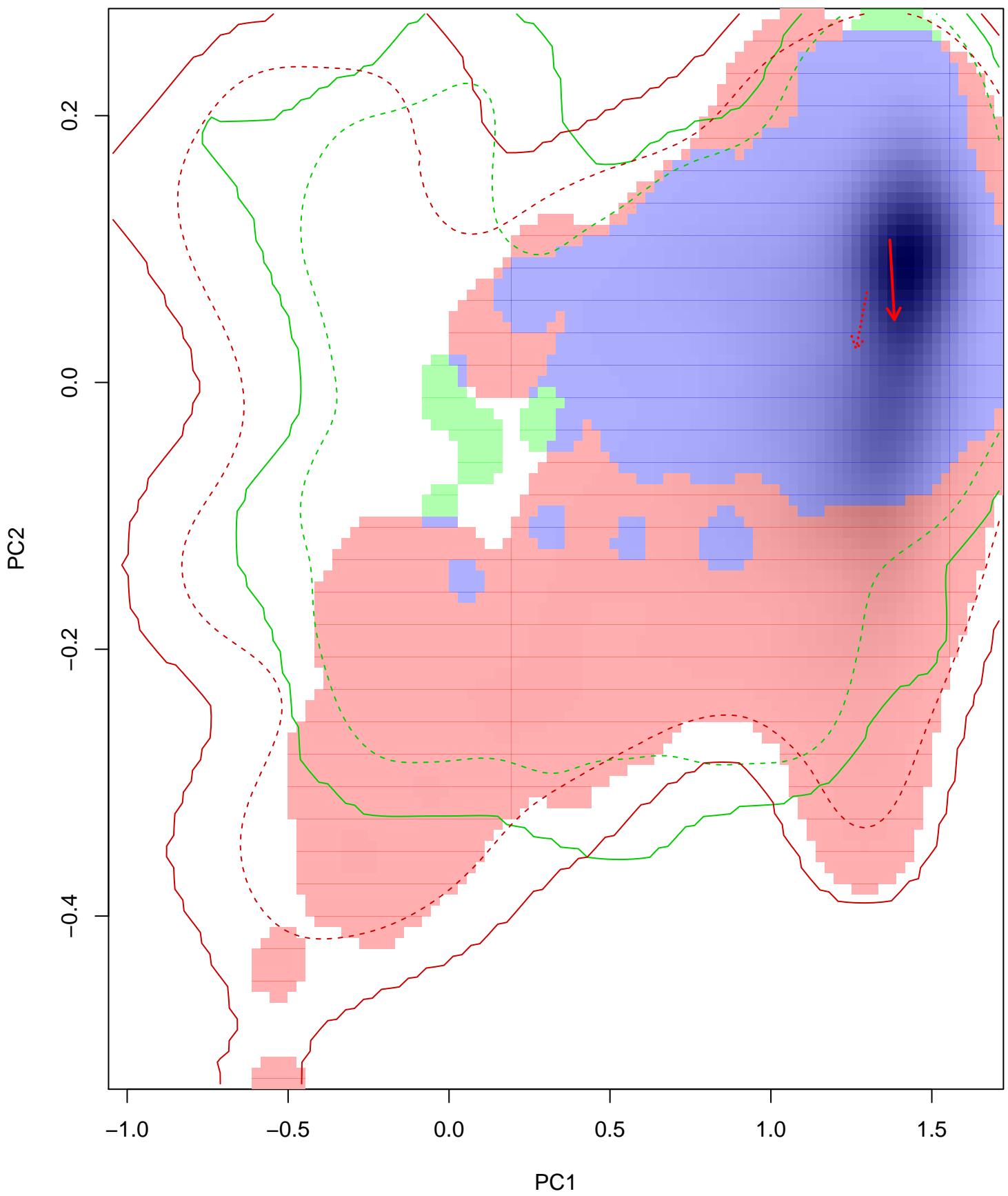
Similarity 2->1



Similarity 1→2

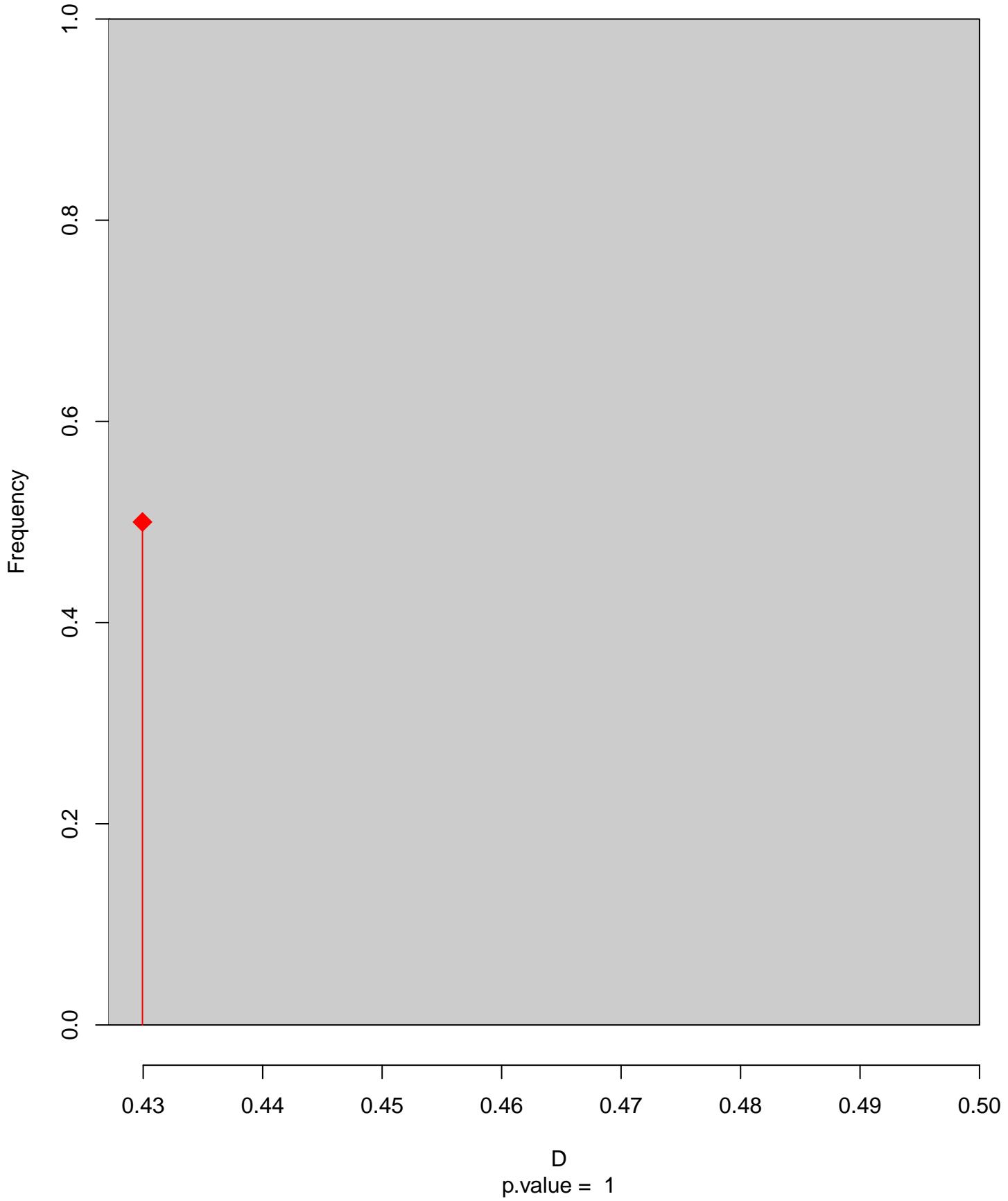


Tachycineta albiventer seasonal overlap

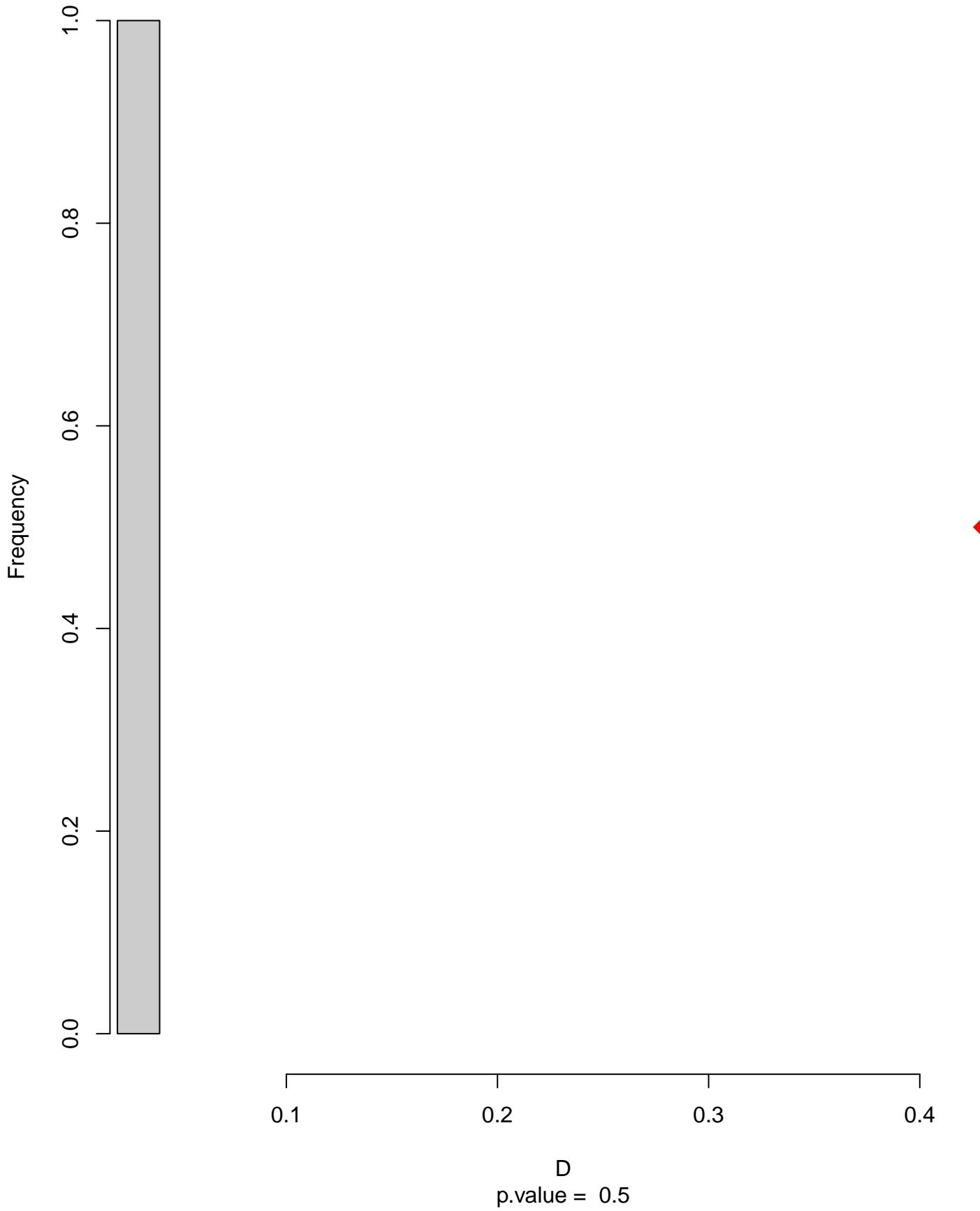


niche overlap:
 $D = 0.43$

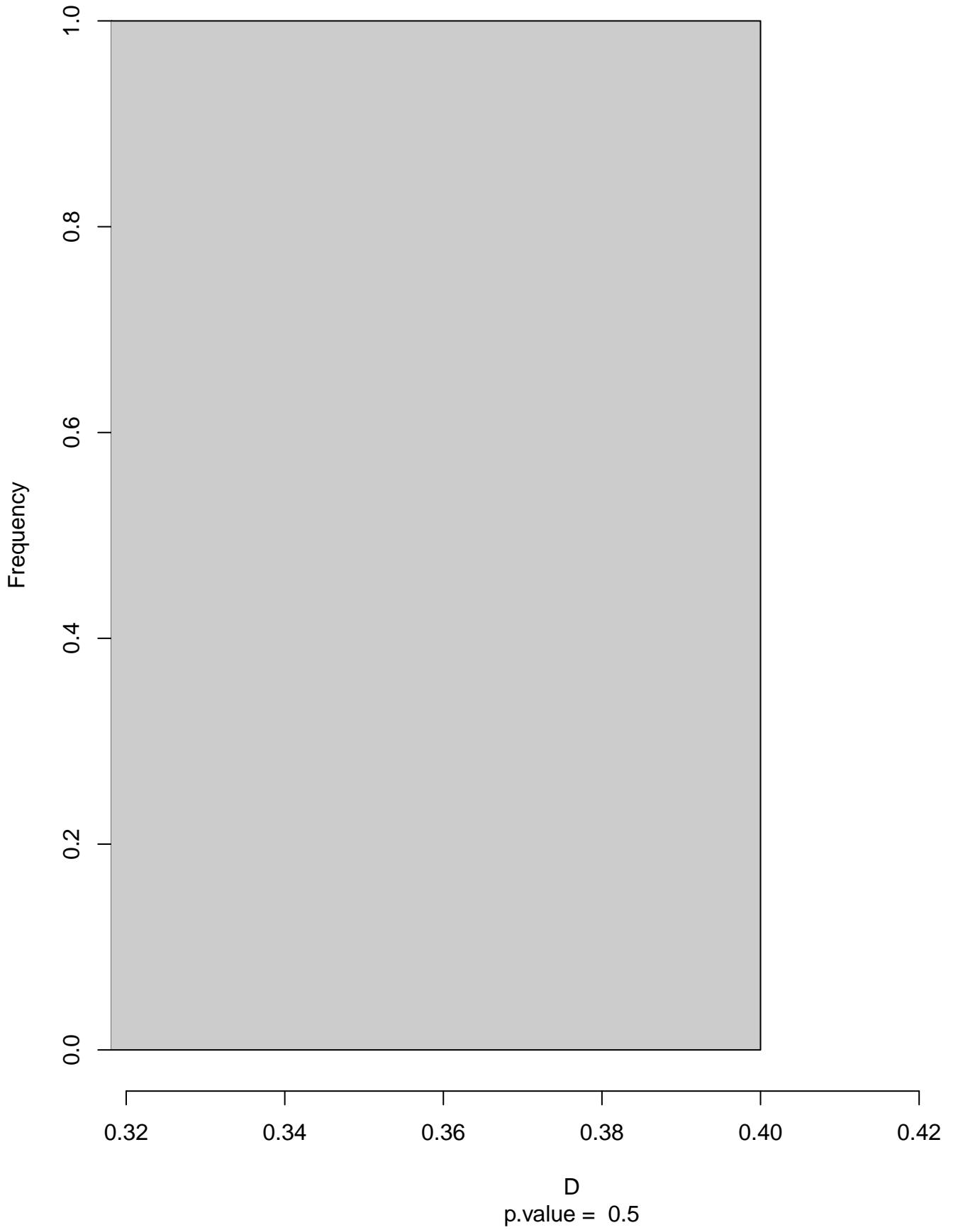
Equivalency



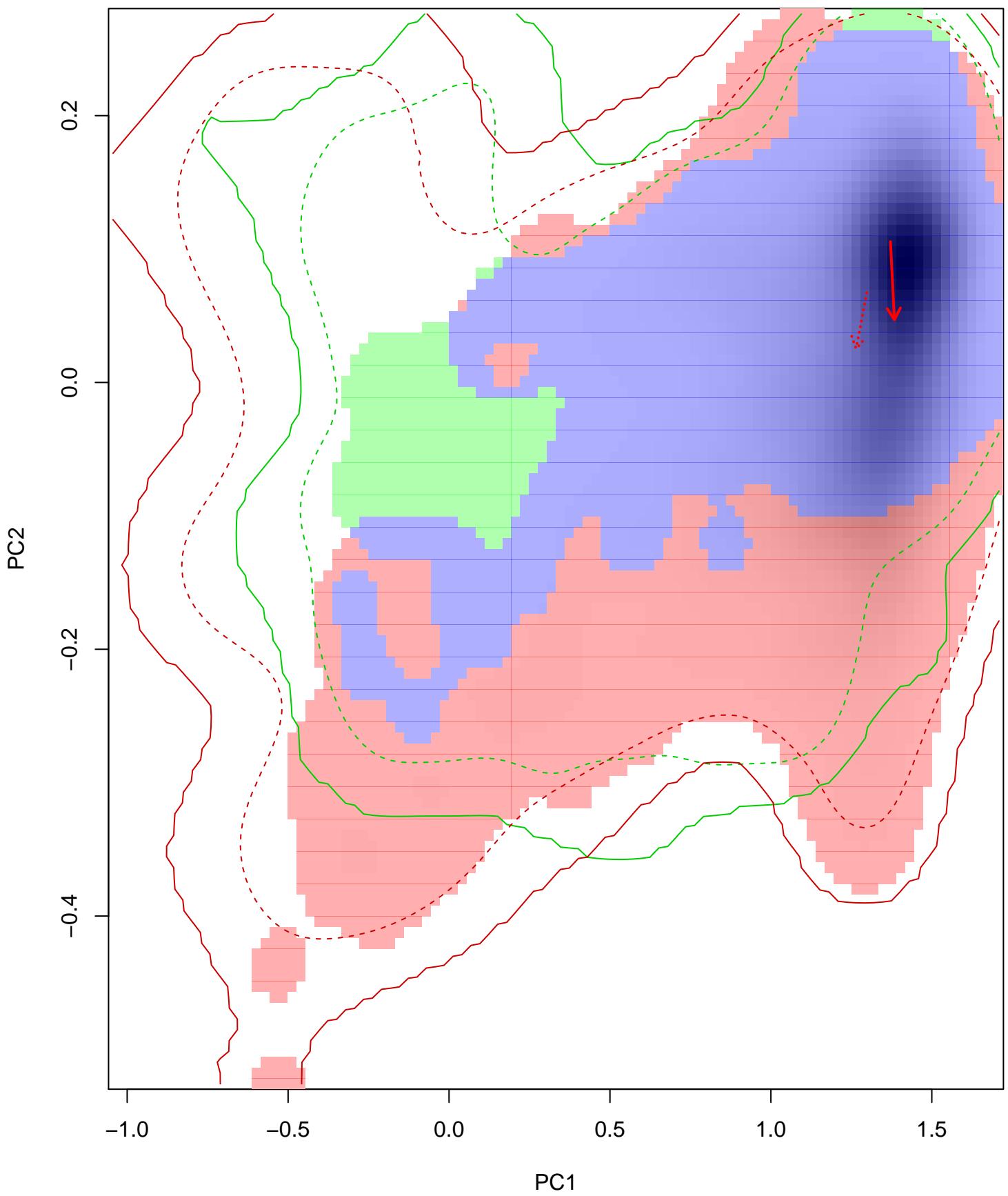
Similarity 2->1



Similarity 1→2

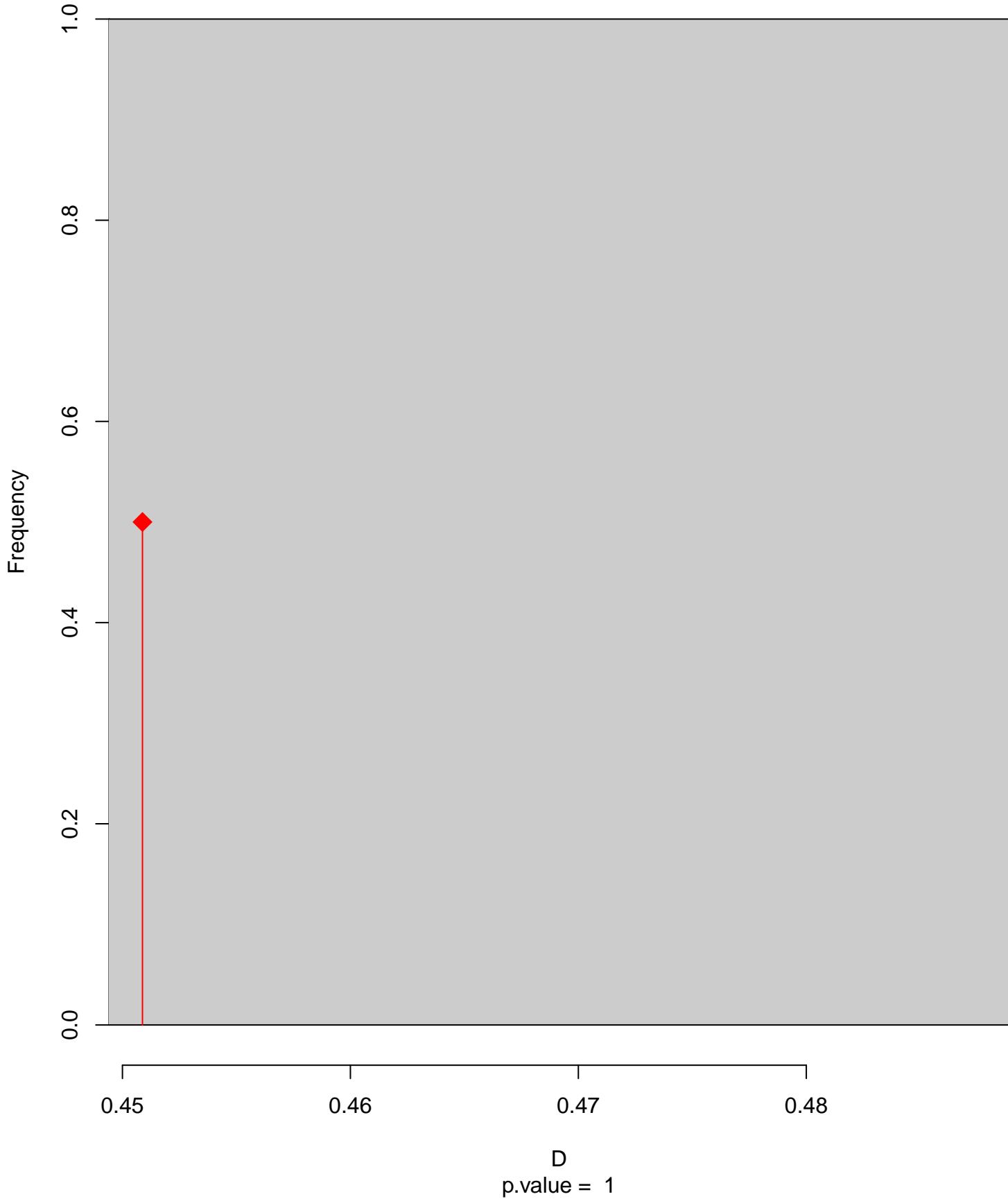


Tachycineta albiventer seasonal overlap-hypo.br

