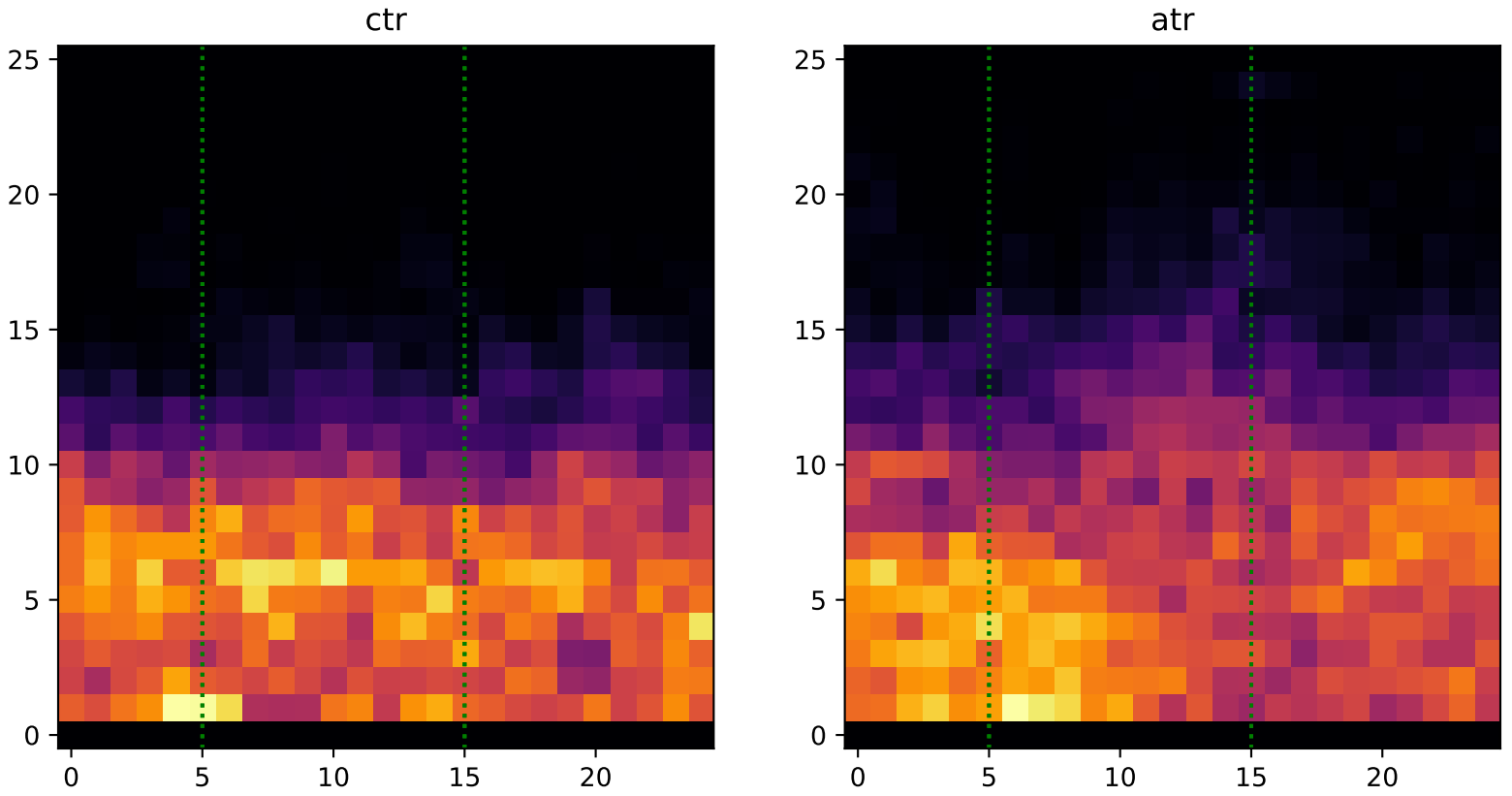
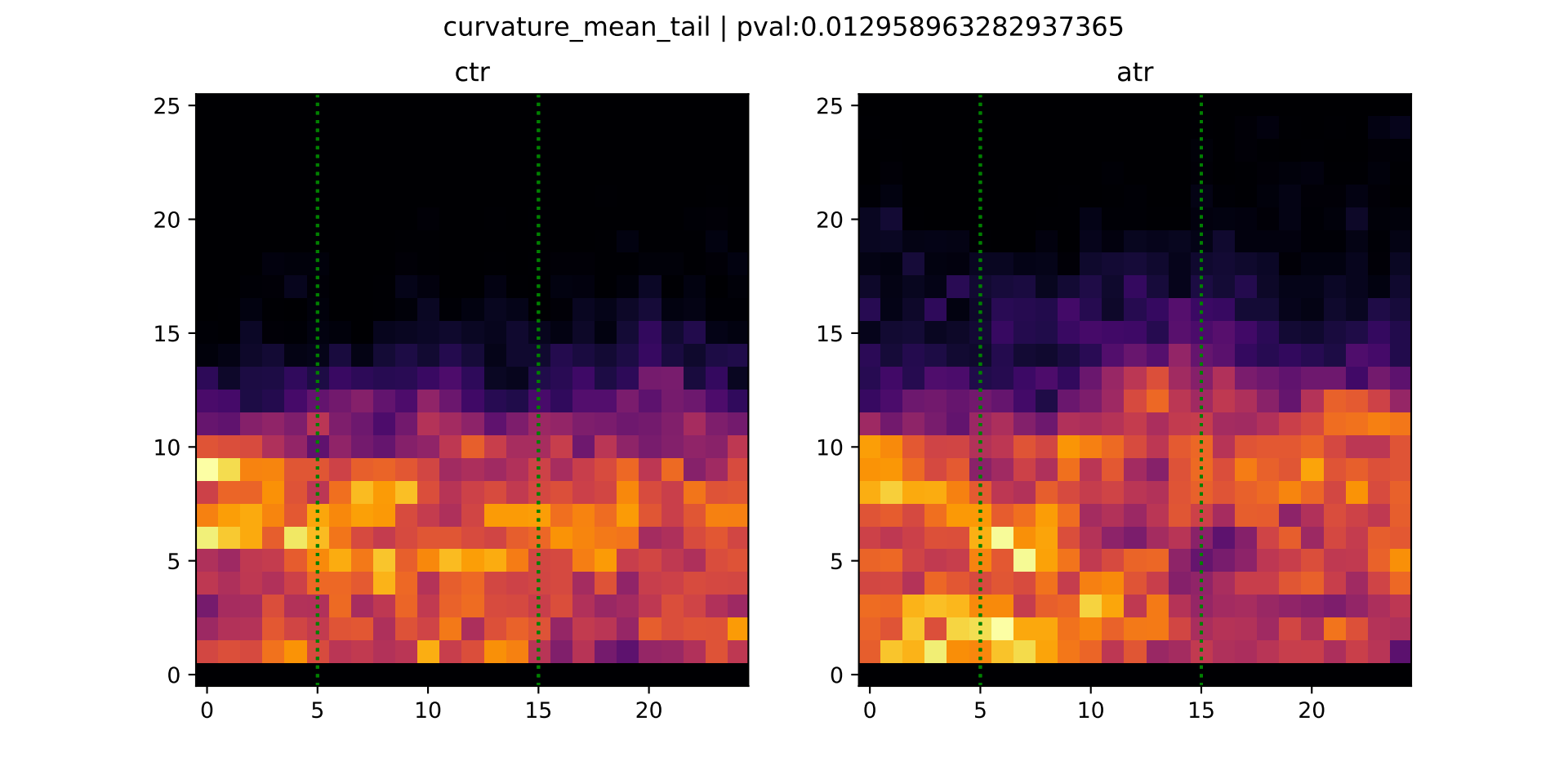