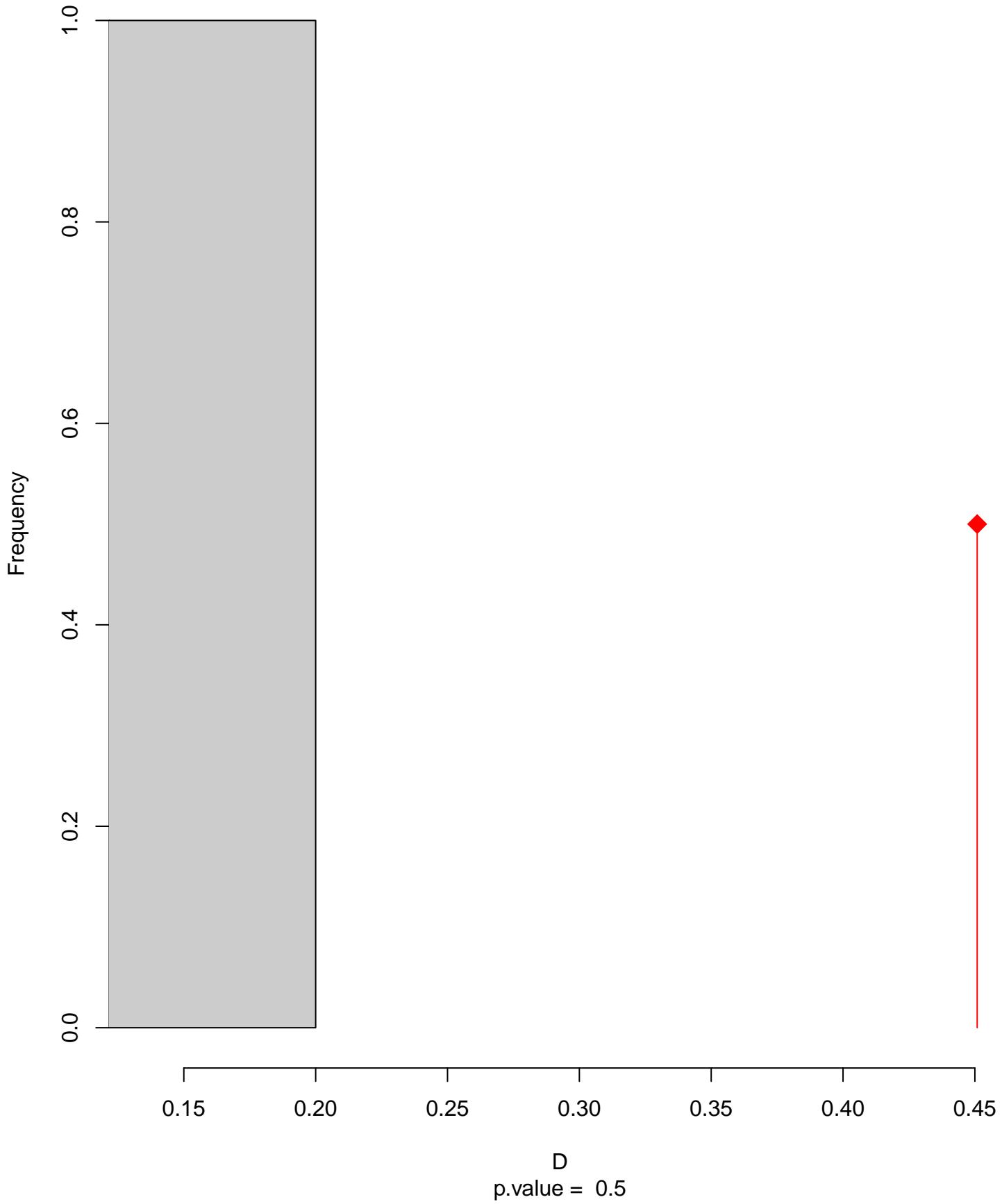


niche overlap:
 $D = 0.451$

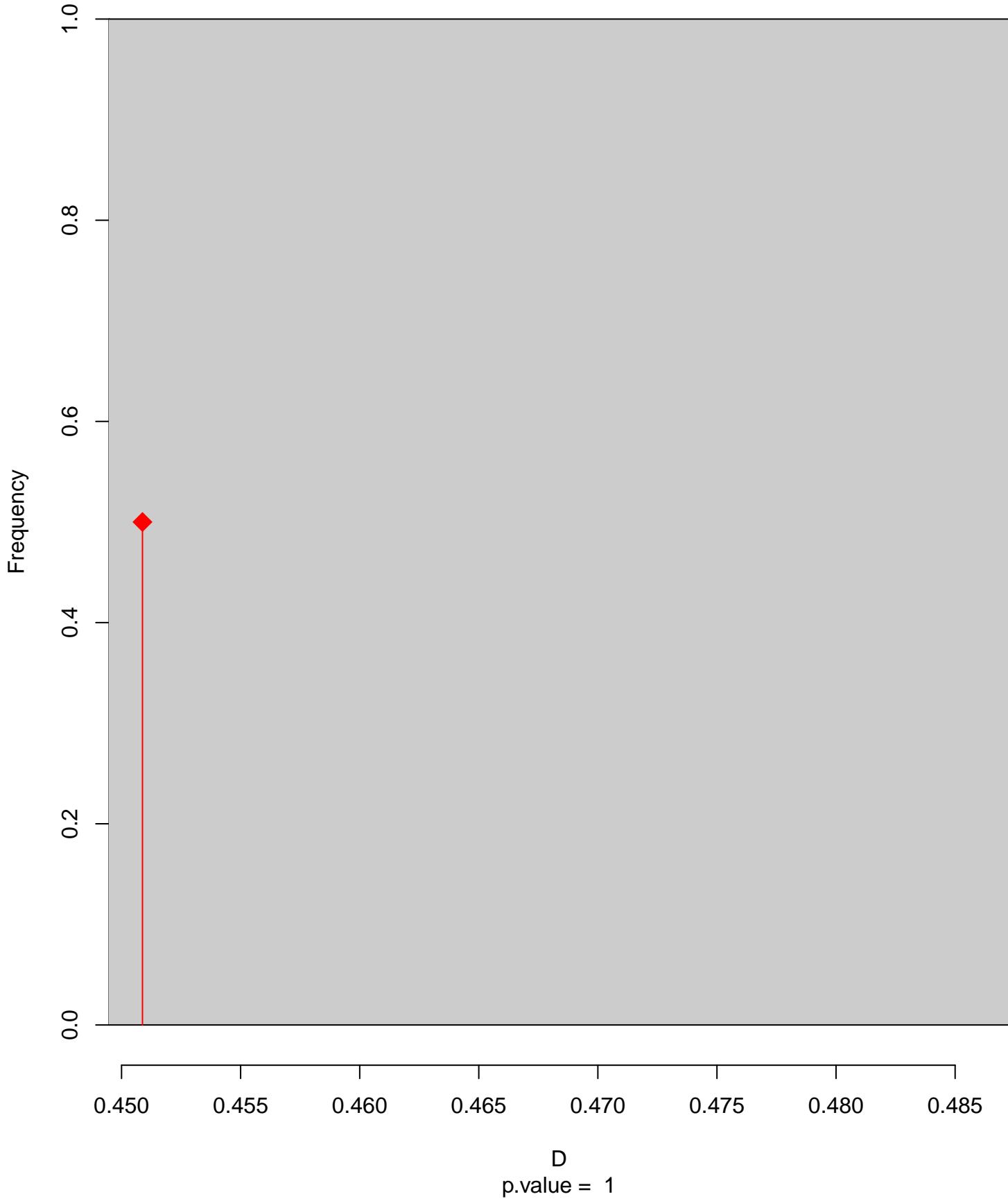
Equivalency



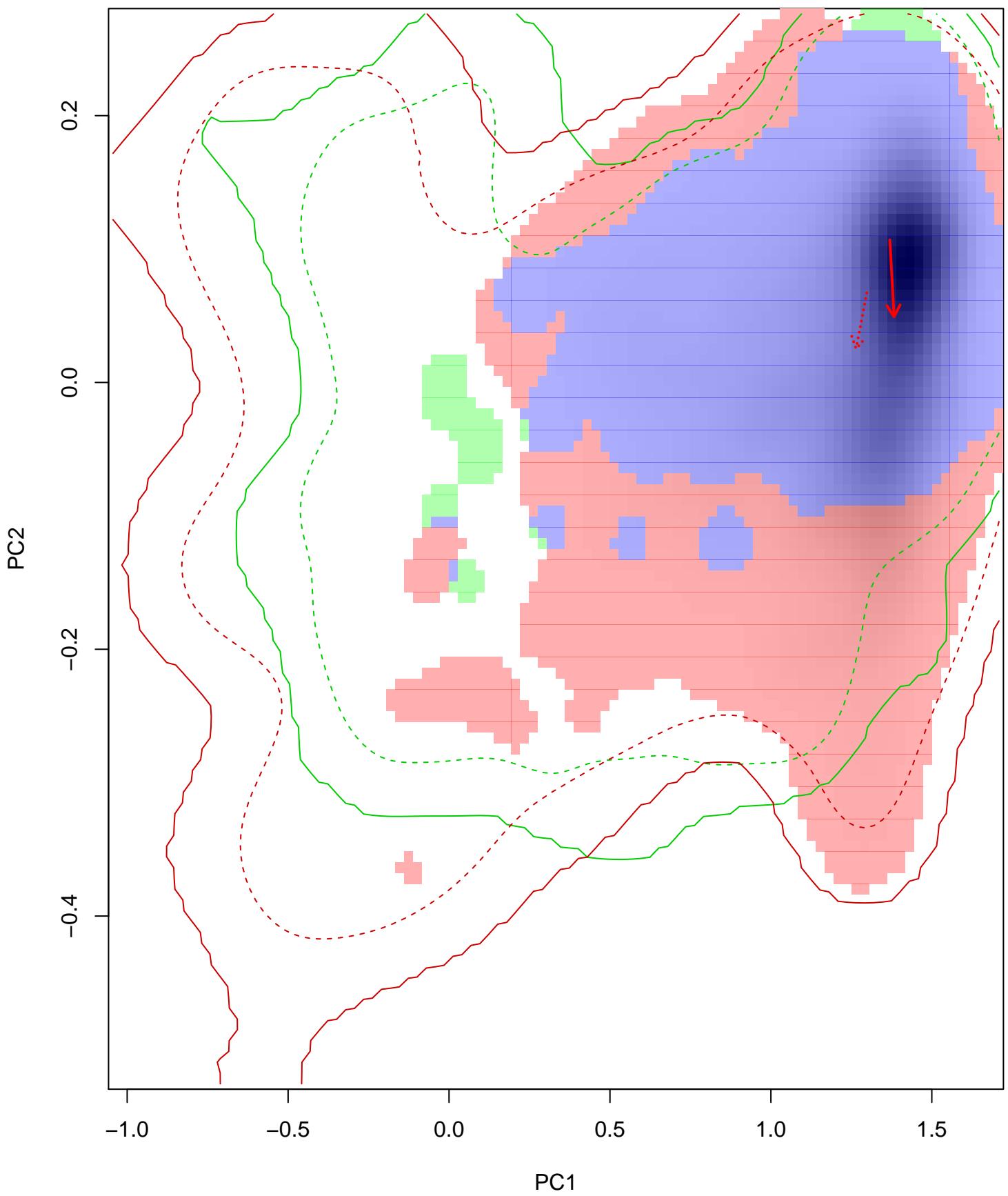
Similarity 2->1



Similarity 1→2

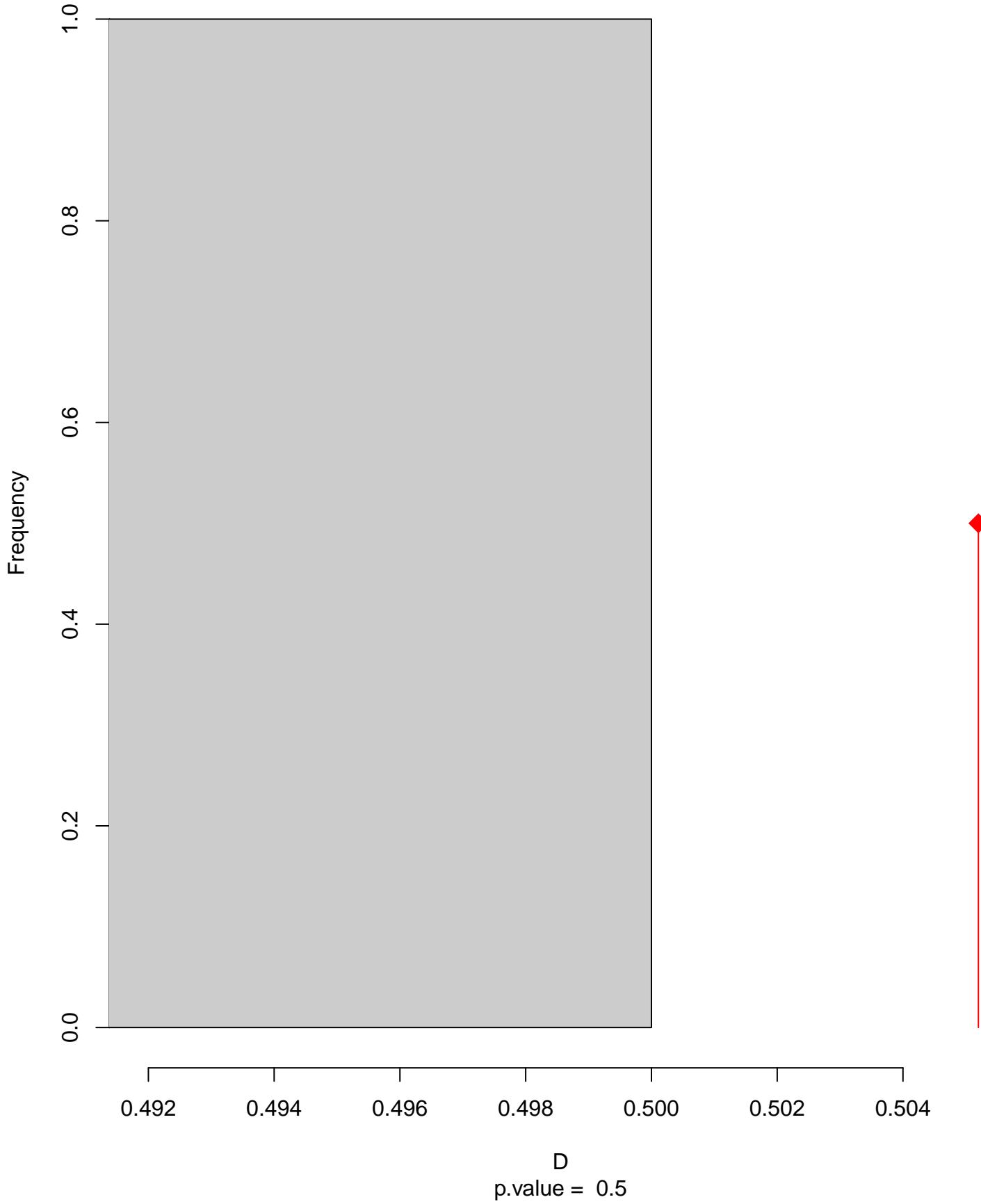


Tachycineta albiventer seasonal overlap-hypo wi

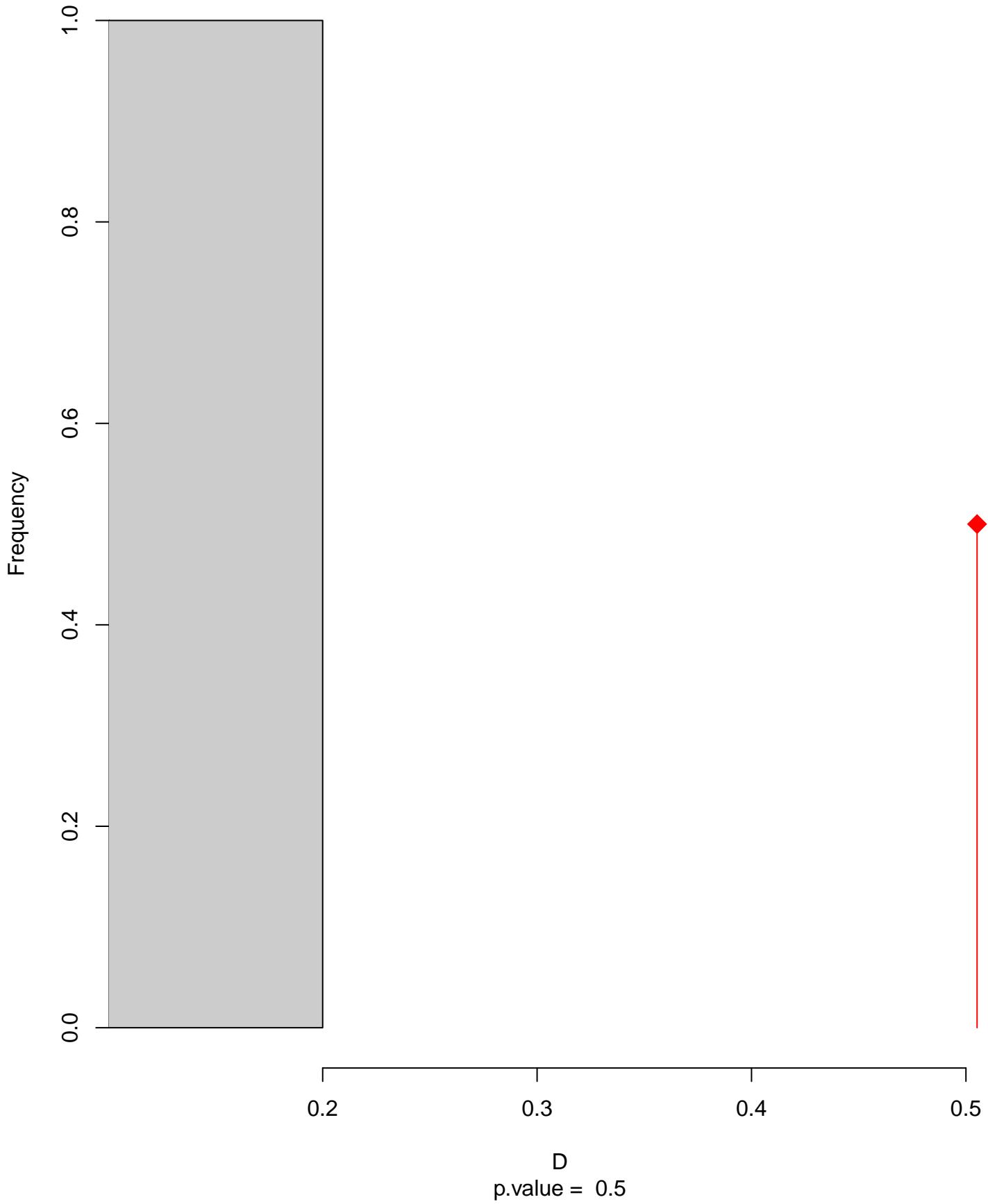


niche overlap:
 $D = 0.505$

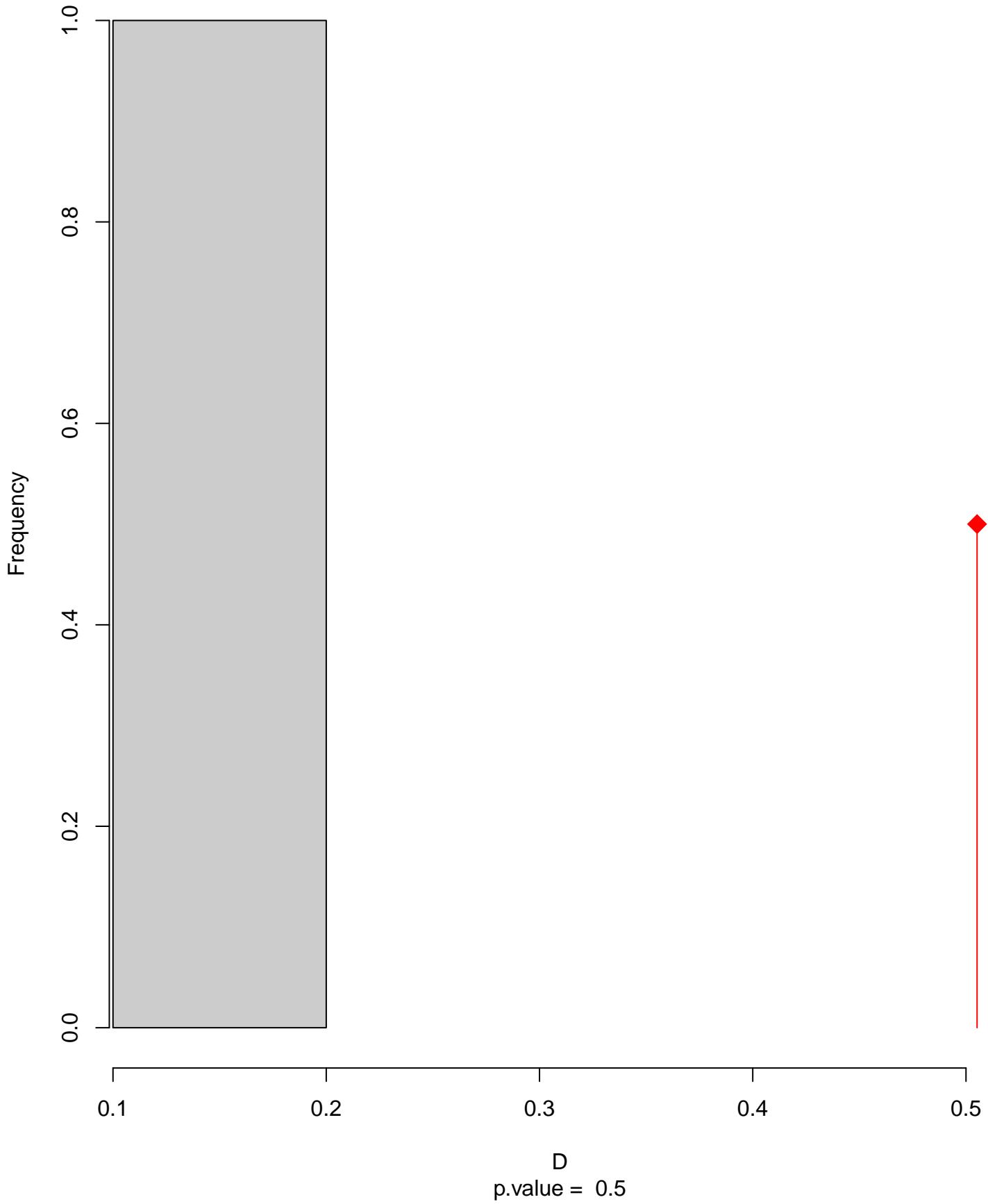
Equivalency



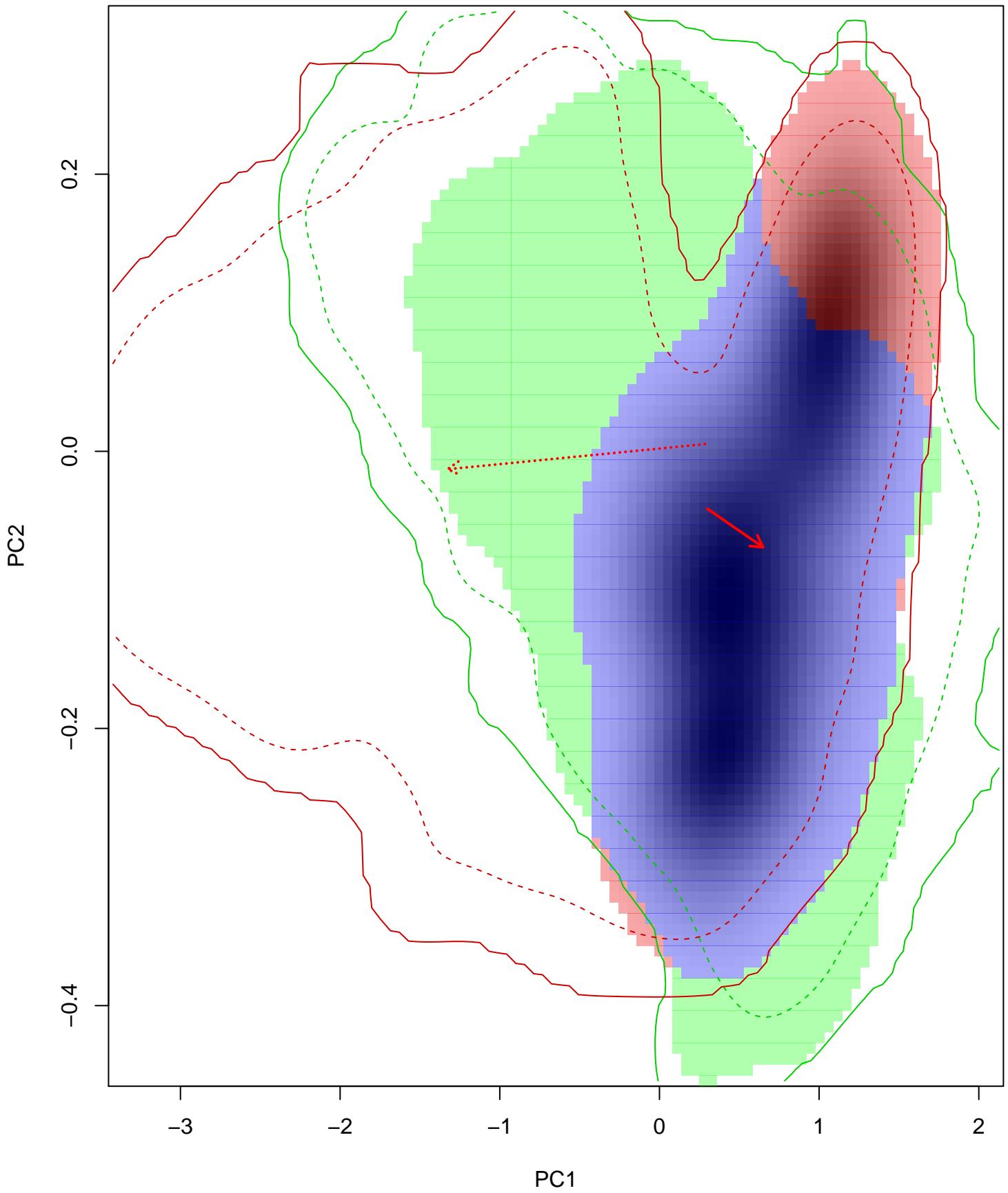
Similarity 2->1



Similarity 1→2

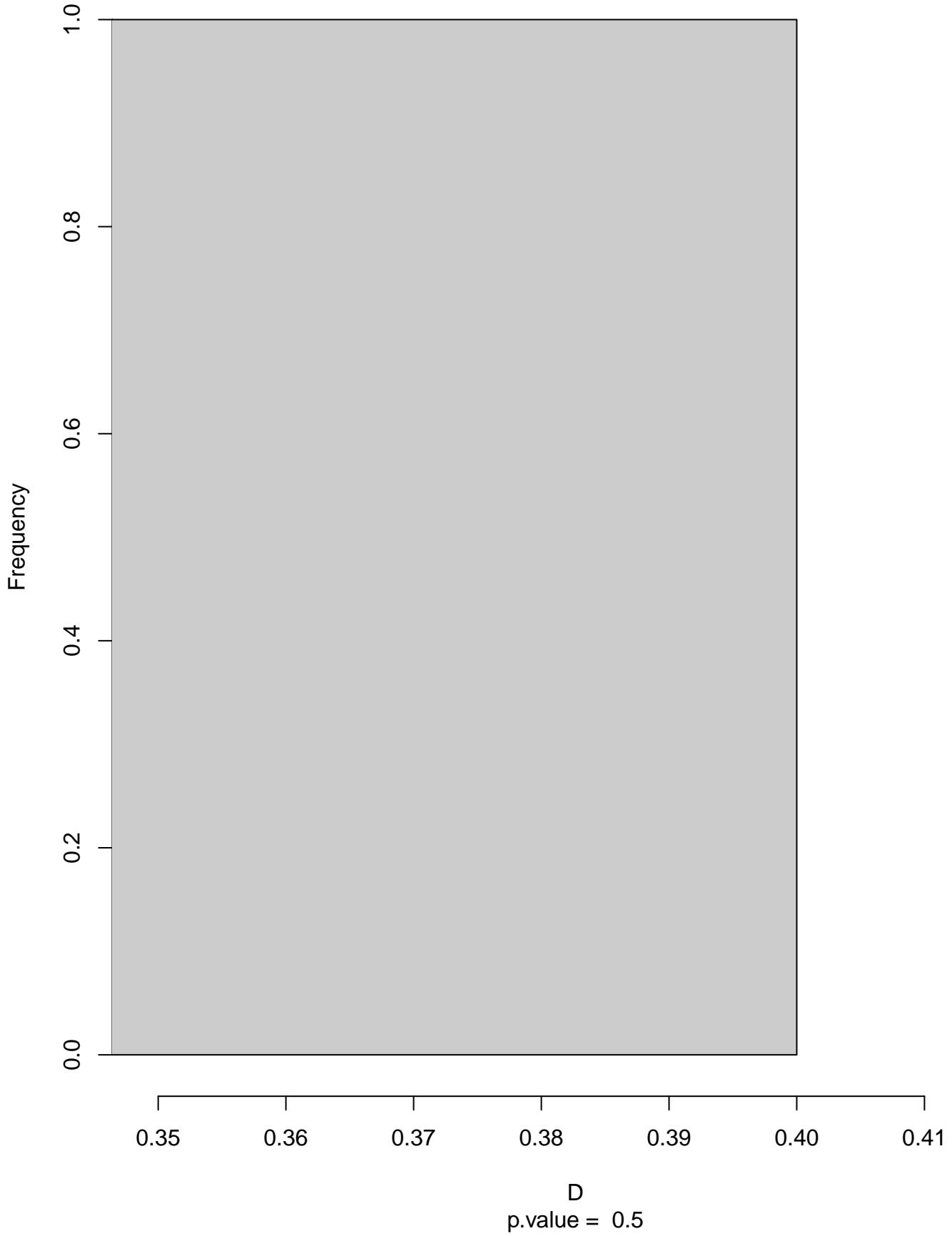


Tachycineta_bicolor seasonal overlap

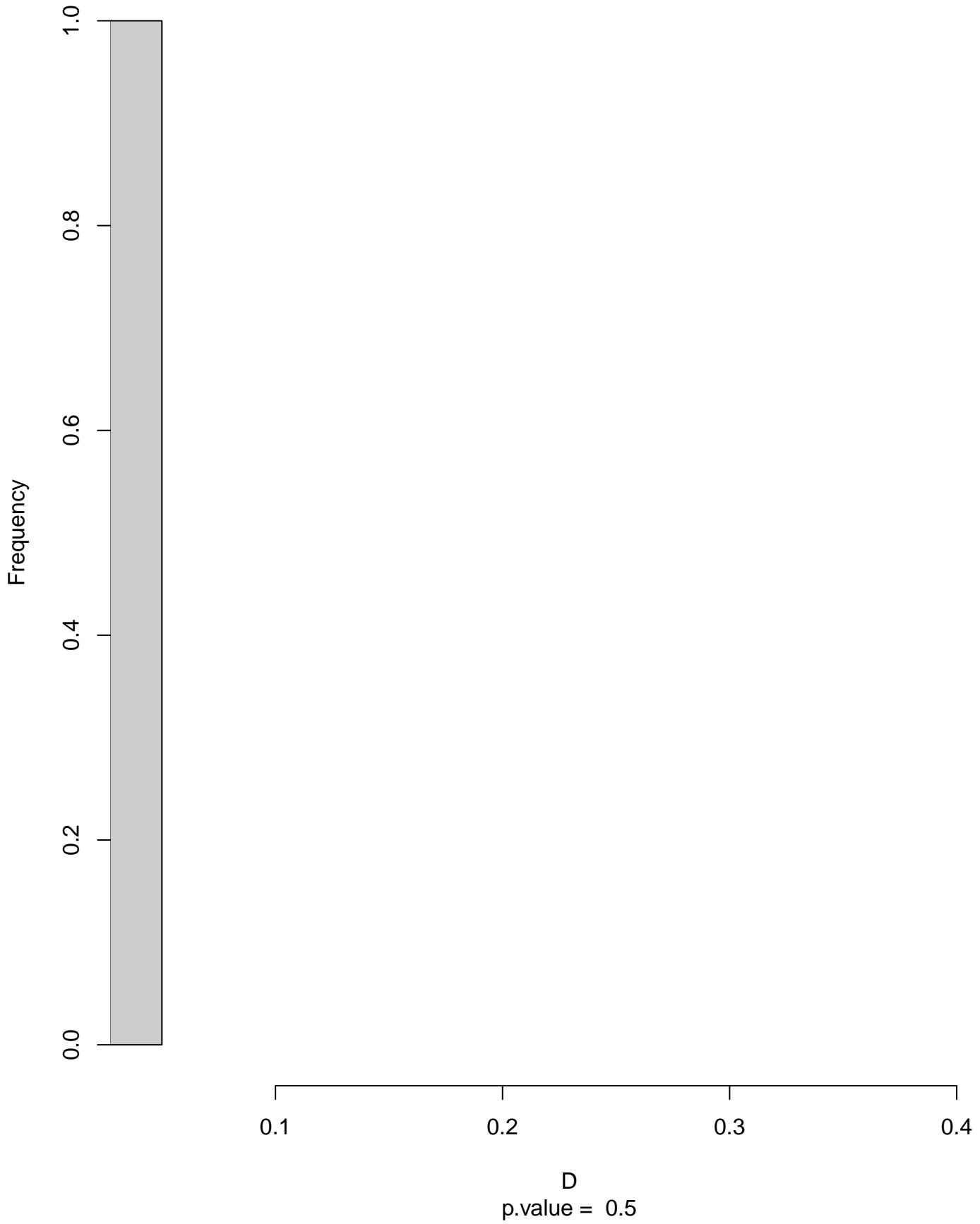


niche overlap:
 $D = 0.416$

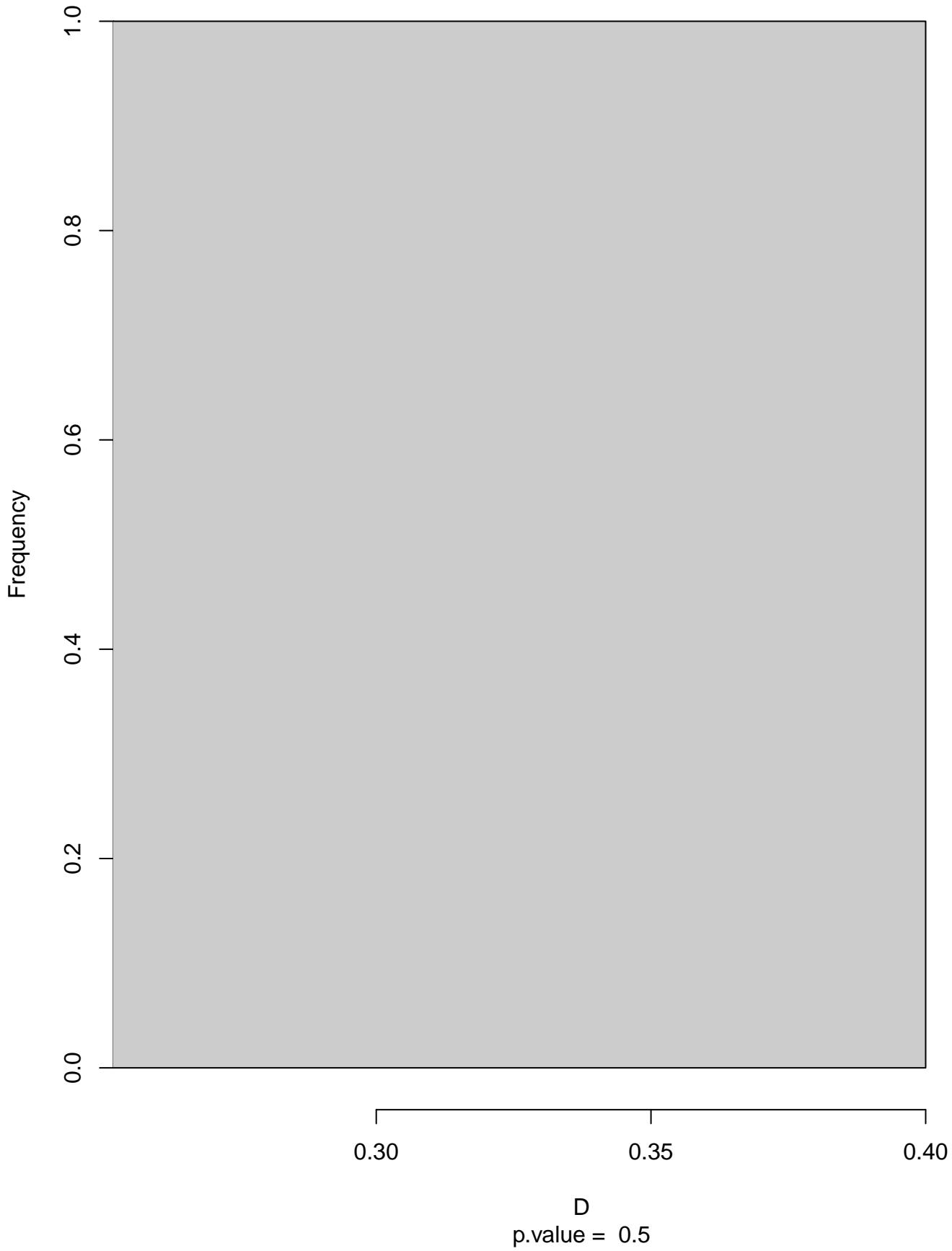
Equivalency



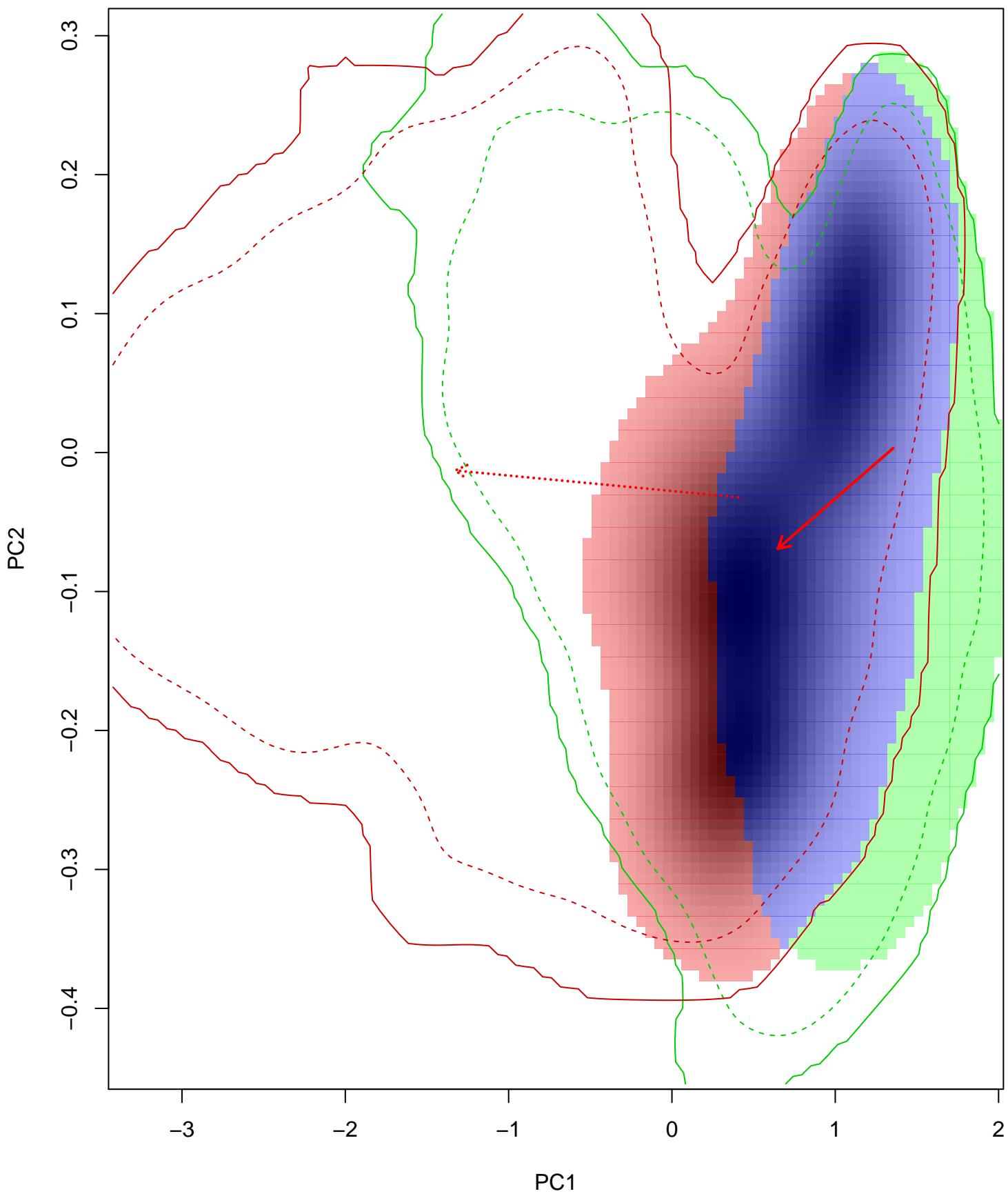
Similarity 2->1



Similarity 1→2

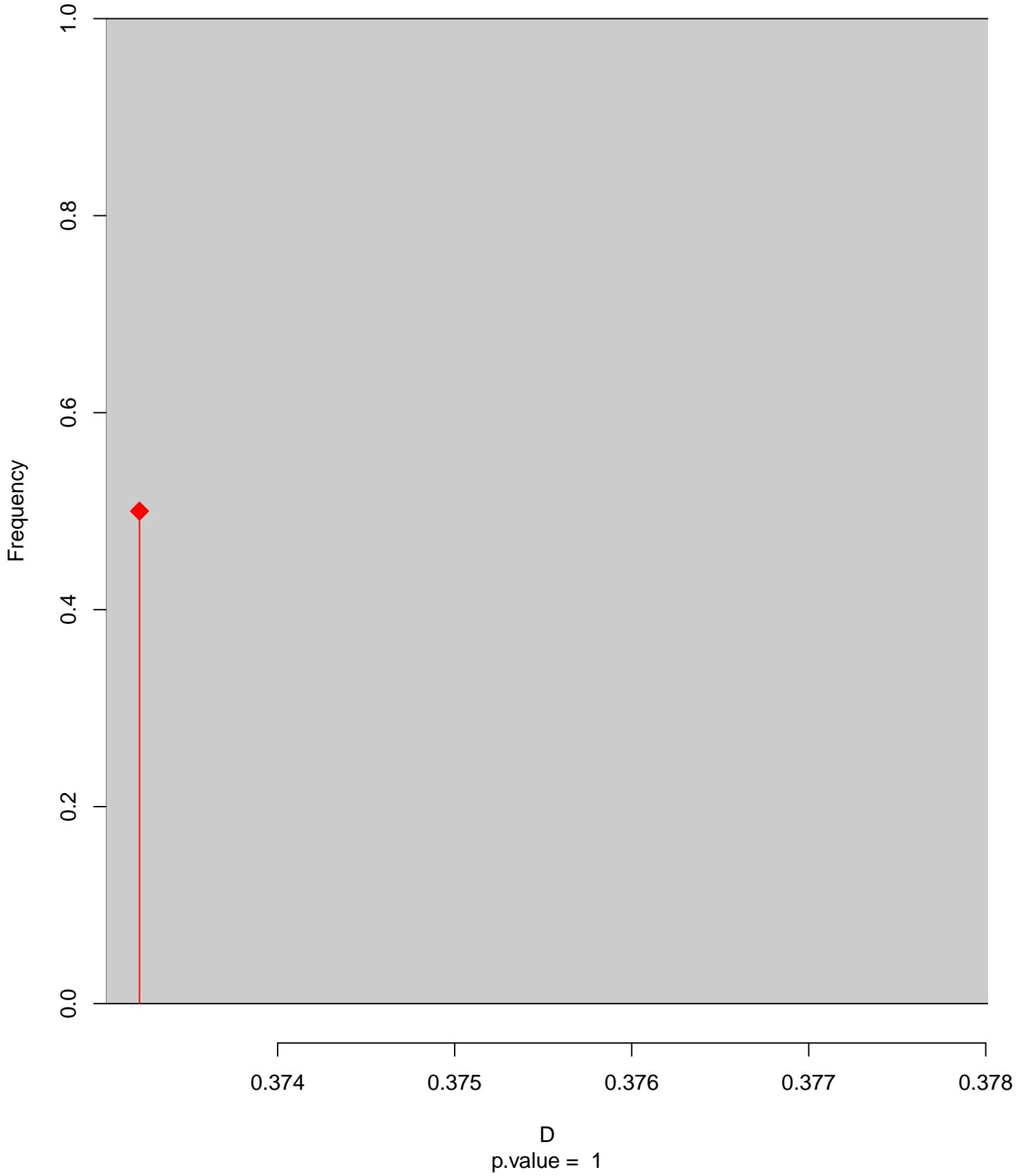


Tachycineta_bicolor seasonal overlap-hypo.br

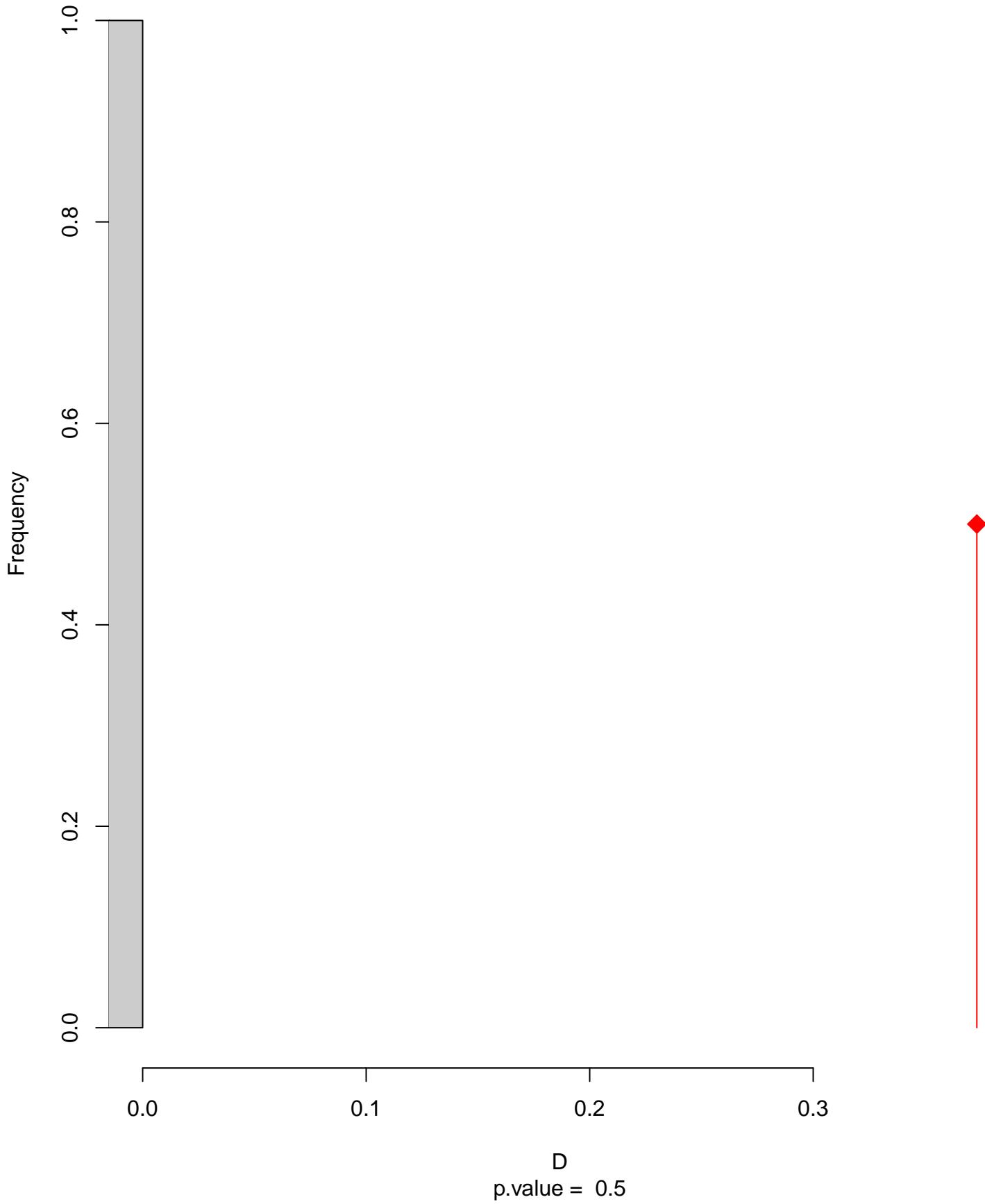


niche overlap:
 $D = 0.373$