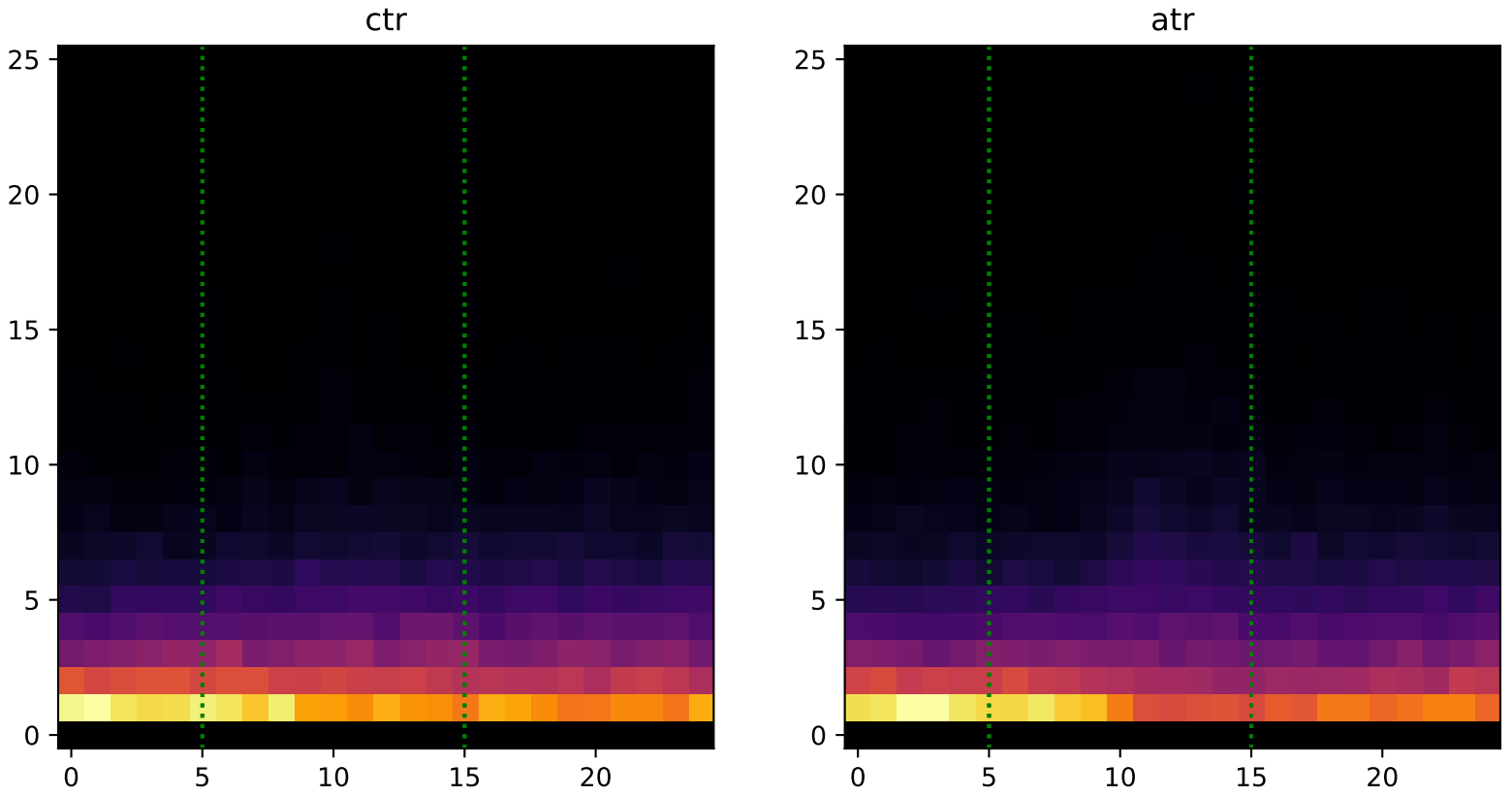