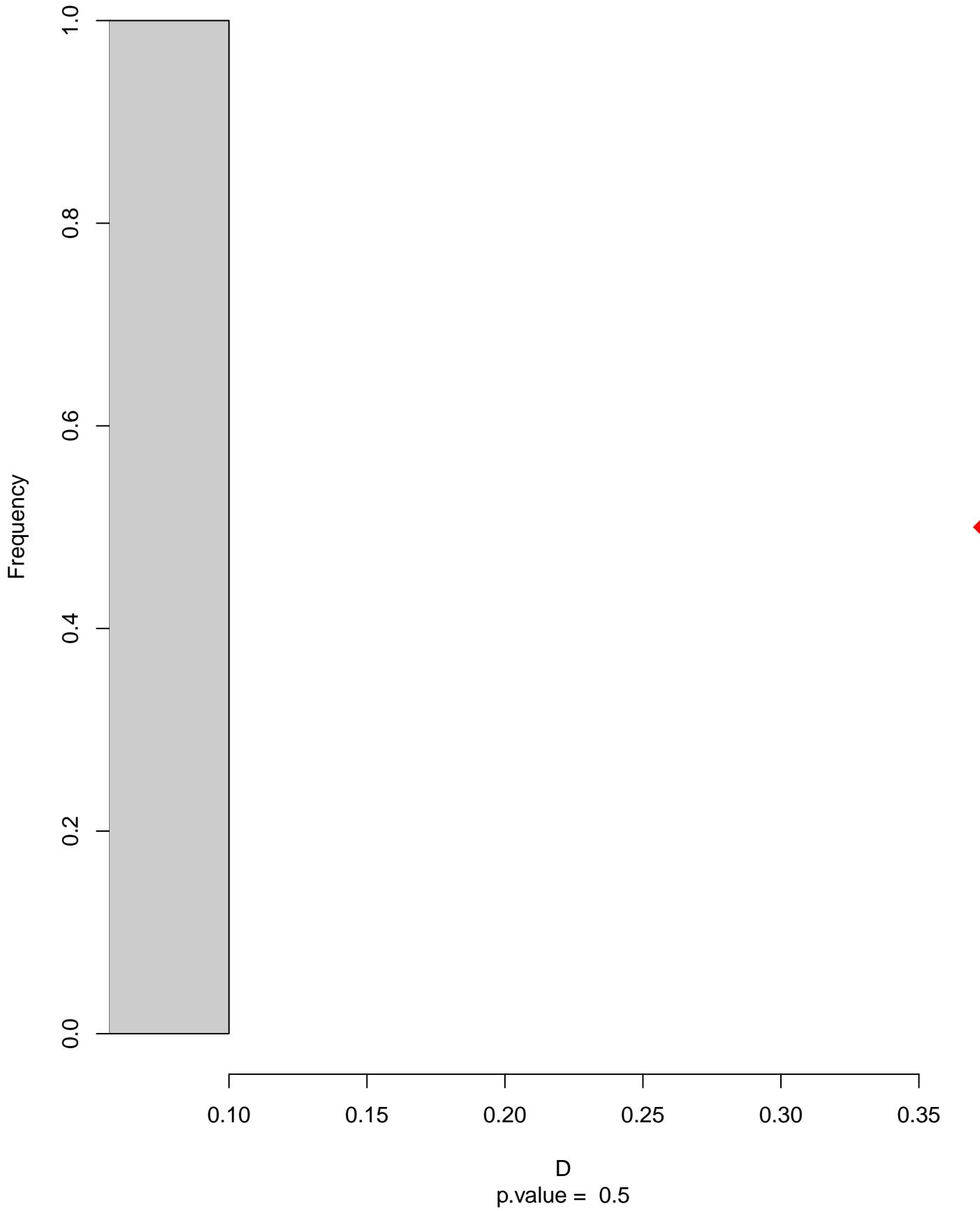
Equivalency



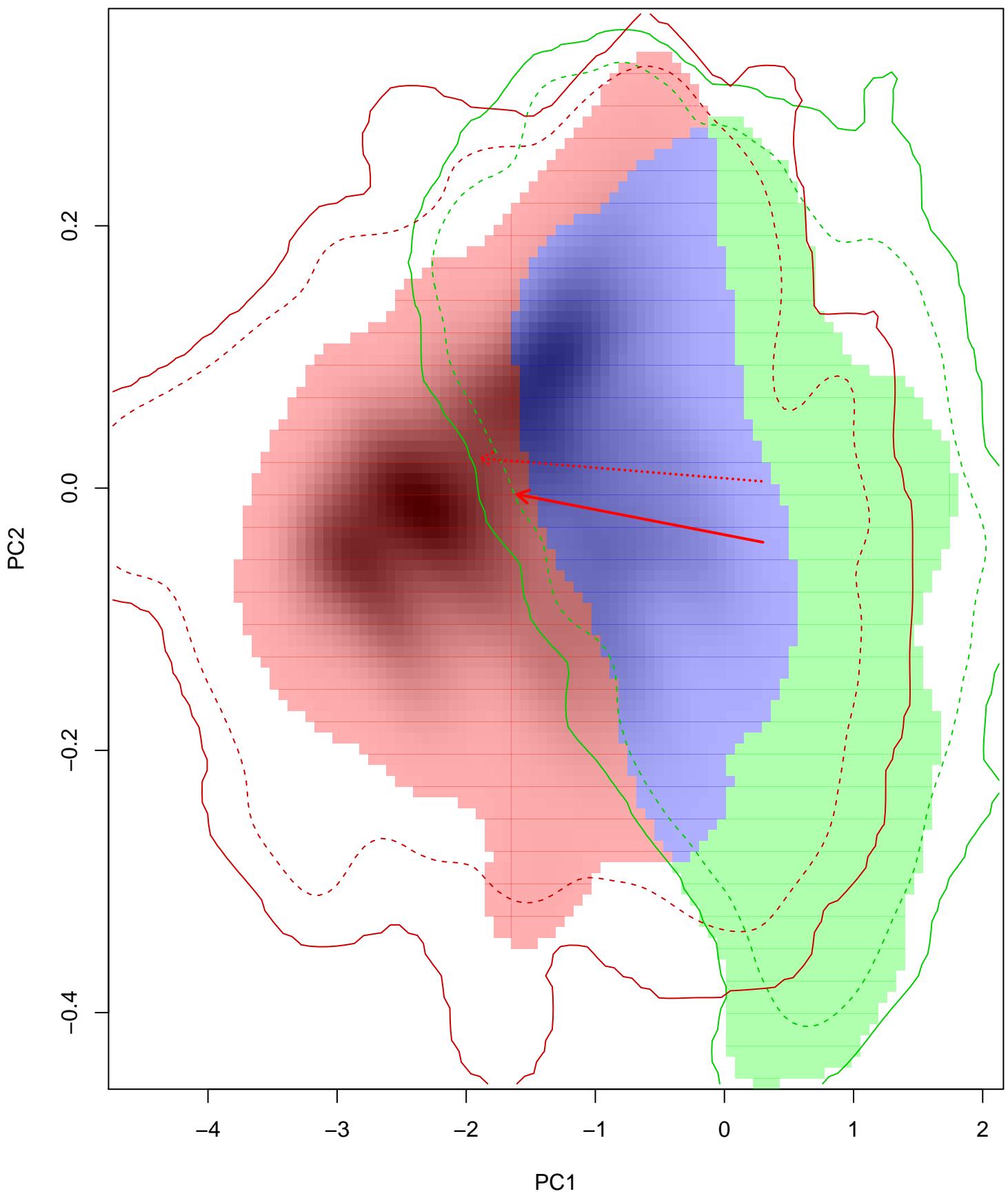
Similarity 2->1



Similarity 1→2

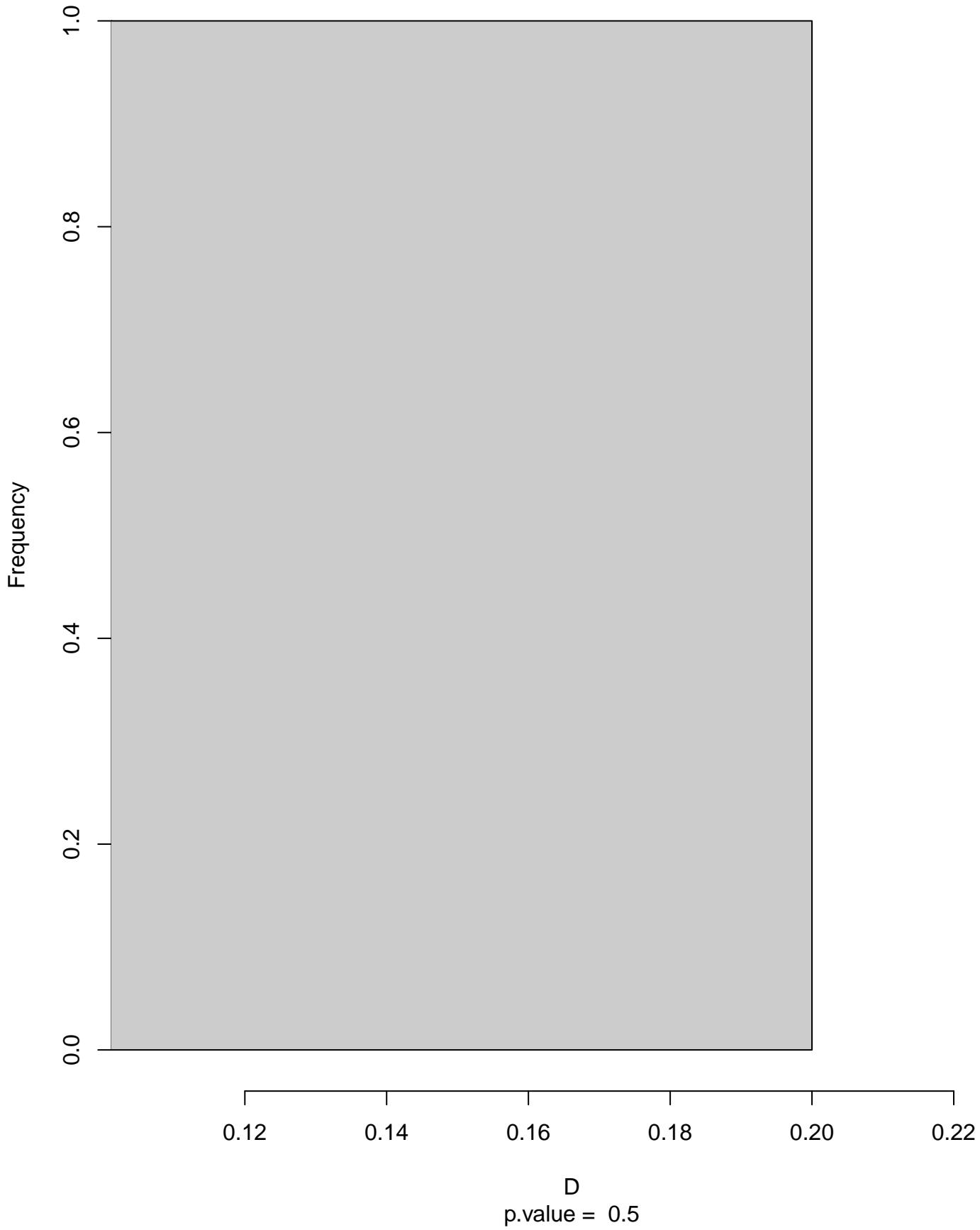


Tachycineta_bicolor seasonal overlap-hypo wi

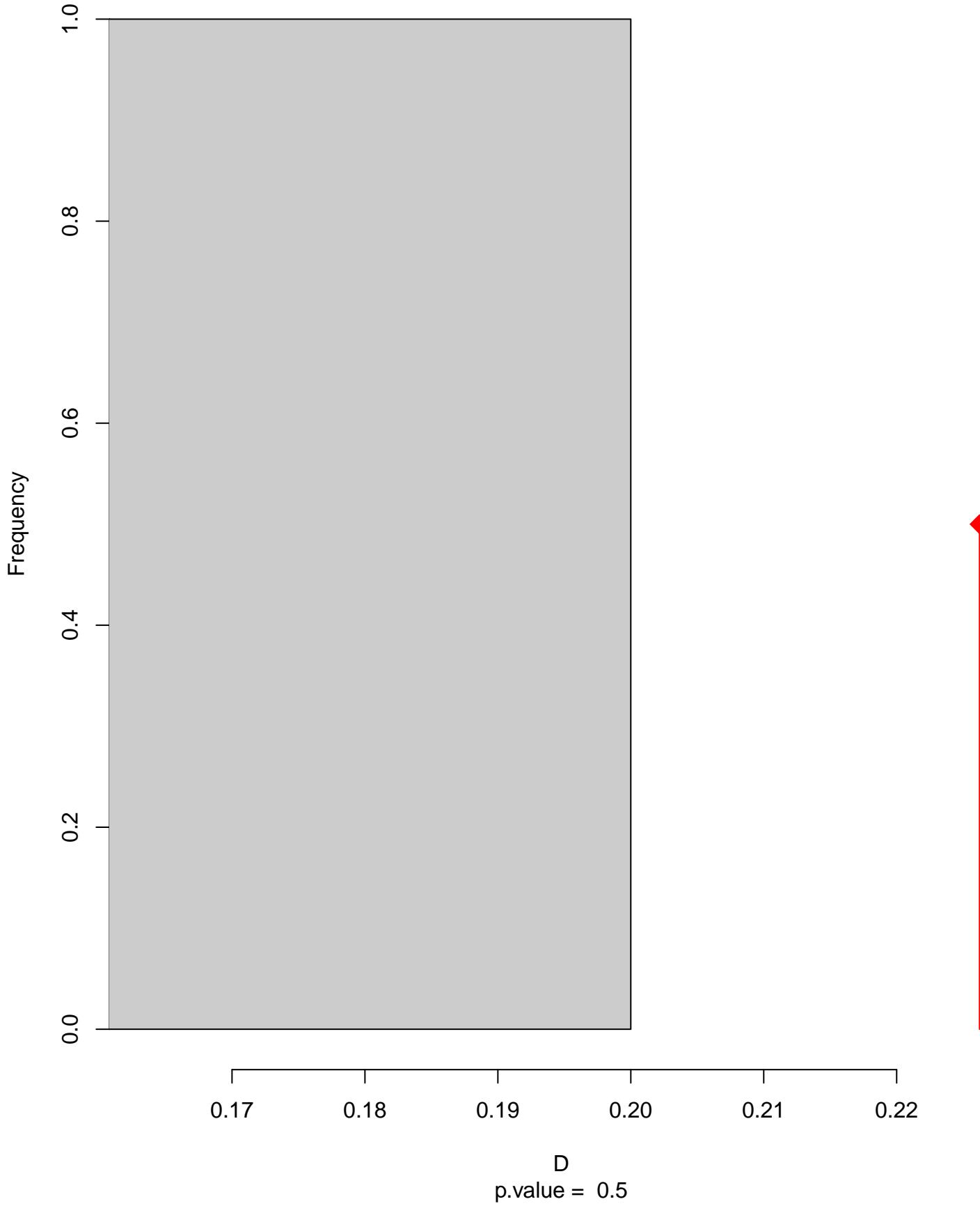


niche overlap:
 $D = 0.226$

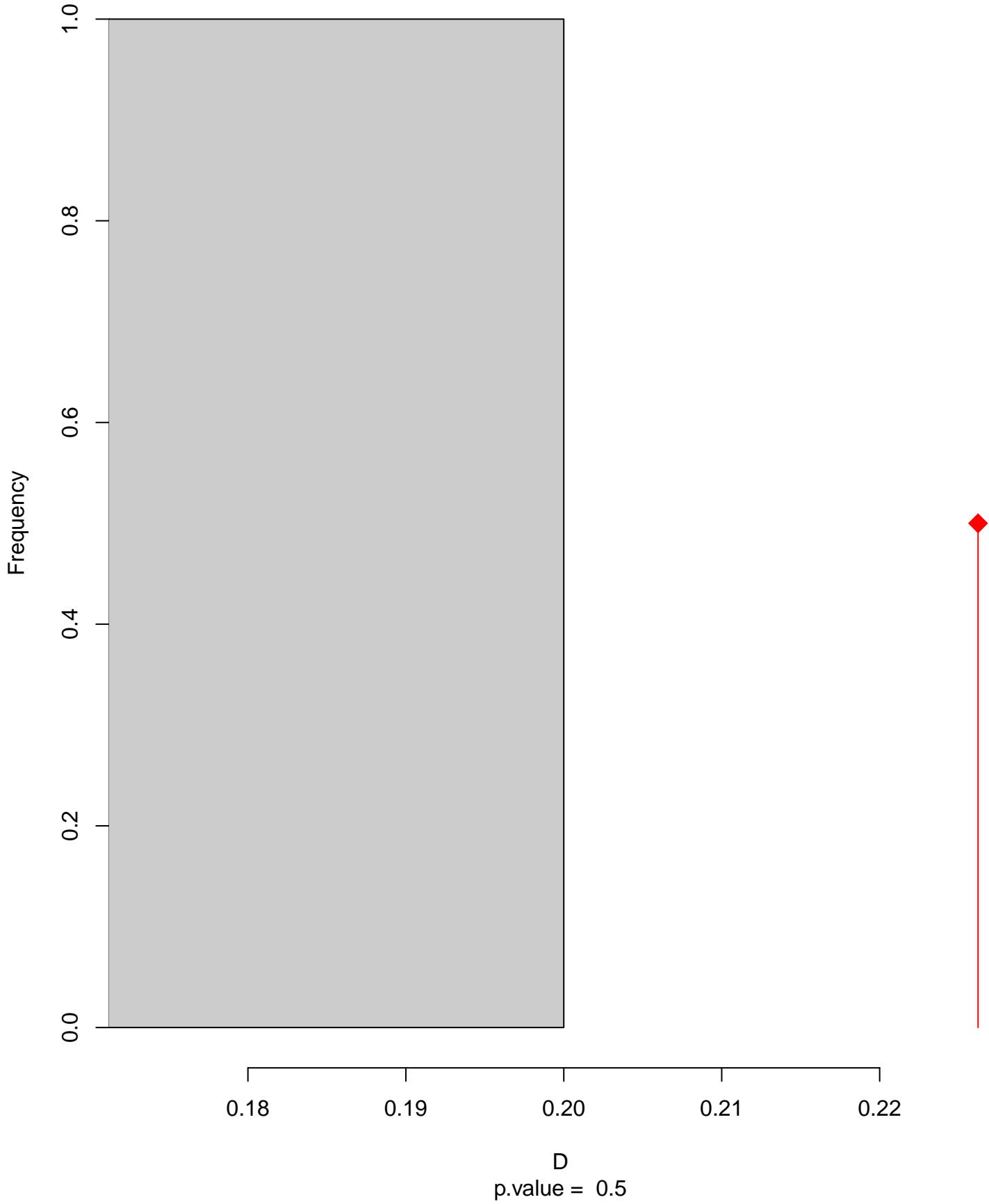
Equivalency



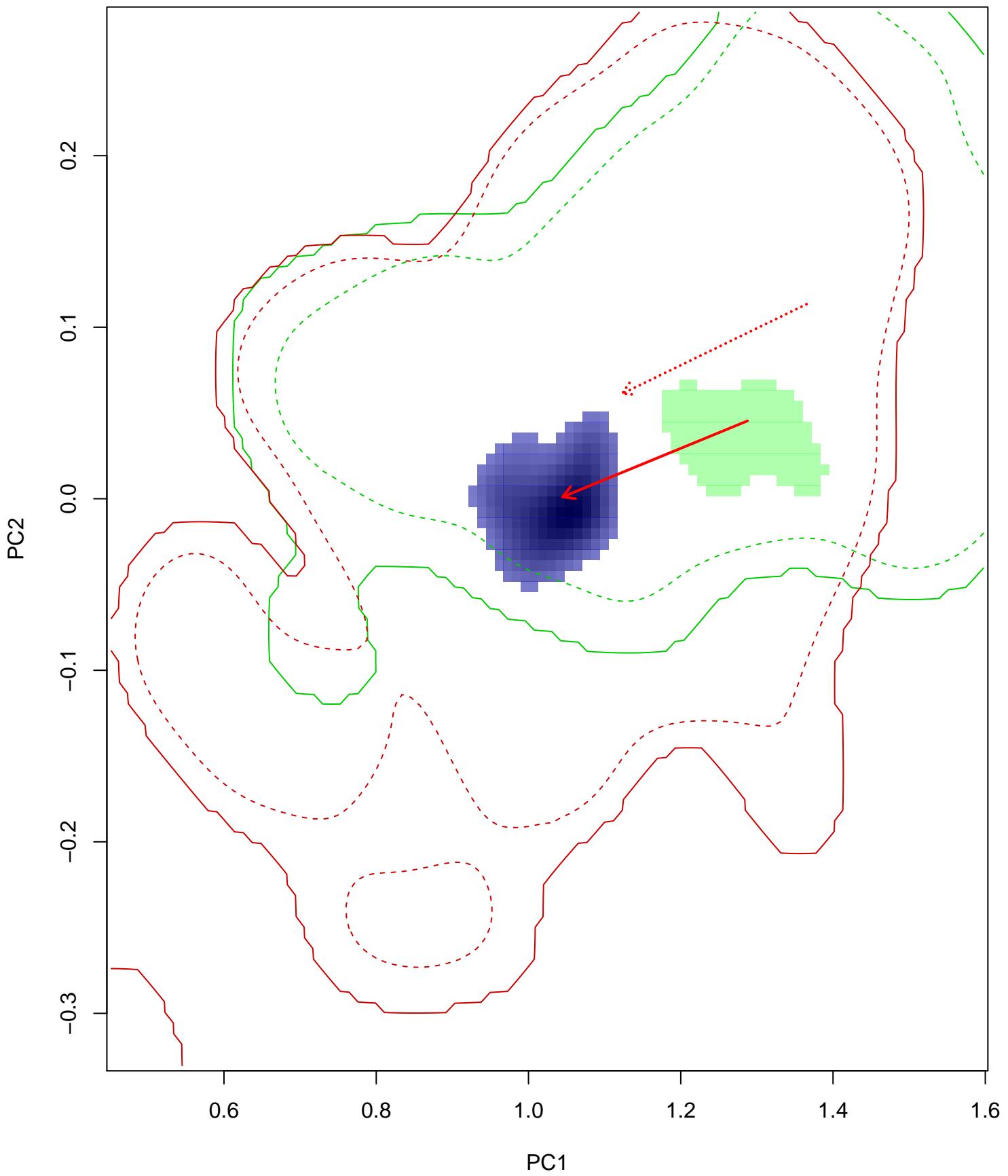
Similarity 2->1



Similarity 1→2

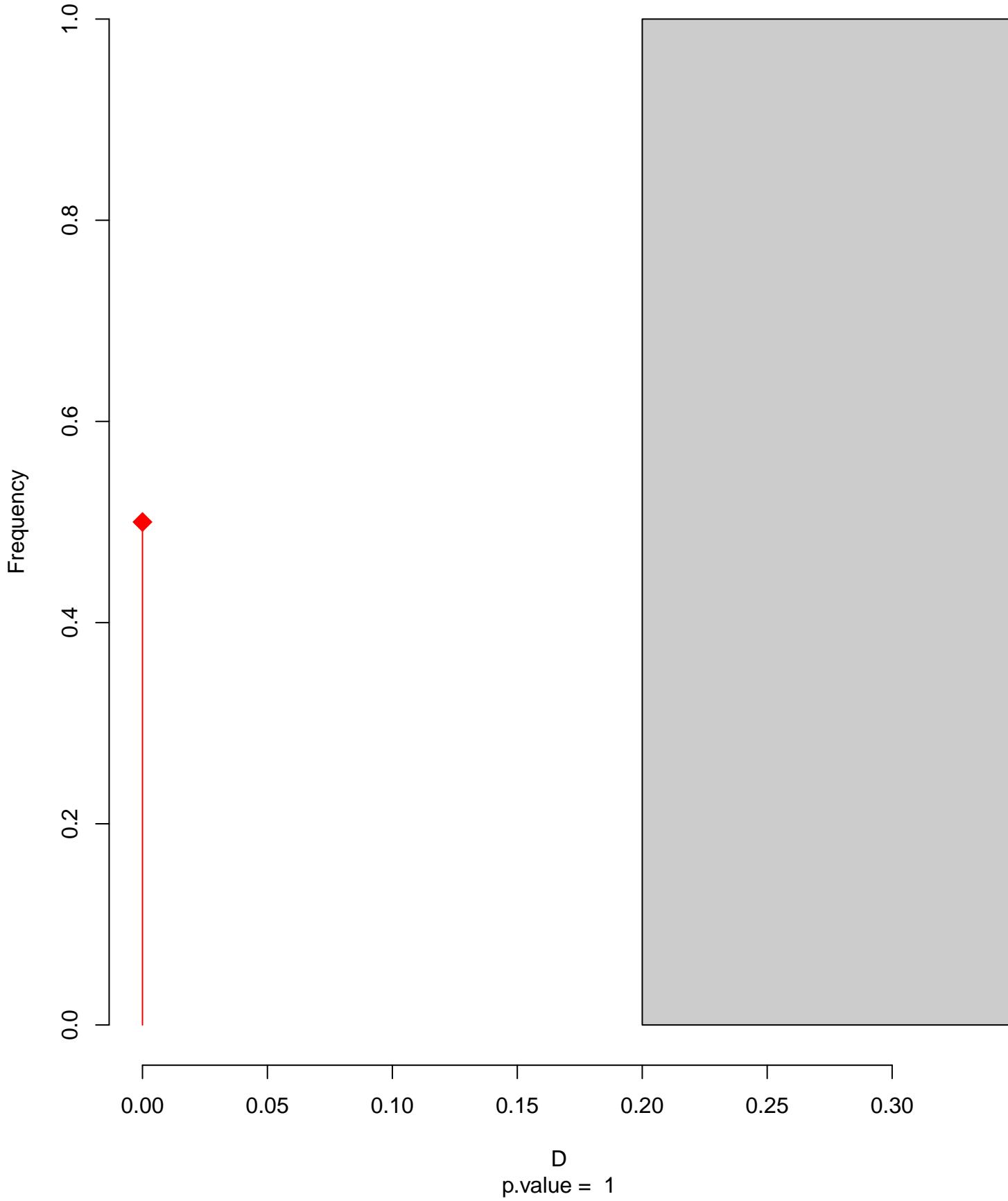


Tachycineta_euchrysea seasonal overlap

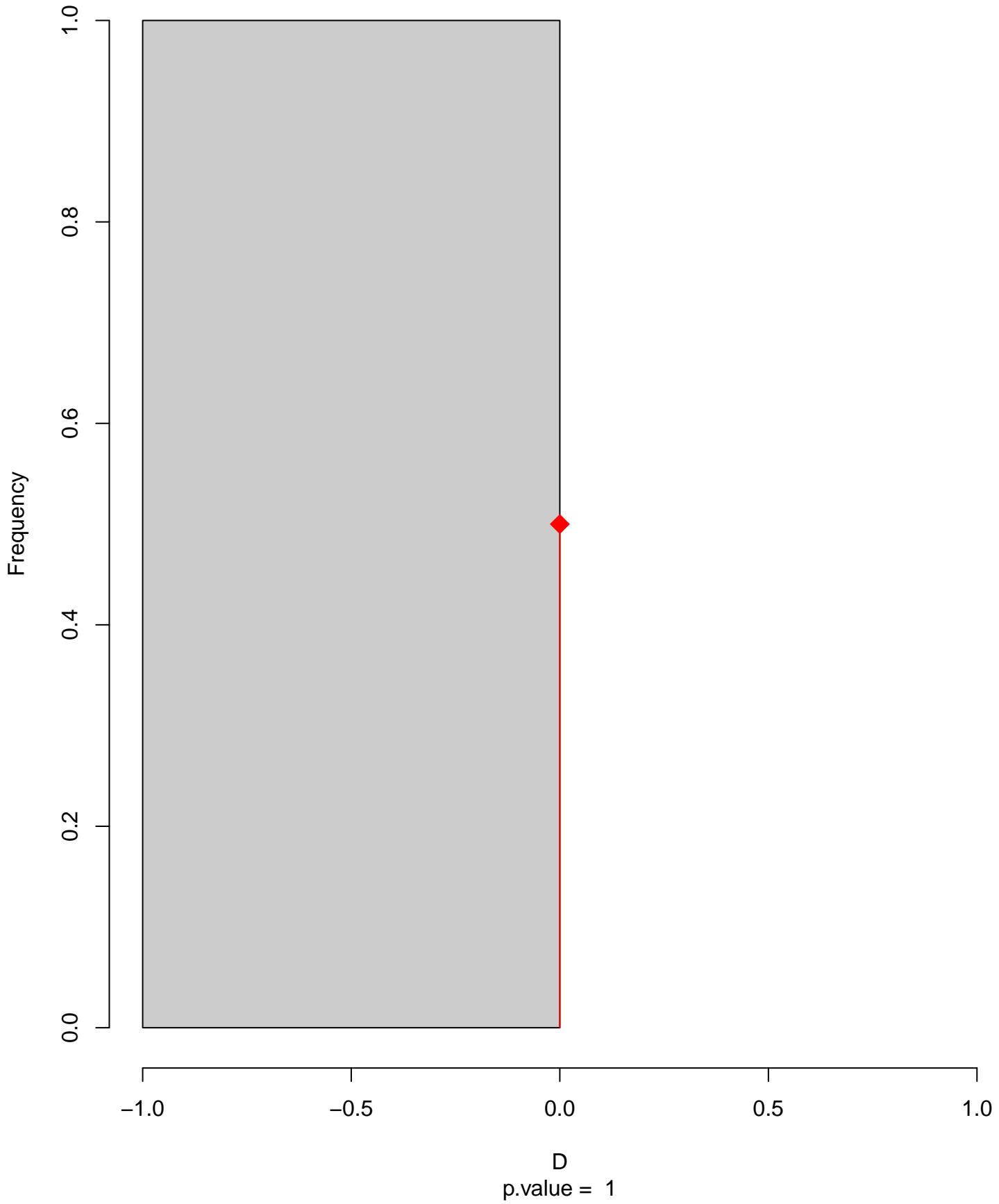


niche overlap:
 $D=0$

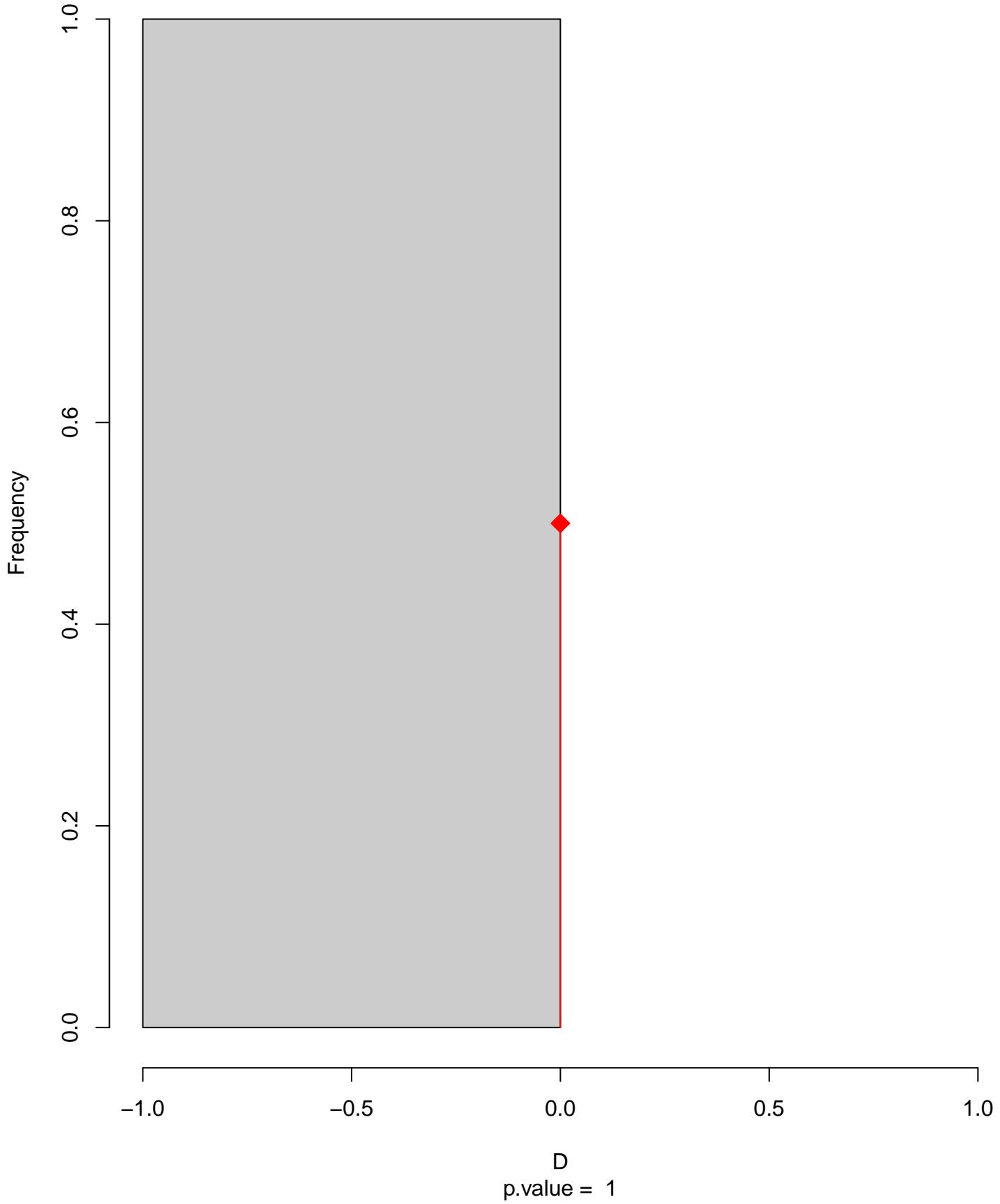
Equivalency



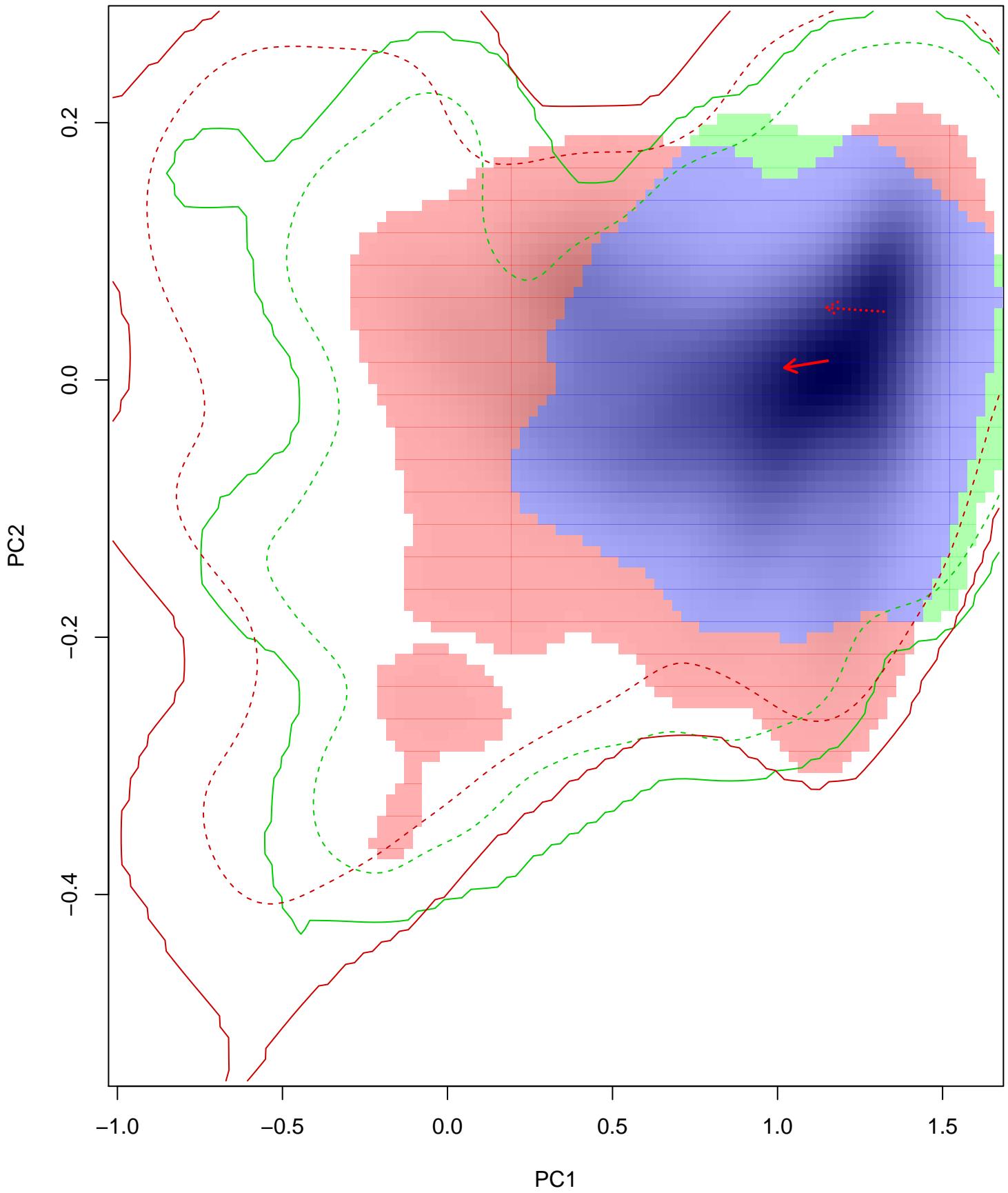
Similarity 2->1



Similarity 1→2

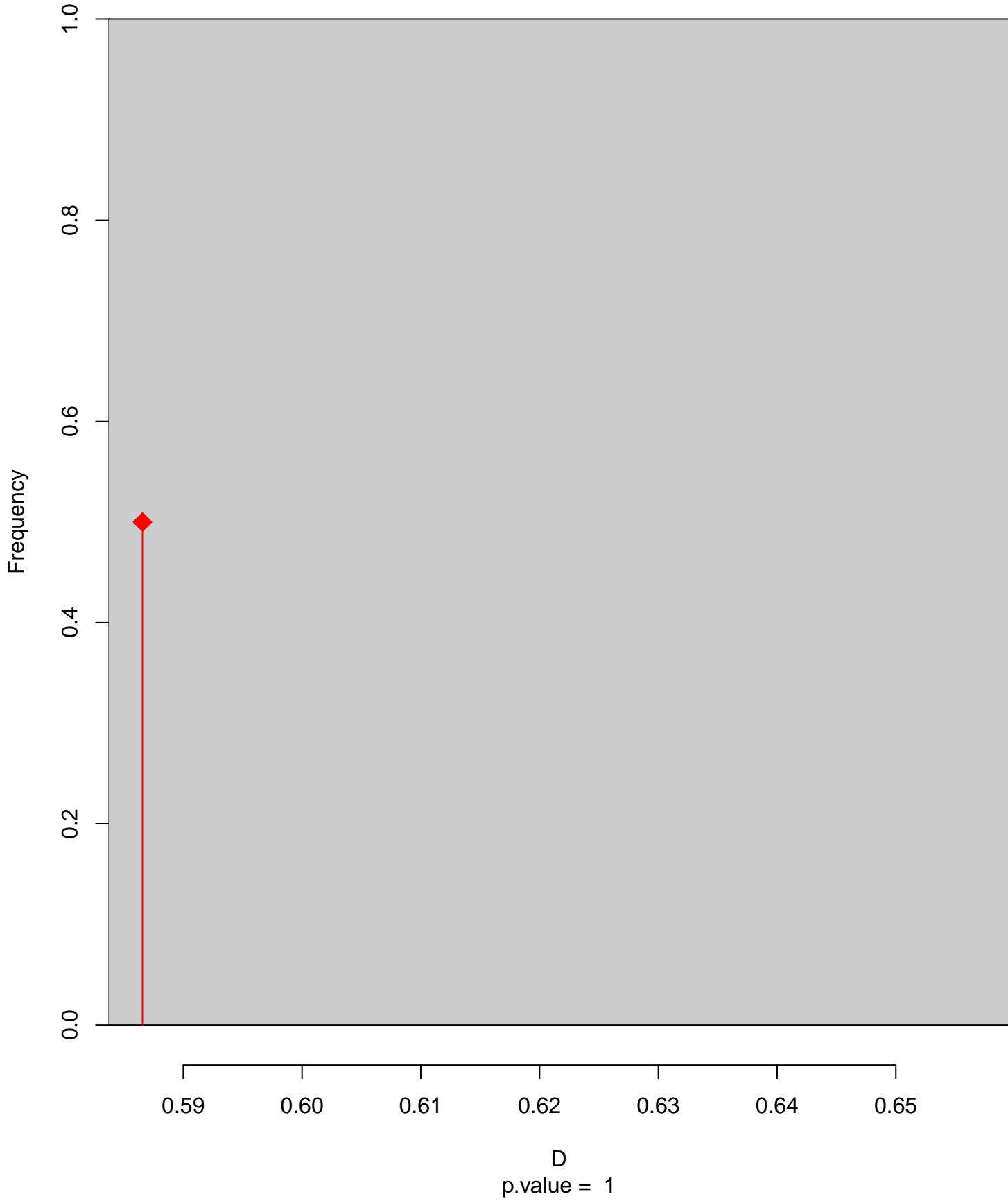


Tachycineta_leucorrhoa seasonal overlap

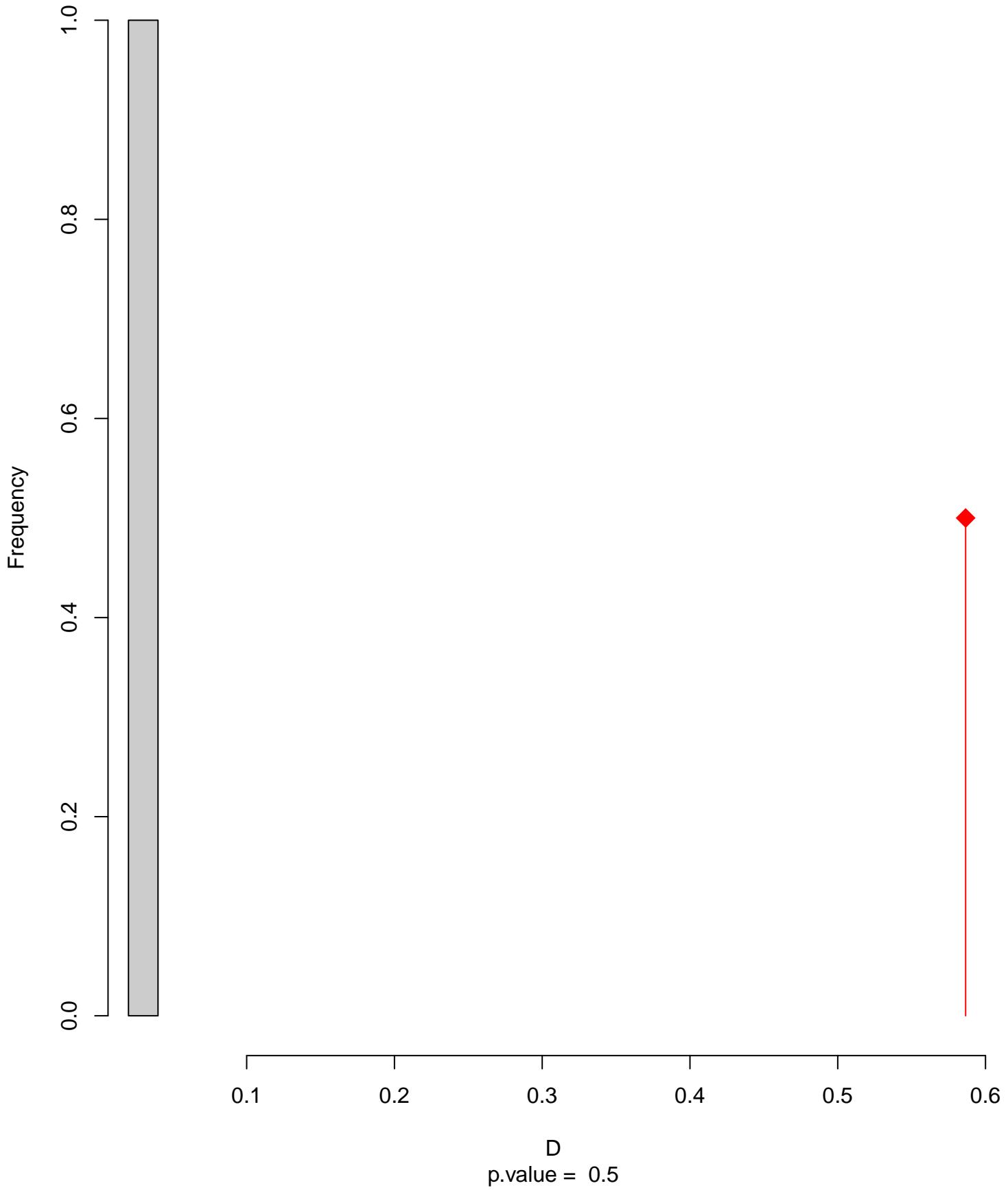


niche overlap:
 $D = 0.587$

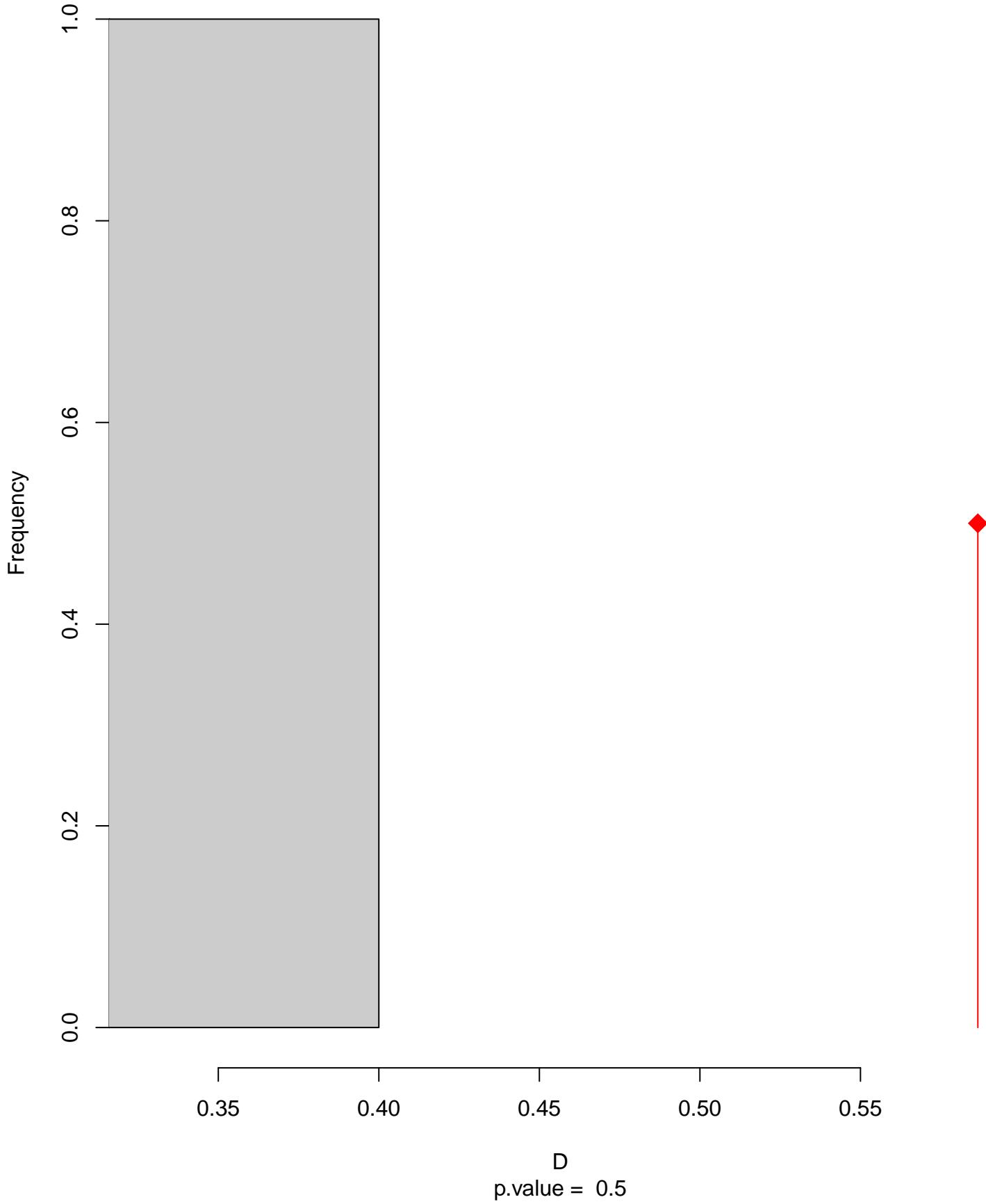
Equivalency



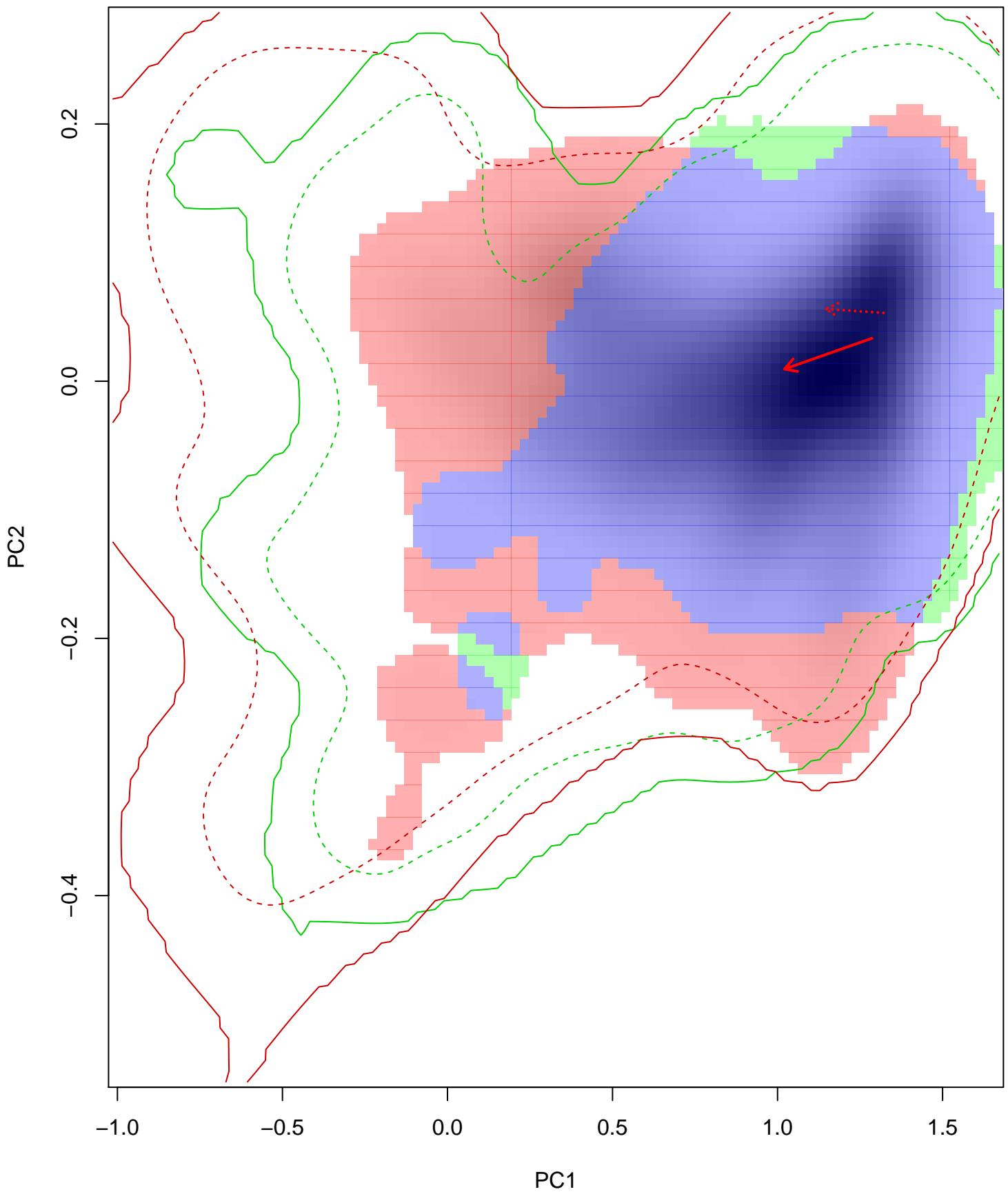