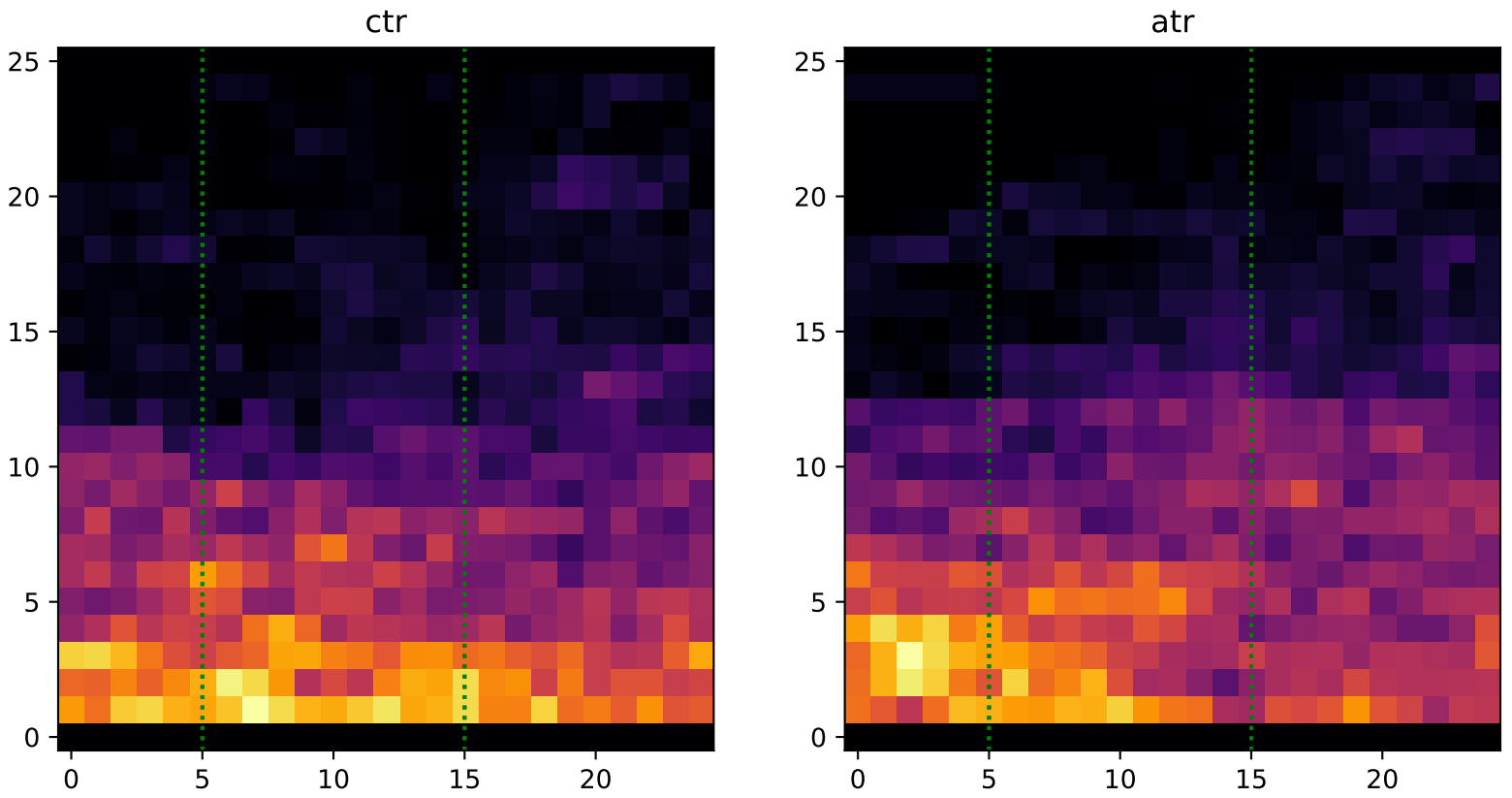
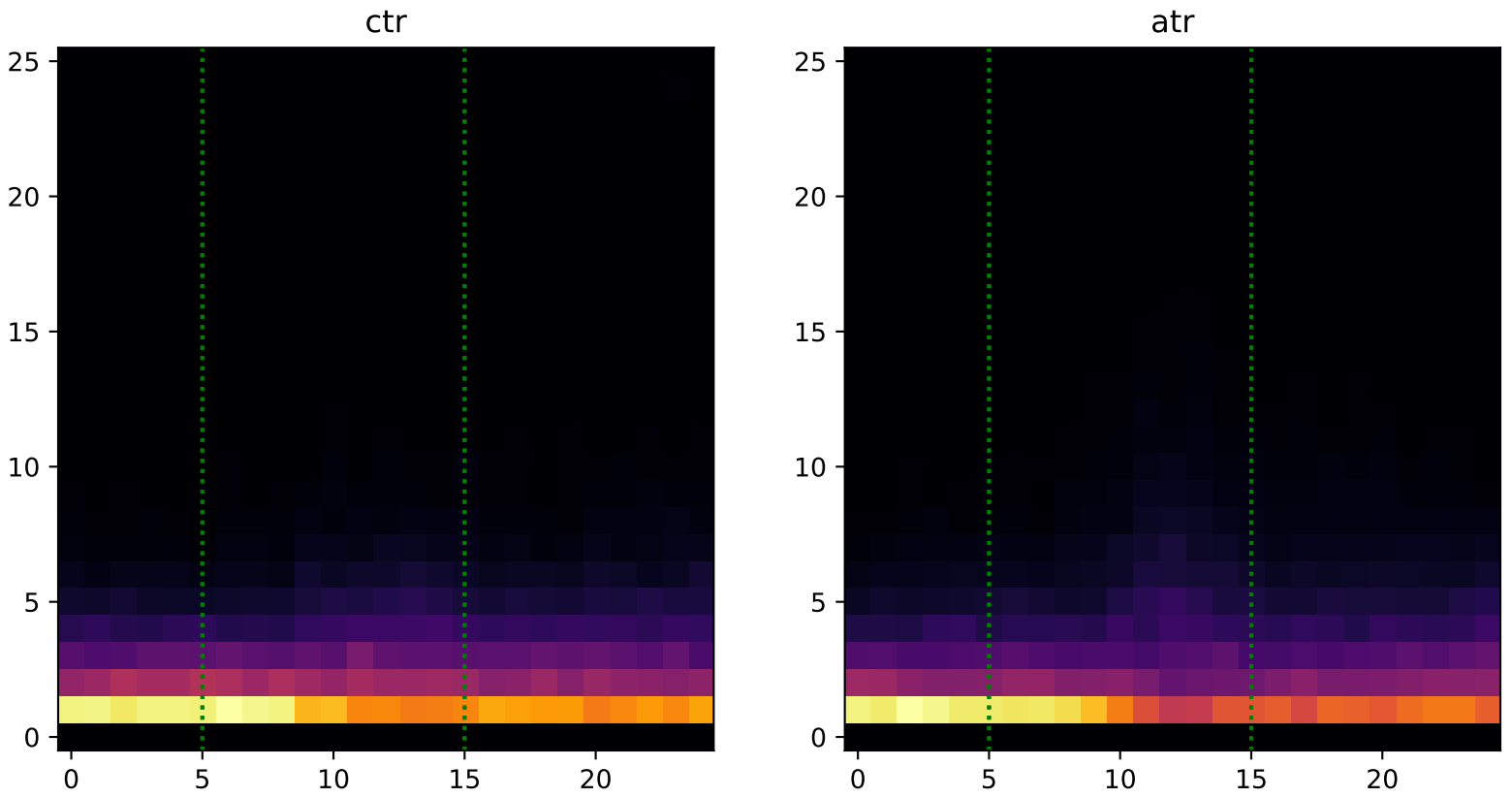