Similarity 2->1



Similarity 1→2

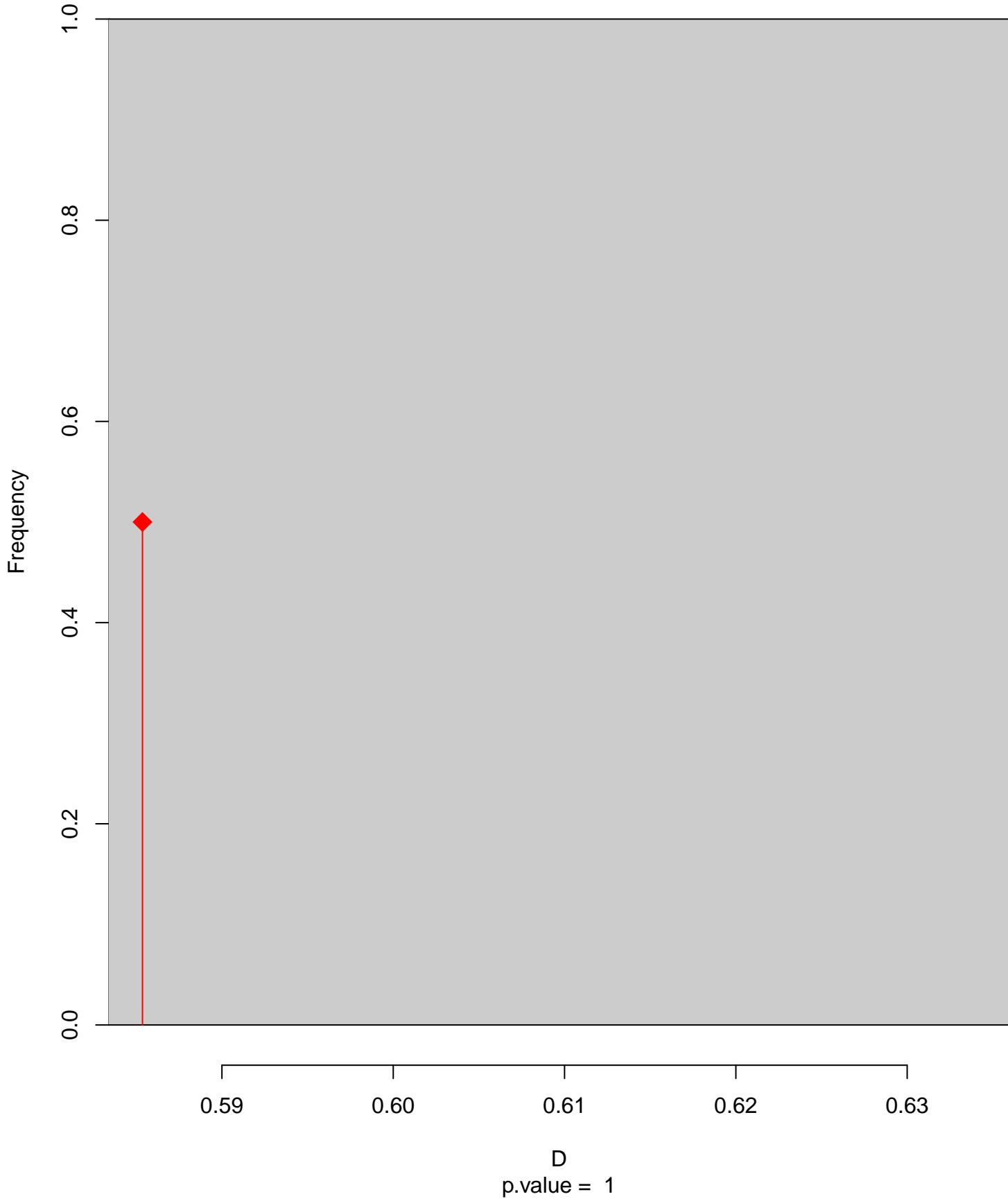


Tachycineta_leucorrhoa seasonal overlap–hypo.br

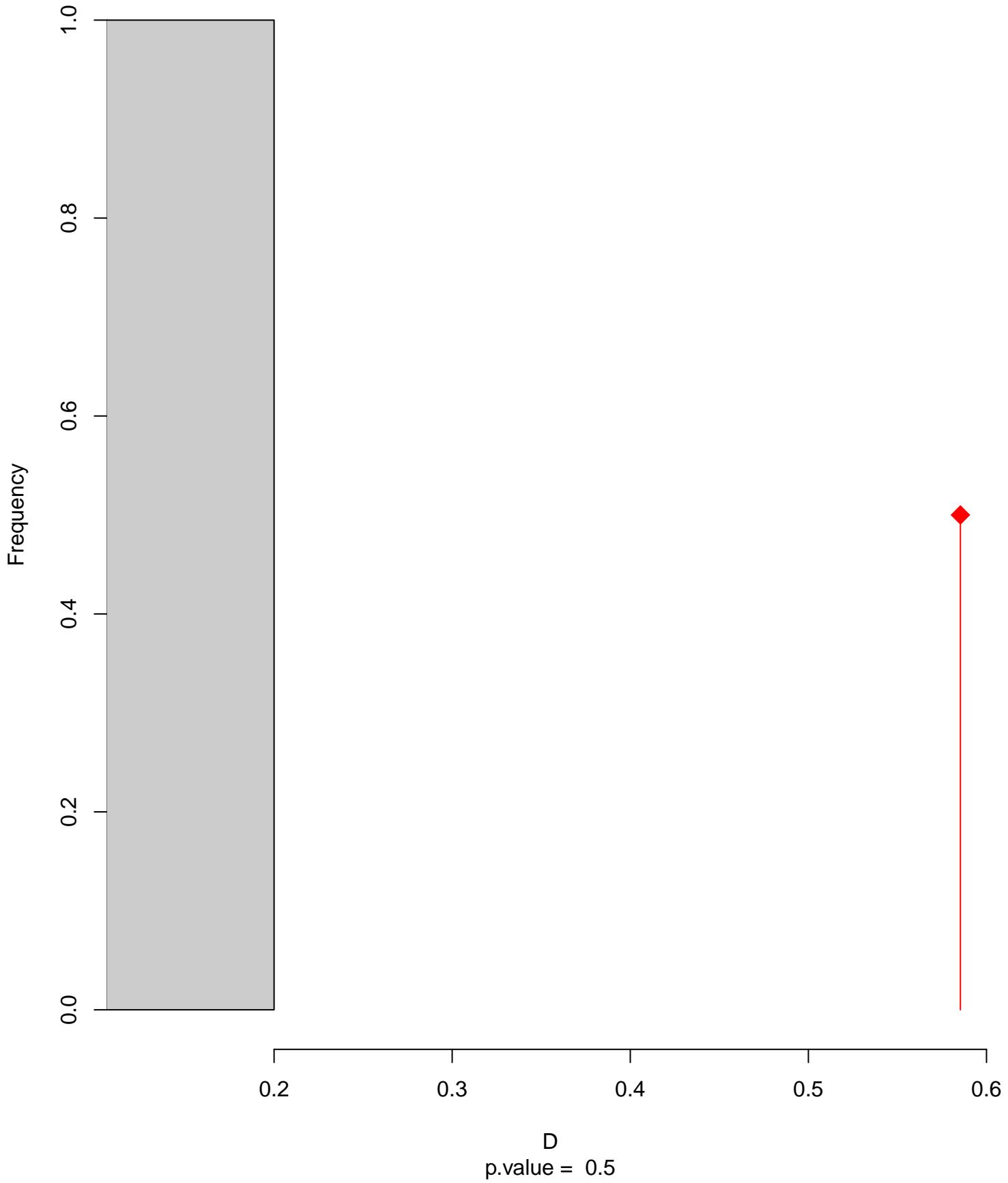


niche overlap:
 $D = 0.585$

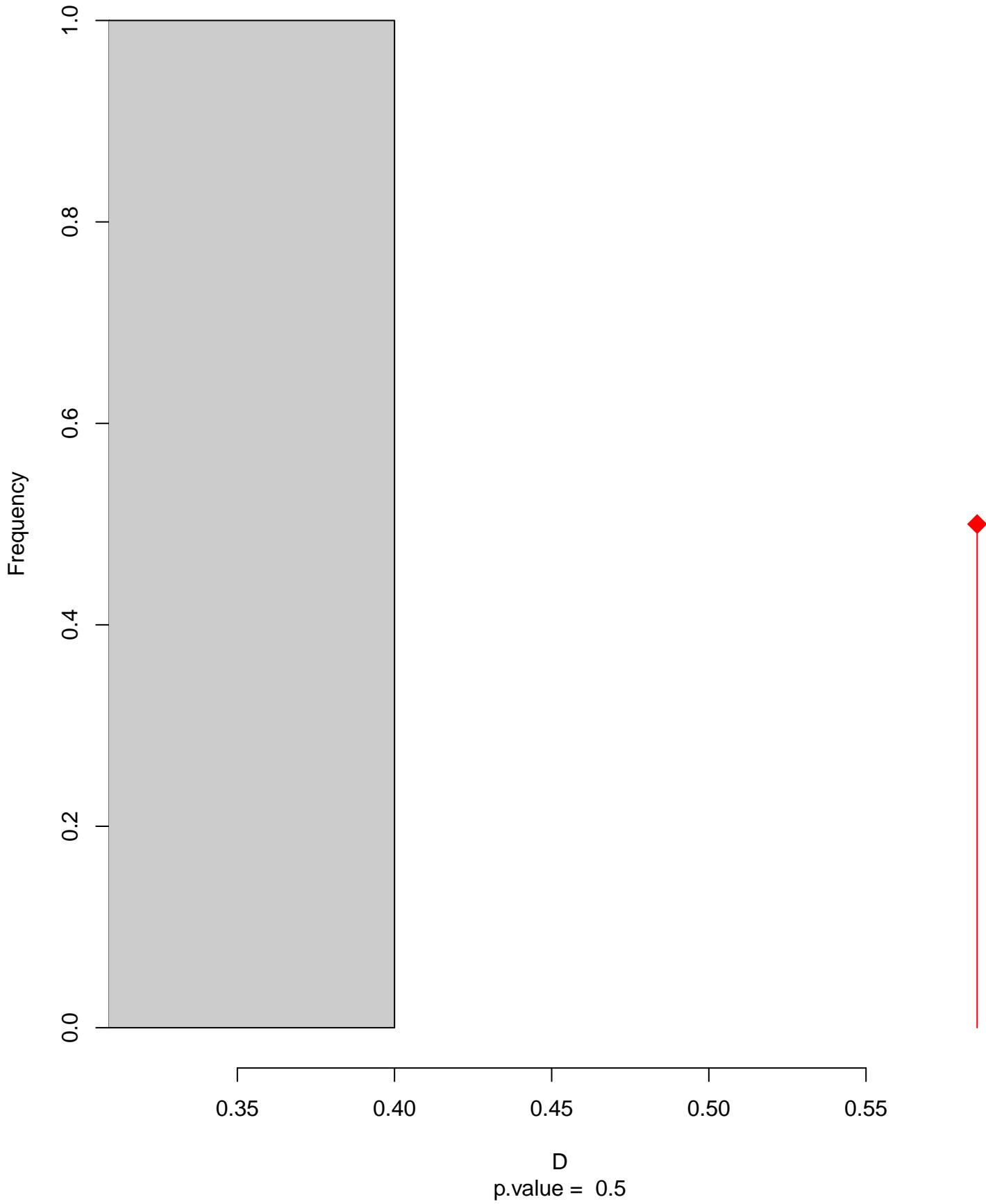
Equivalency



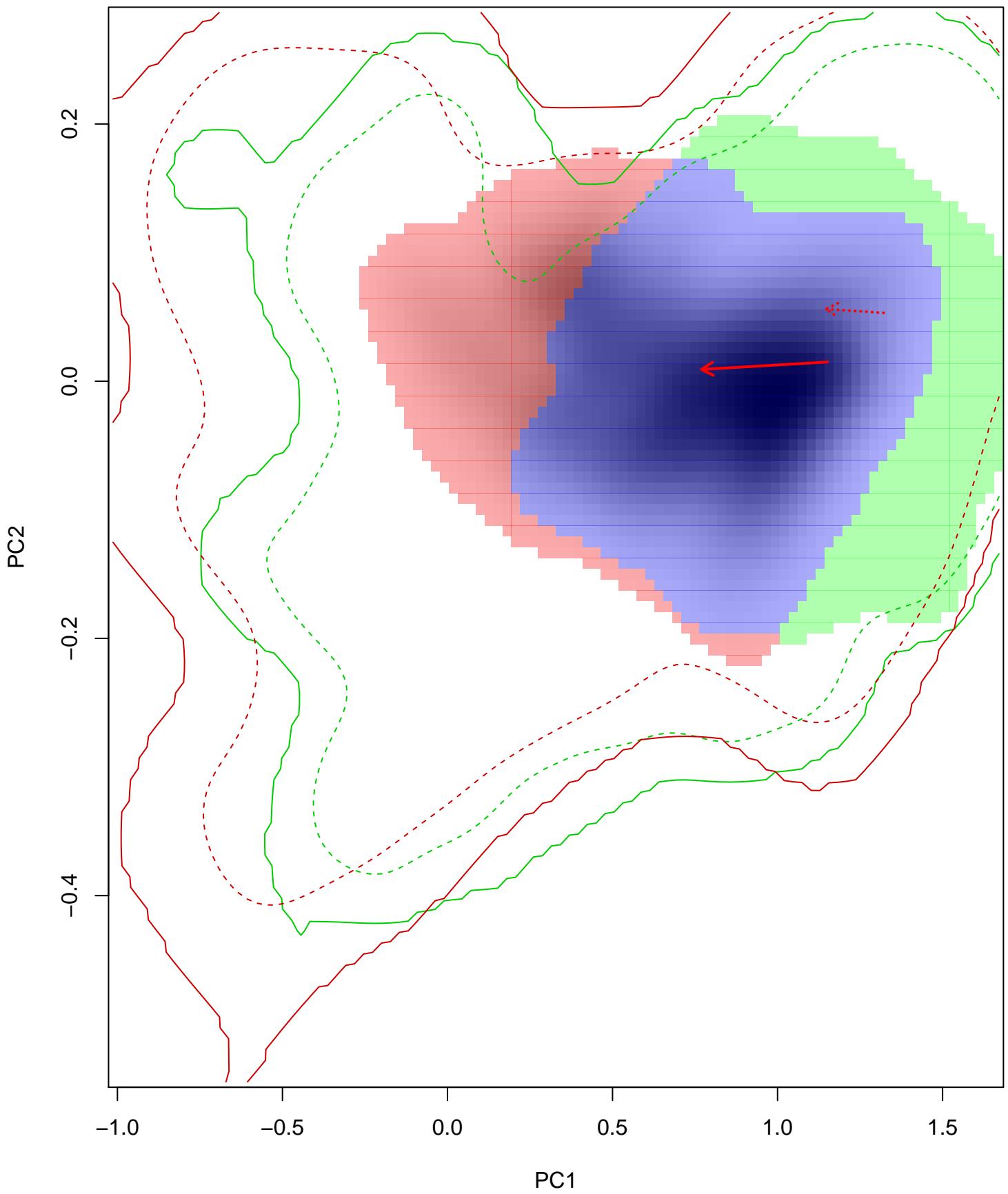
Similarity 2->1



Similarity 1→2

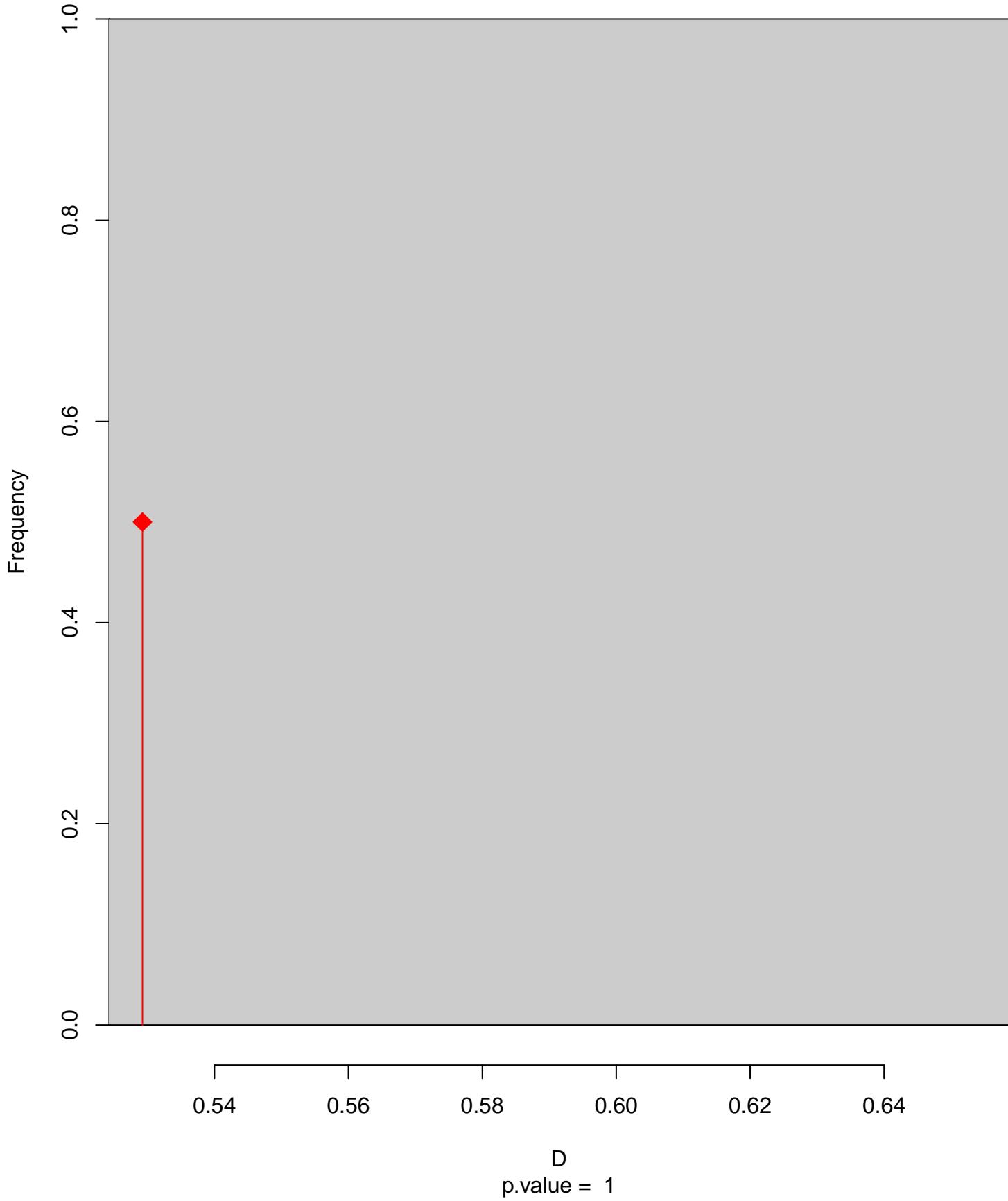


Tachycineta_leucorrhoa seasonal overlap-hypo wi

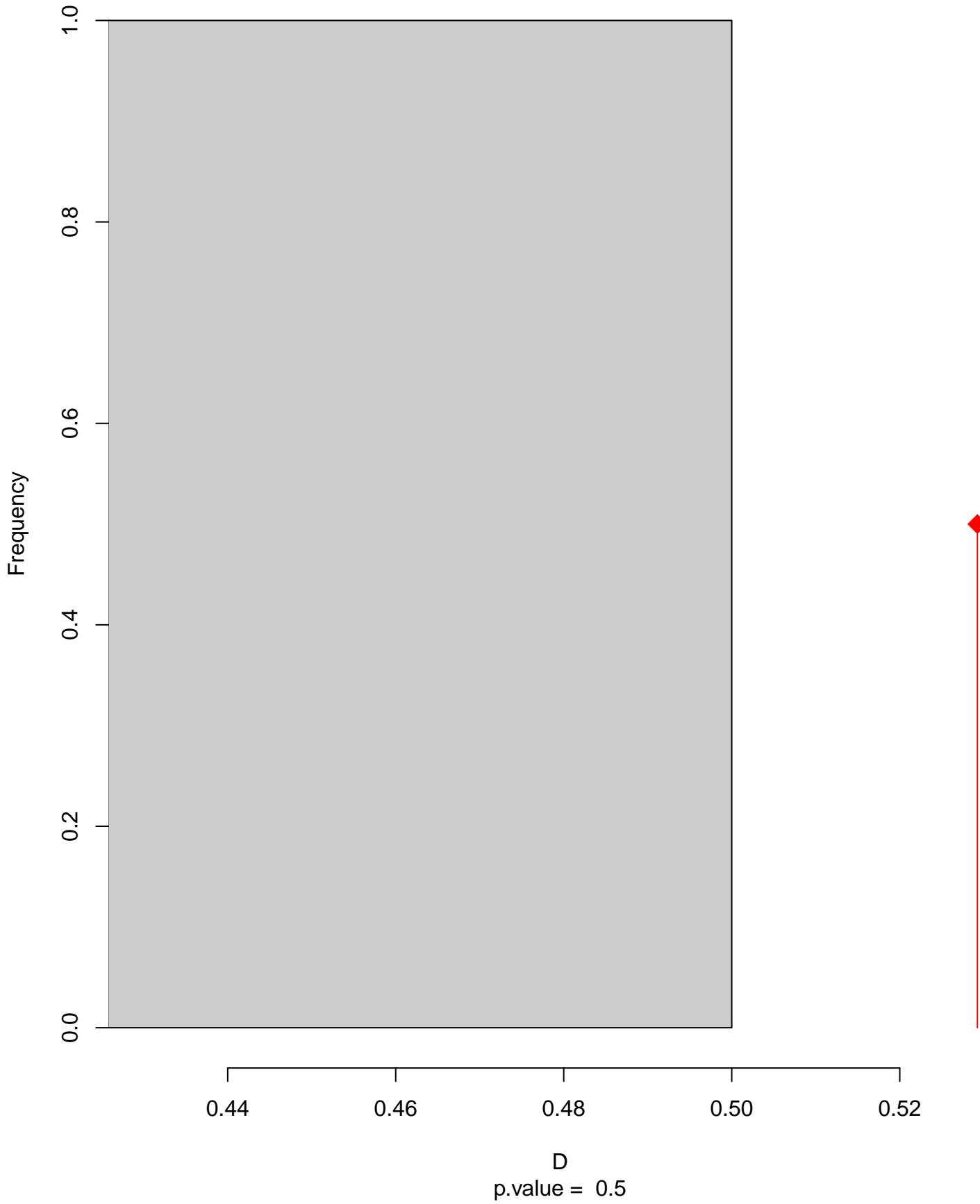


niche overlap:
 $D = 0.529$

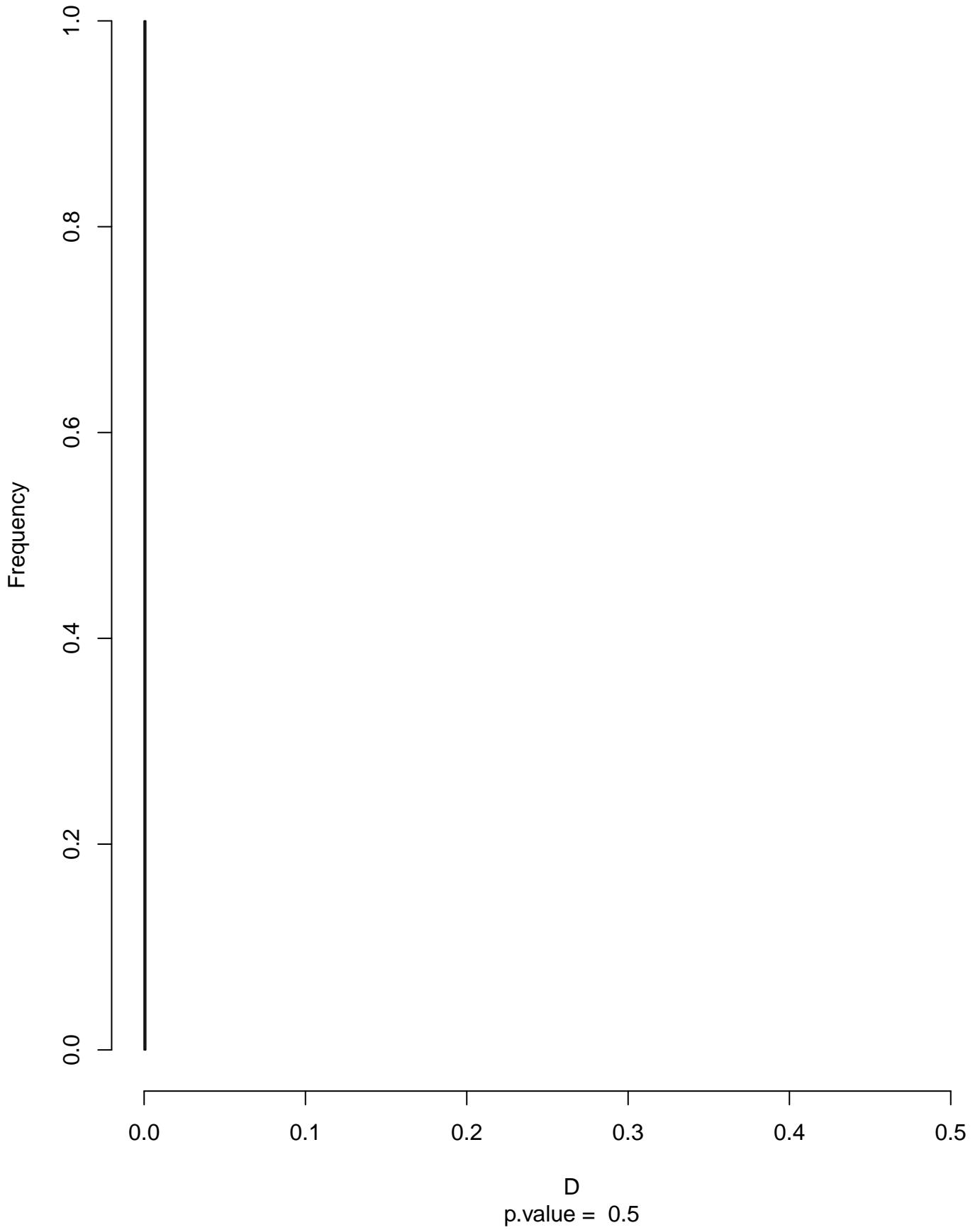
Equivalency



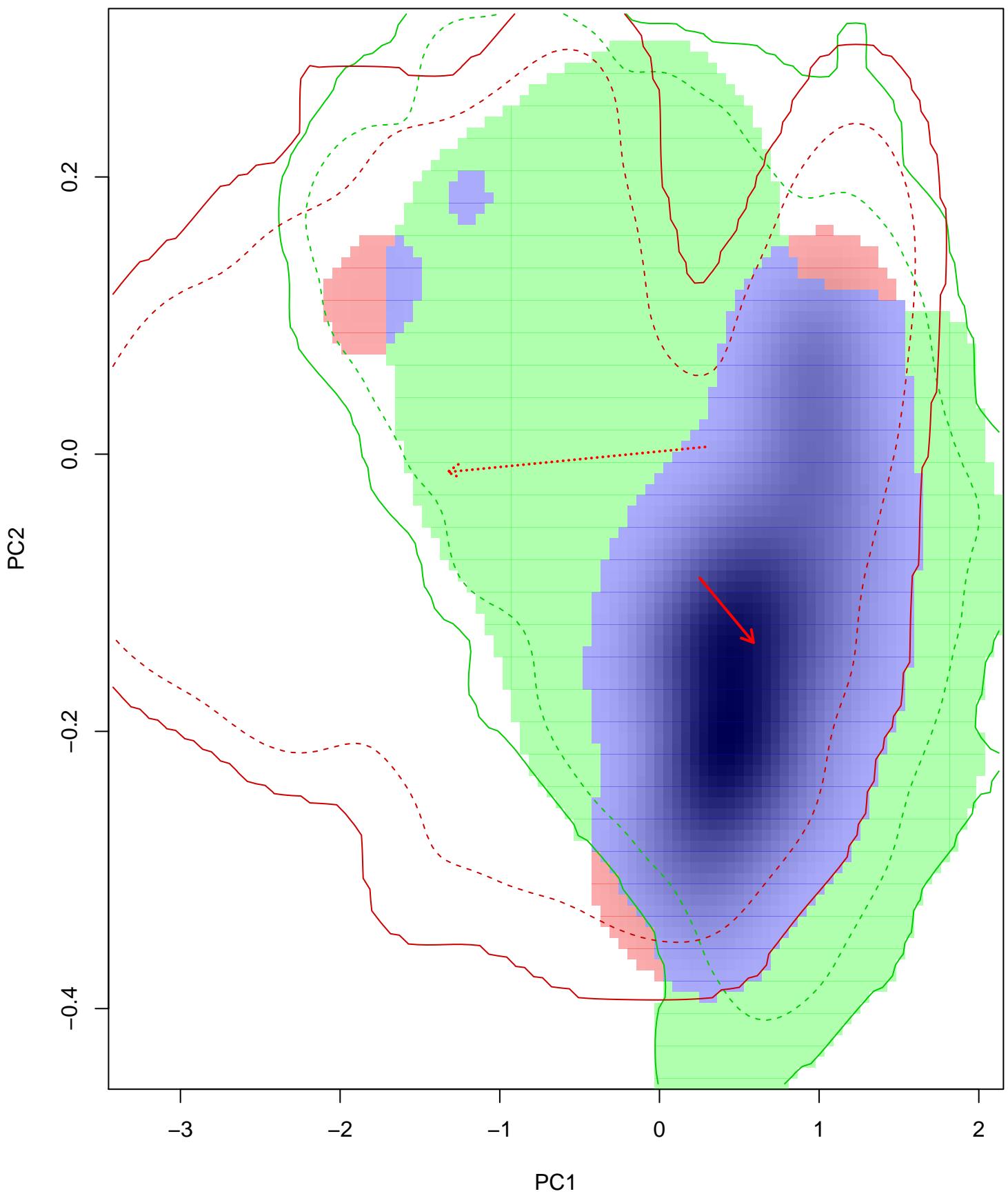
Similarity 2->1



Similarity 1→2

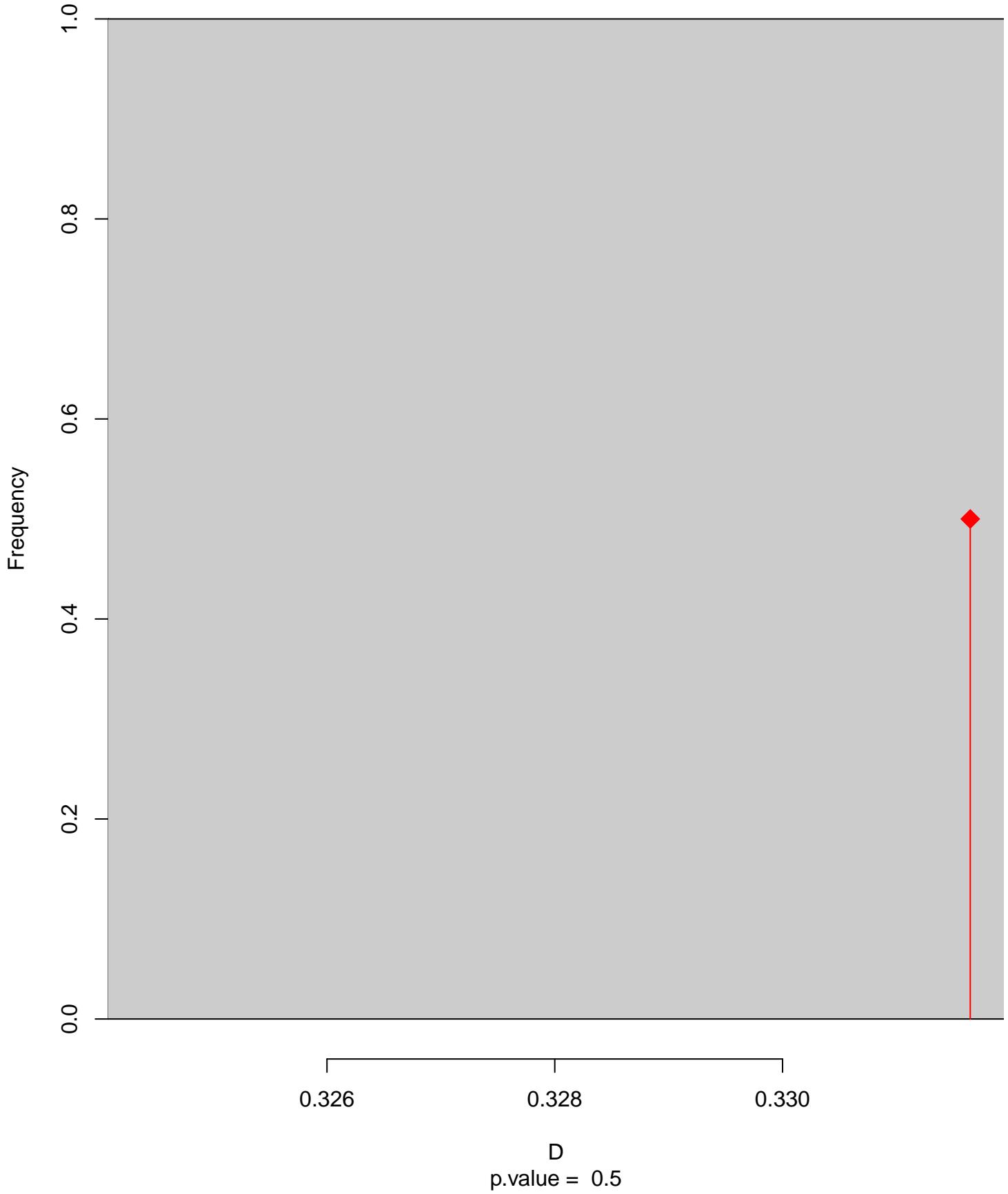


Tachycineta_thalassina seasonal overlap

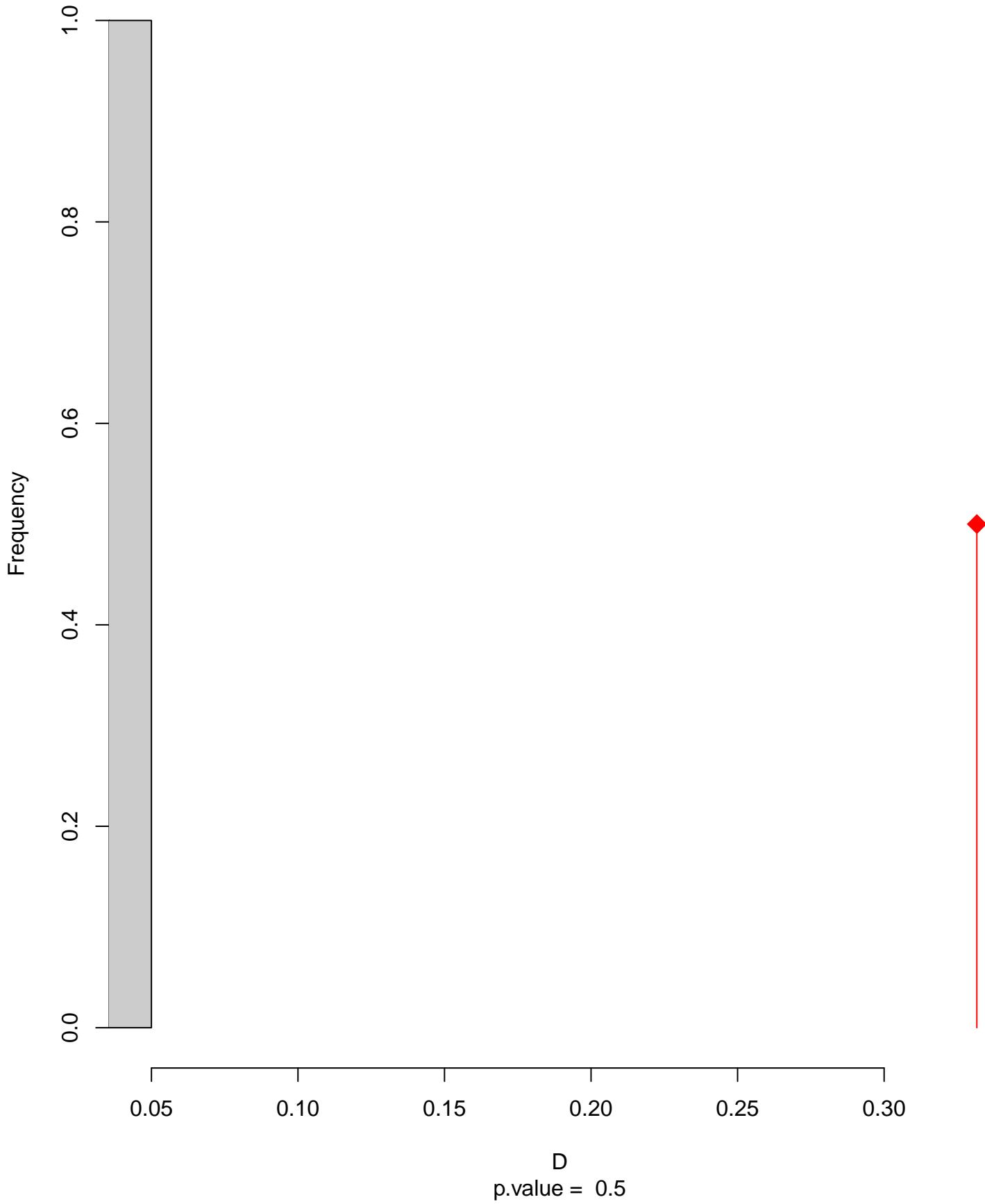


niche overlap:
 $D = 0.332$

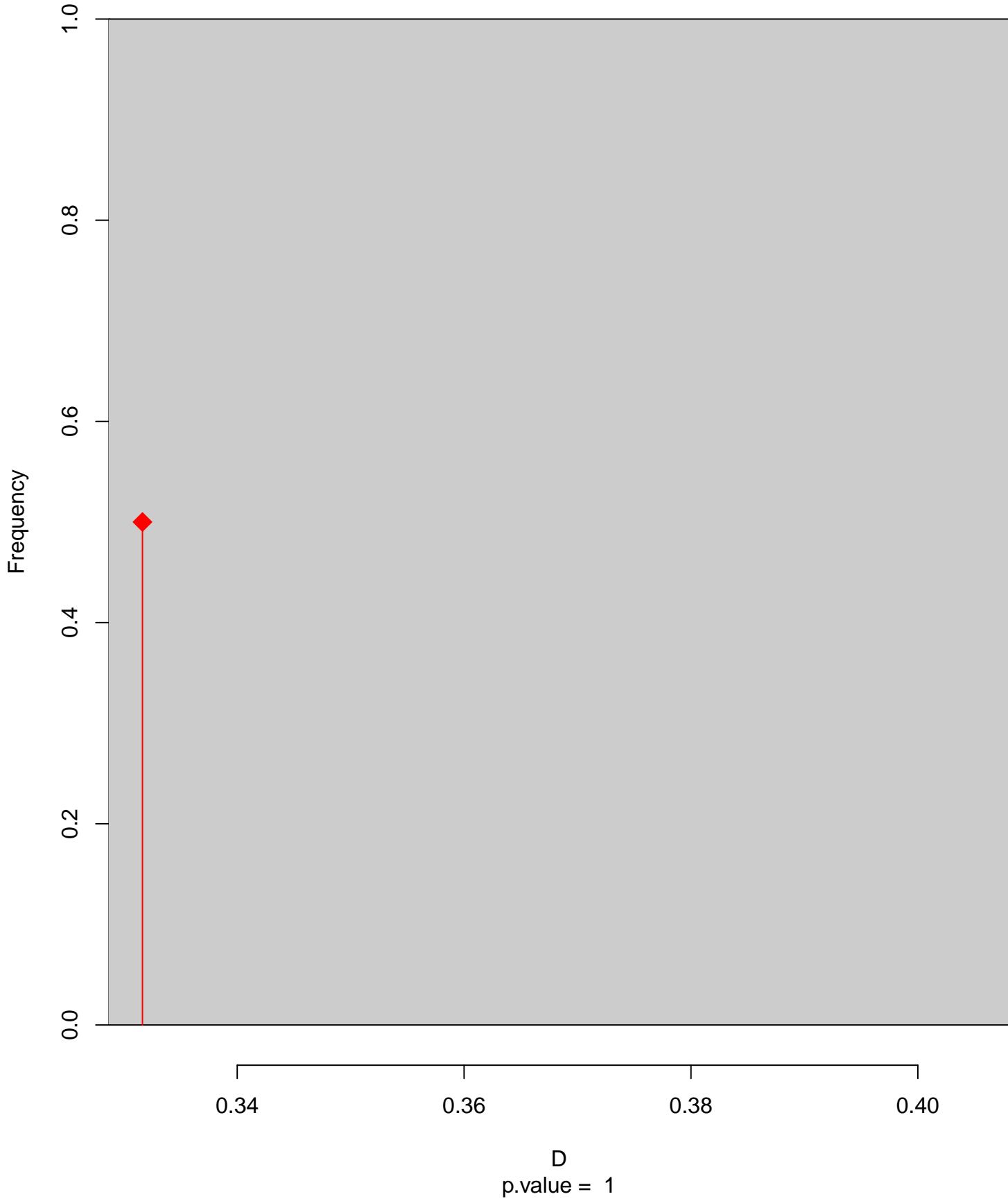
Equivalency



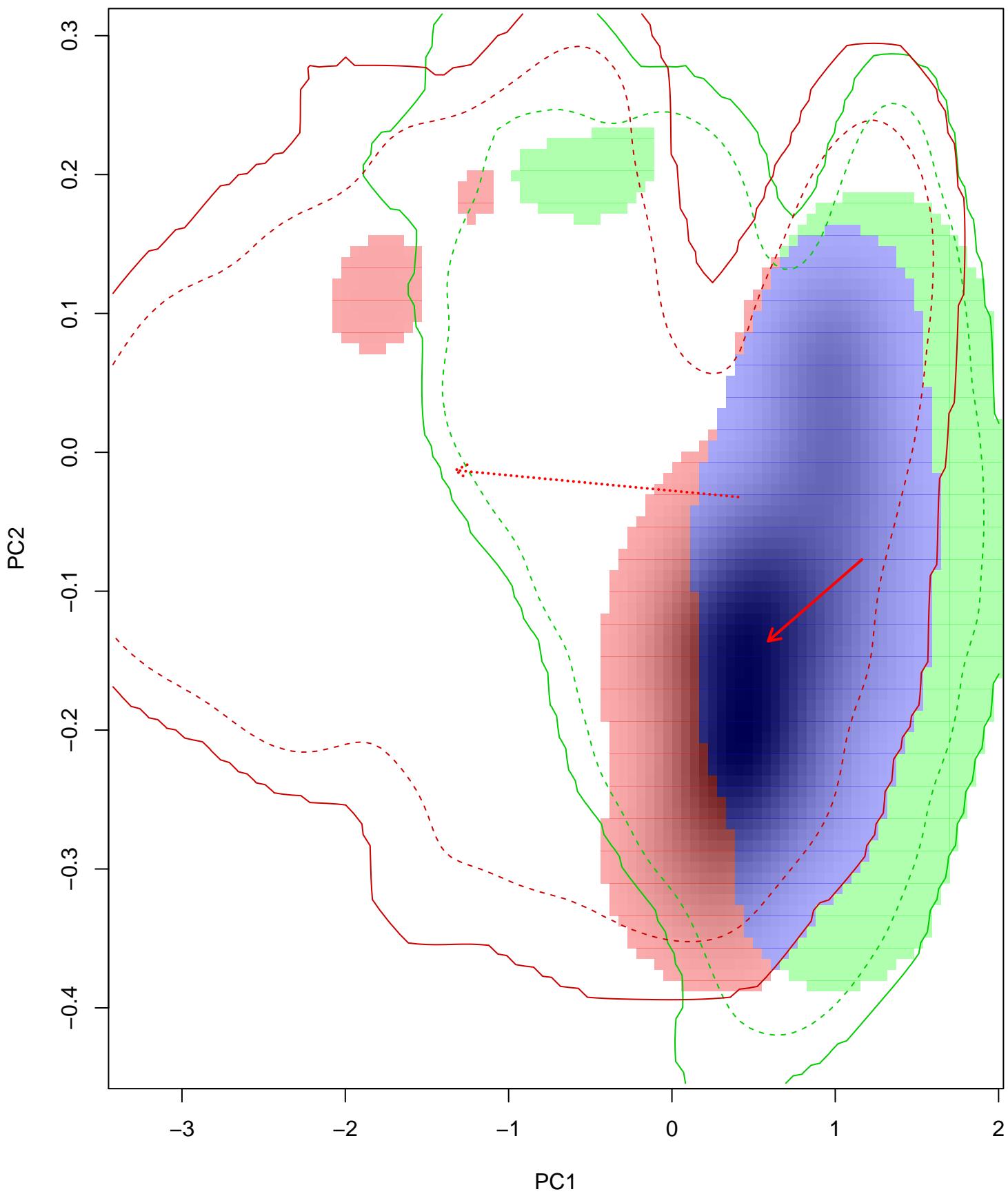
Similarity 2->1



Similarity 1→2

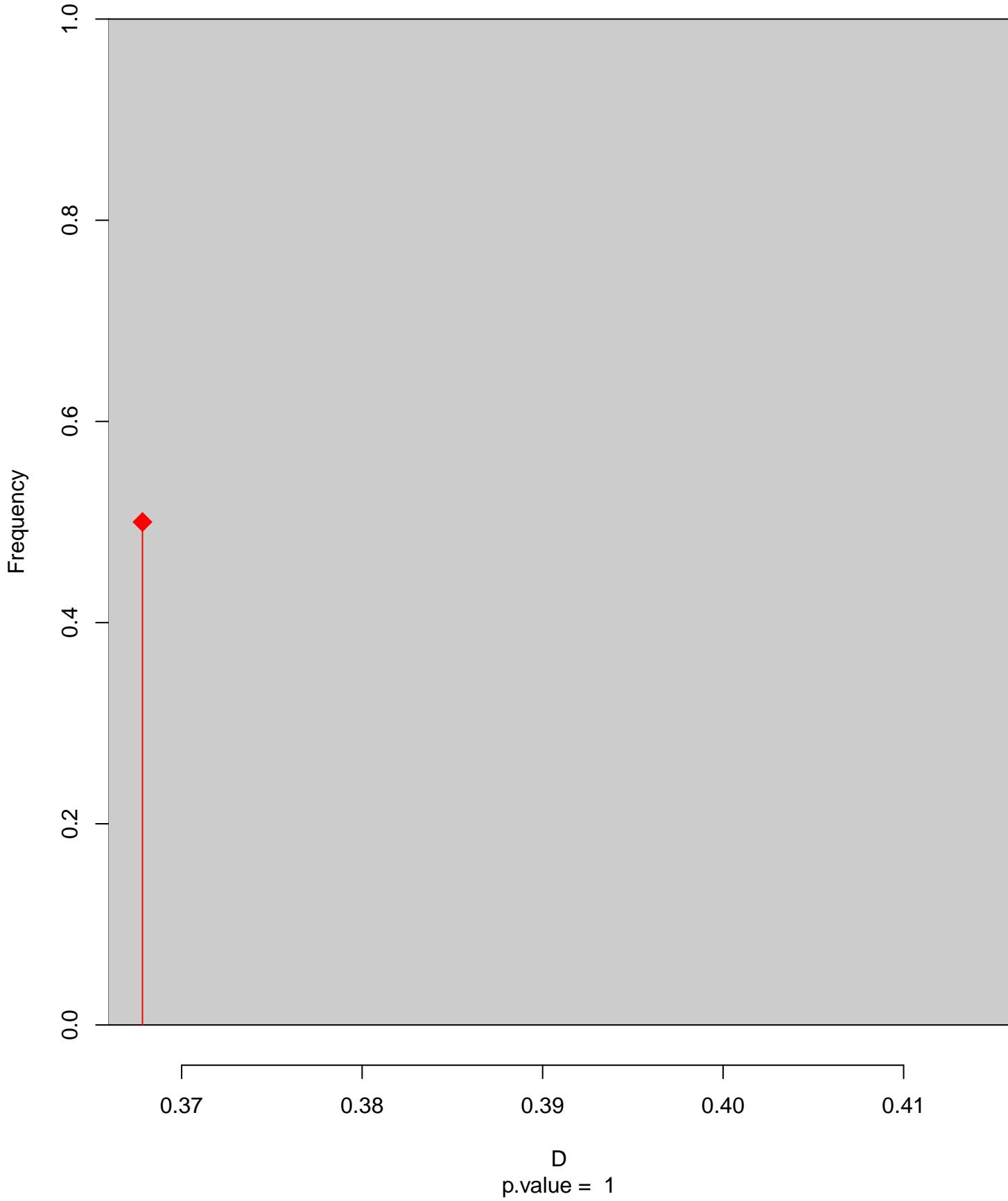


Tachycineta_thalassina seasonal overlap-hypo.br

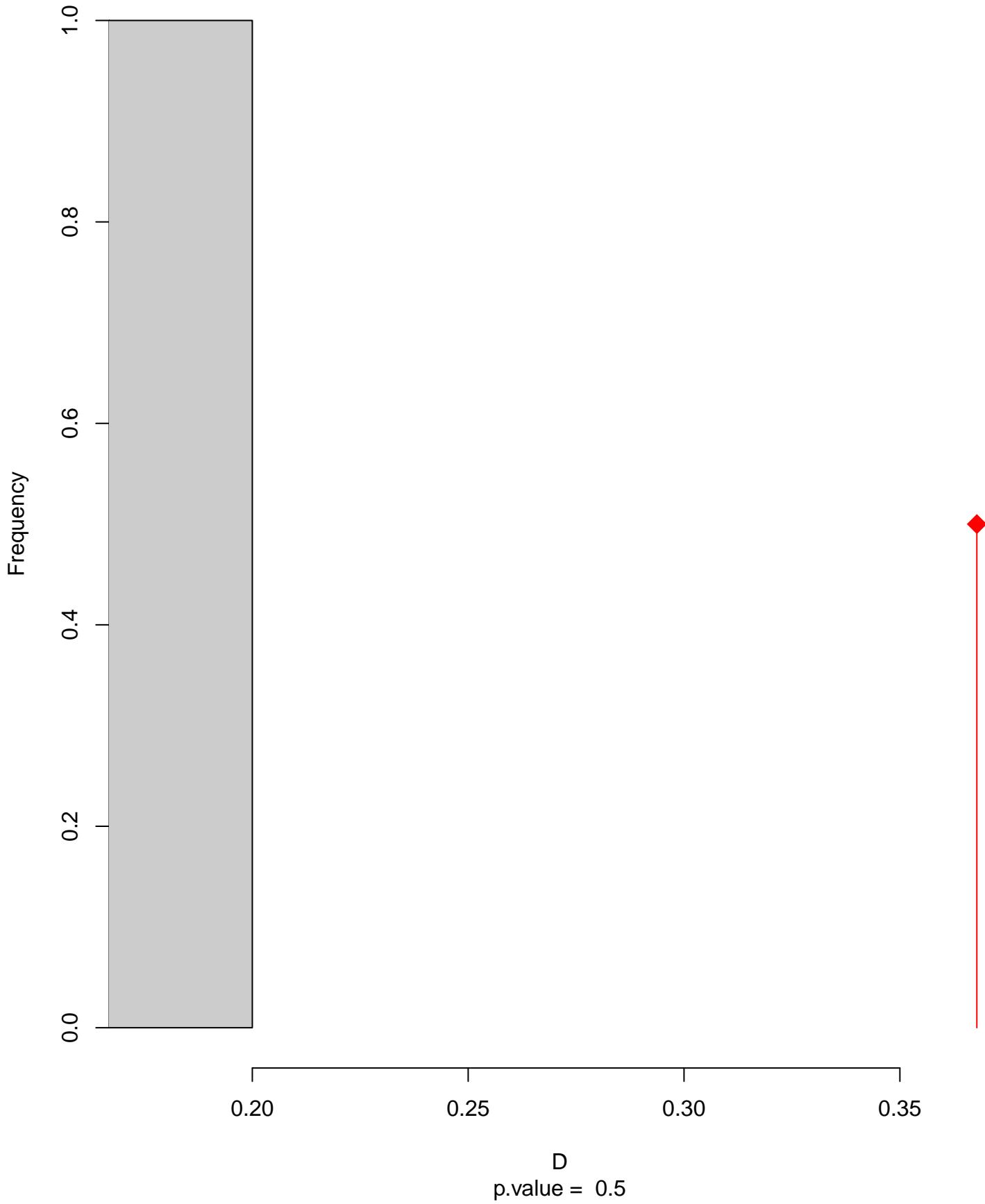


niche overlap:
 $D = 0.368$

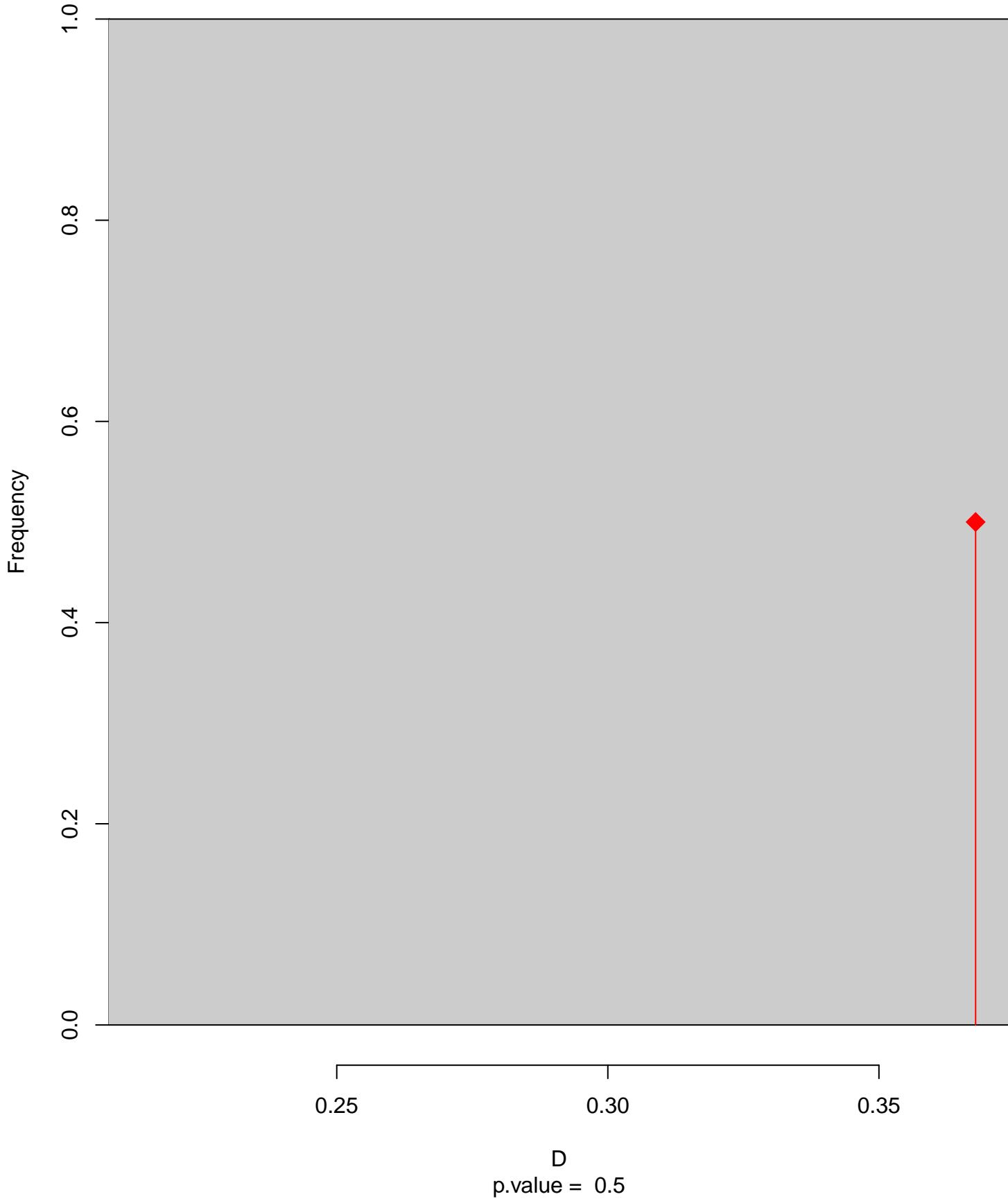
Equivalency



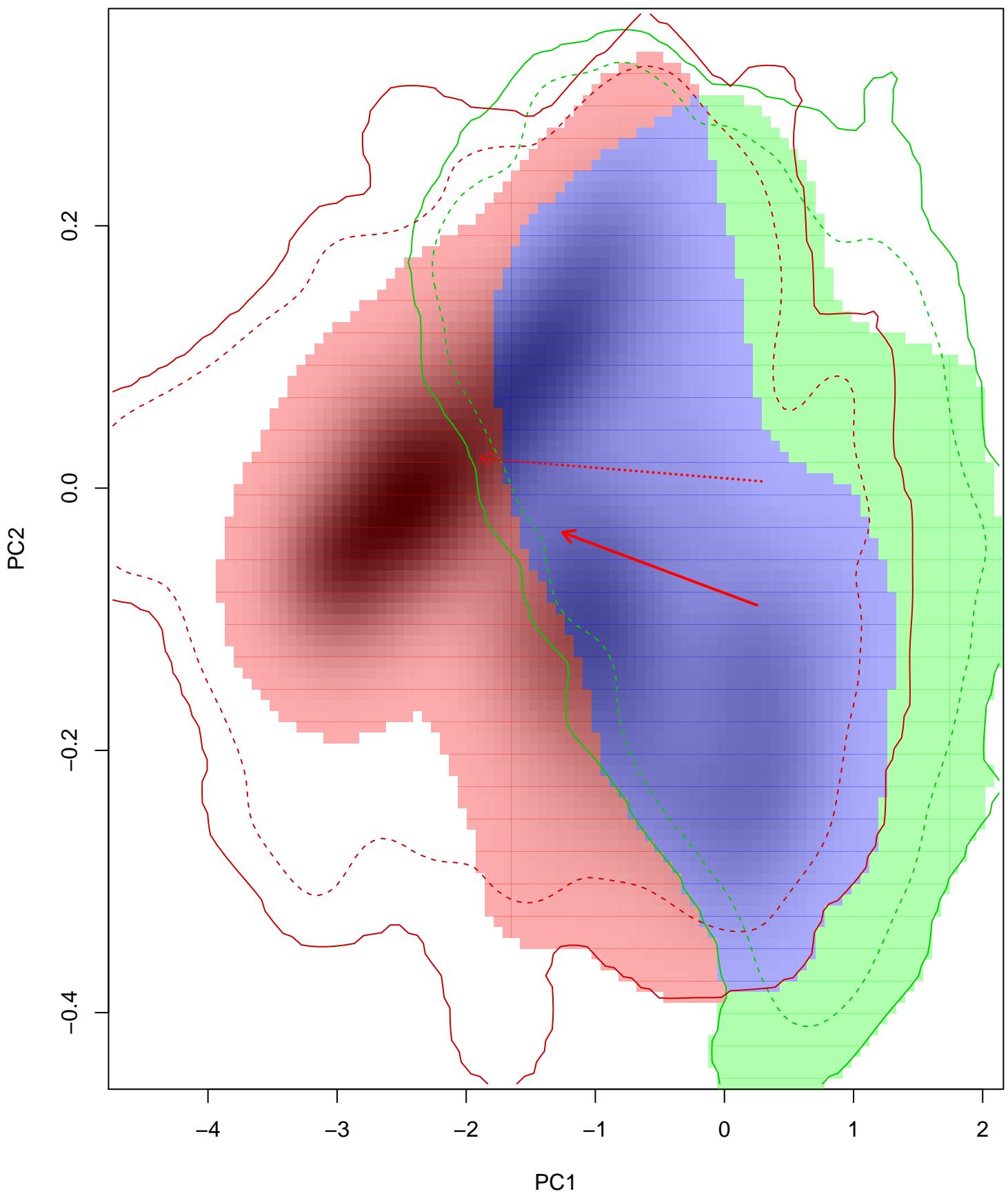
Similarity 2->1



Similarity 1→2

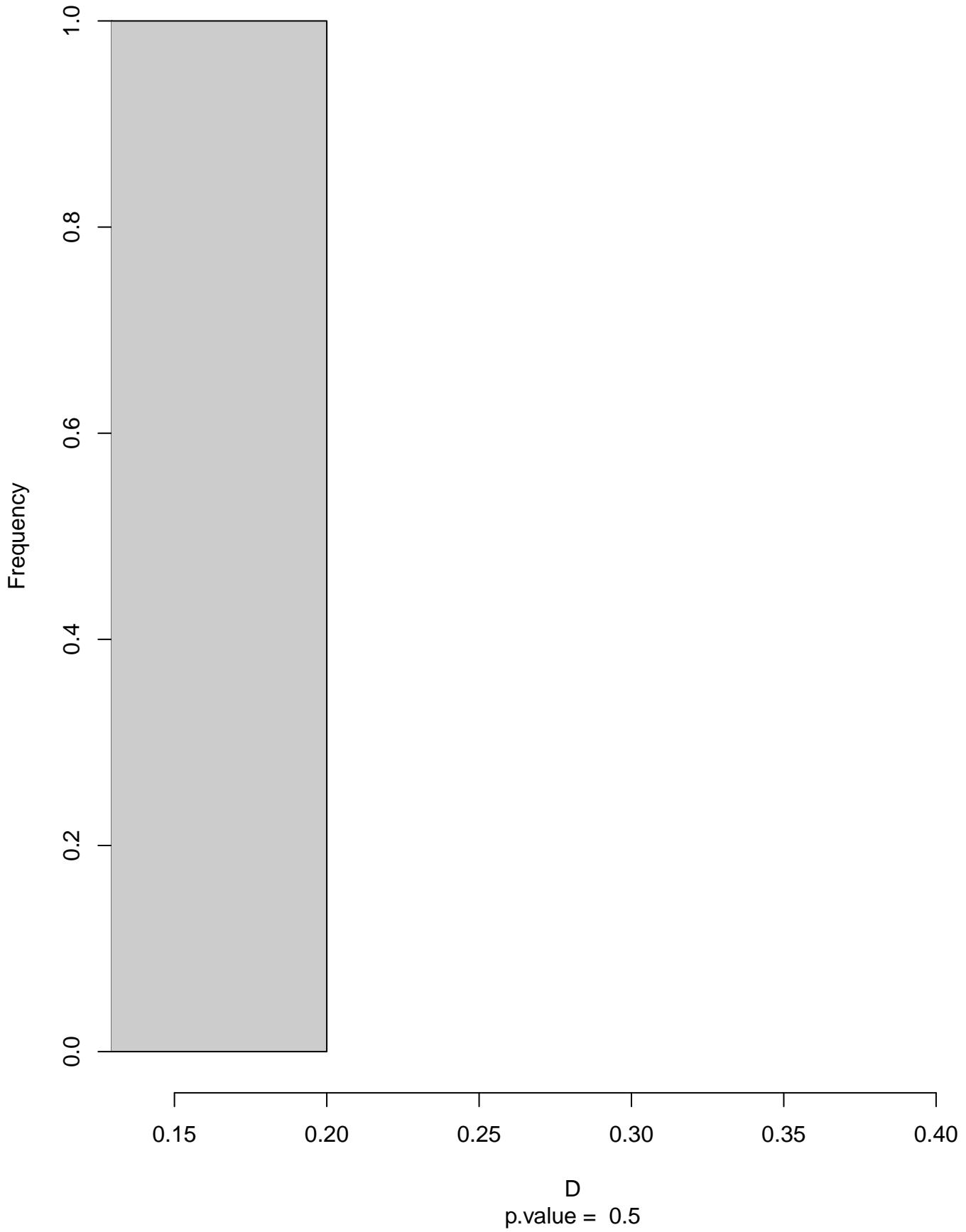


Tachycineta_thalassina seasonal overlap-hypo wi

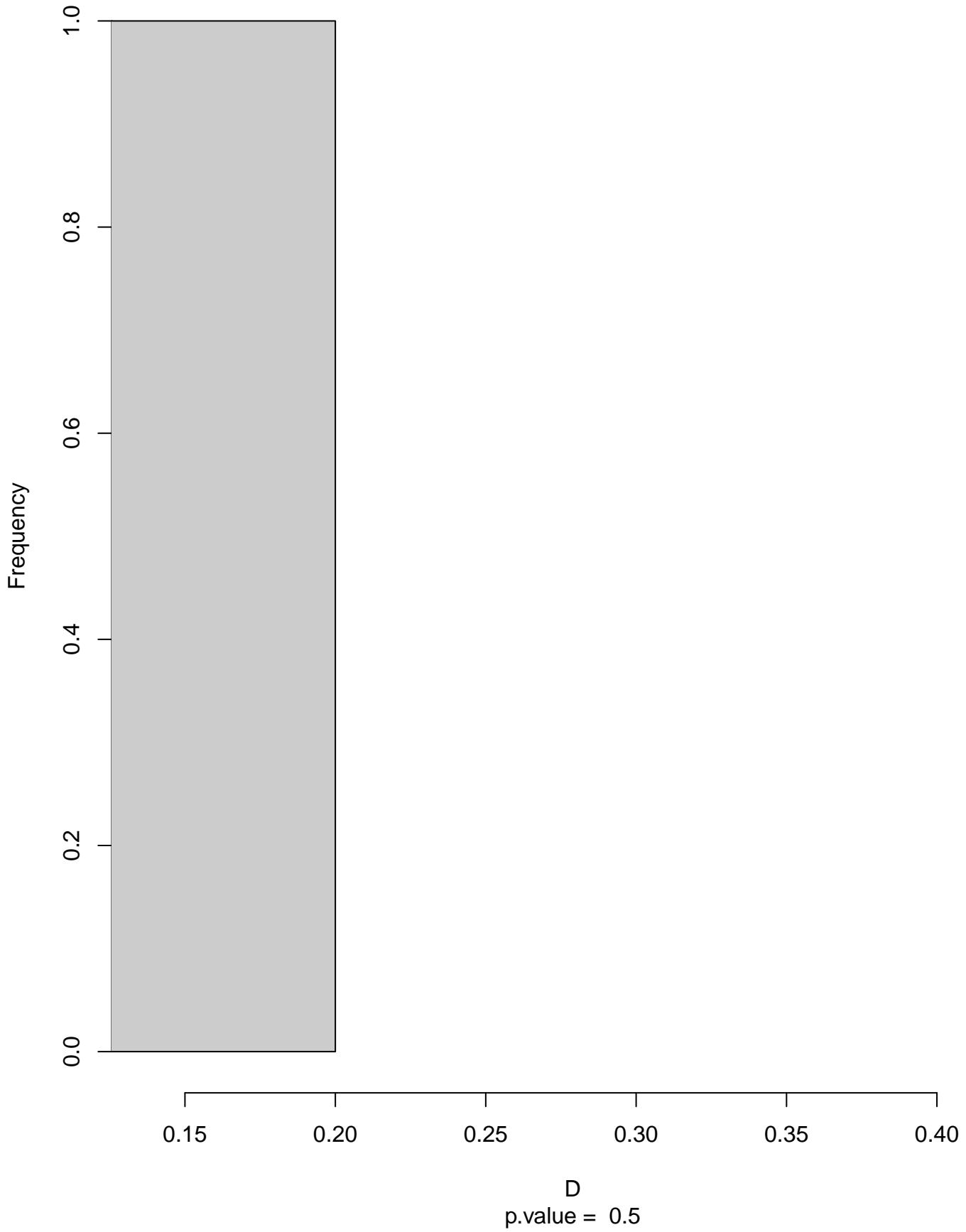


niche overlap:
 $D = 0.421$

Equivalency



Similarity 2->1



Similarity 1→2