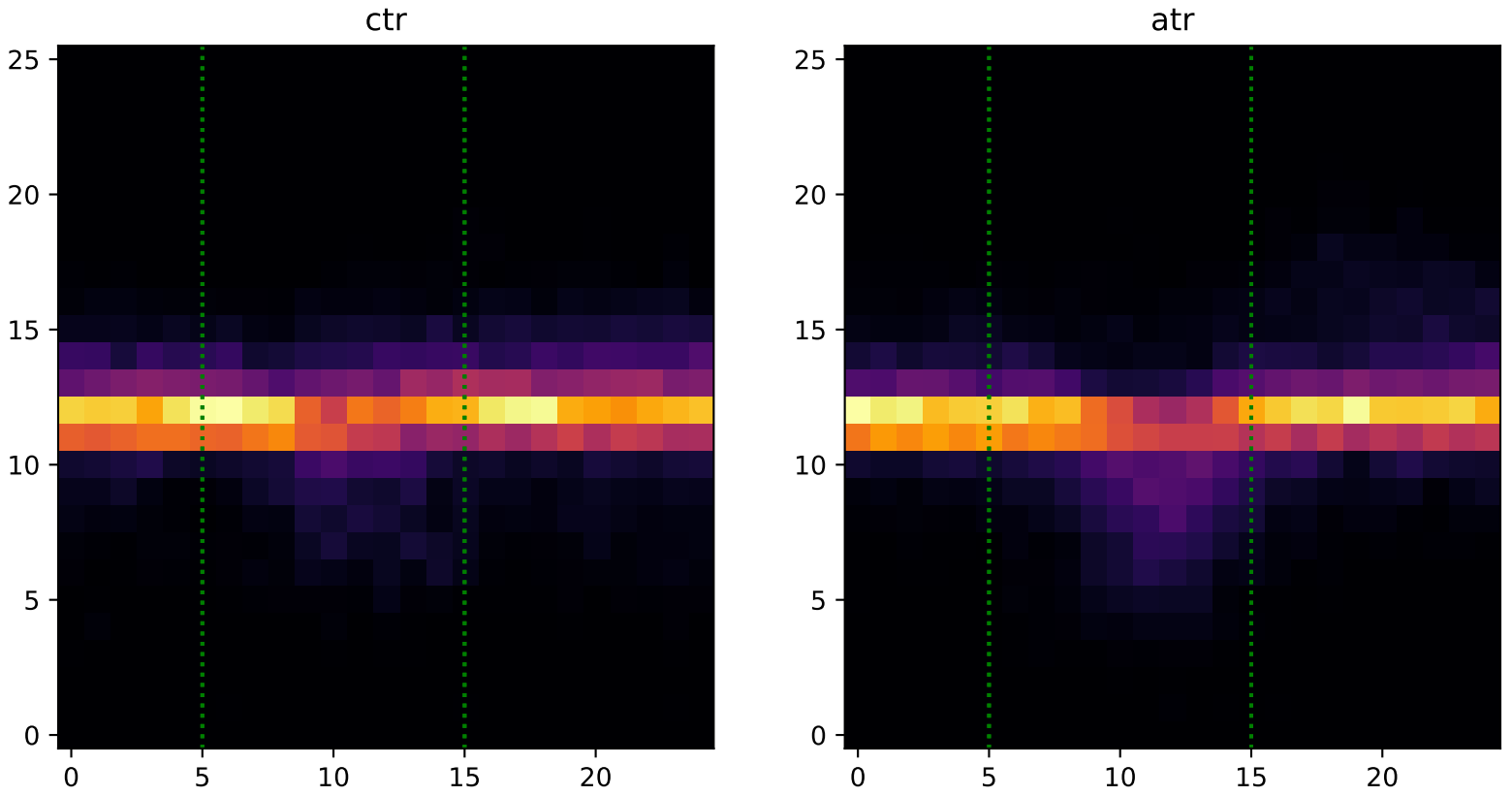

curvature_tail | pval:0.0043196544276457 89
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

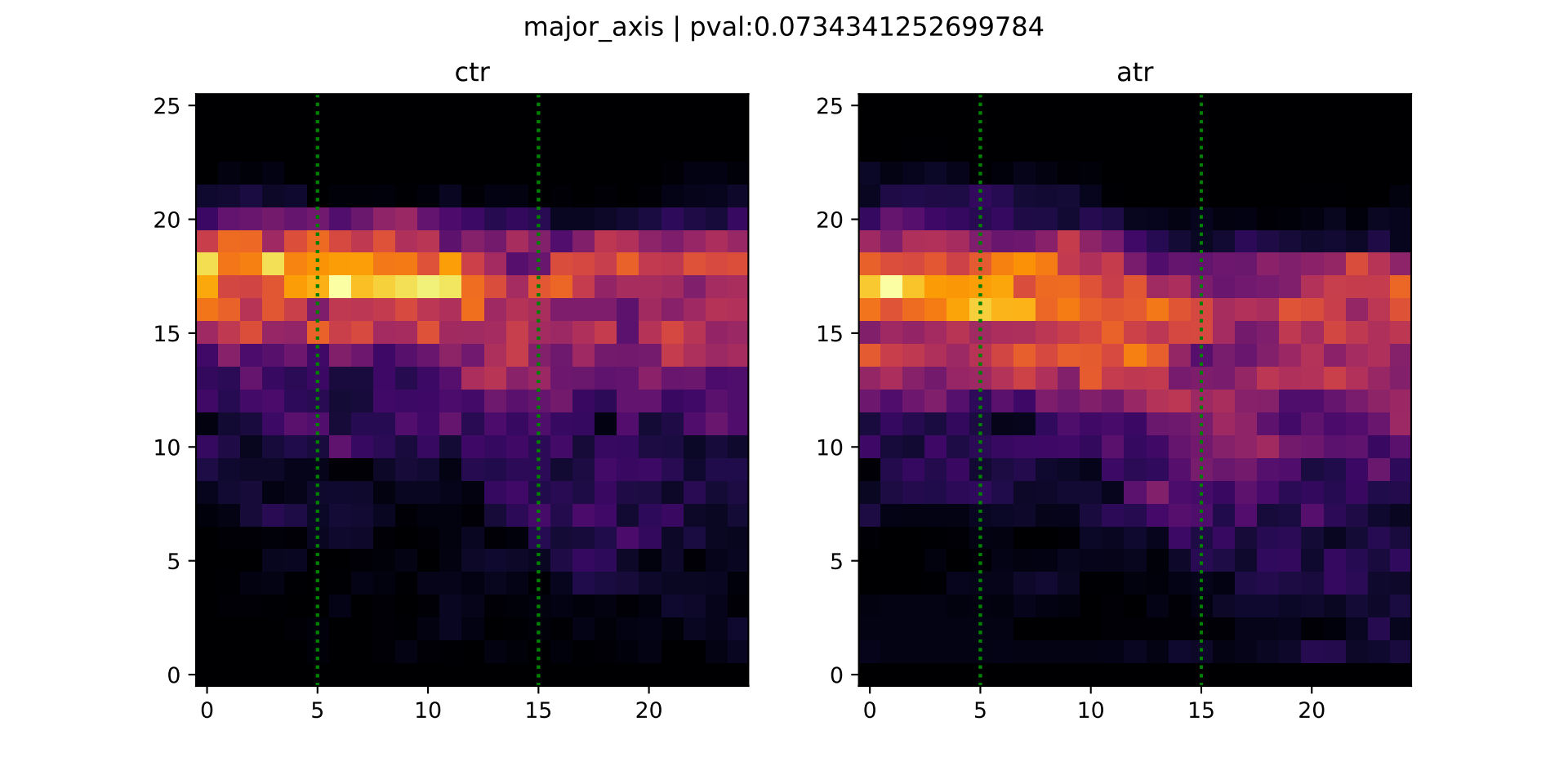

curvature_mean_tail | pval:0.012958963282937365
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

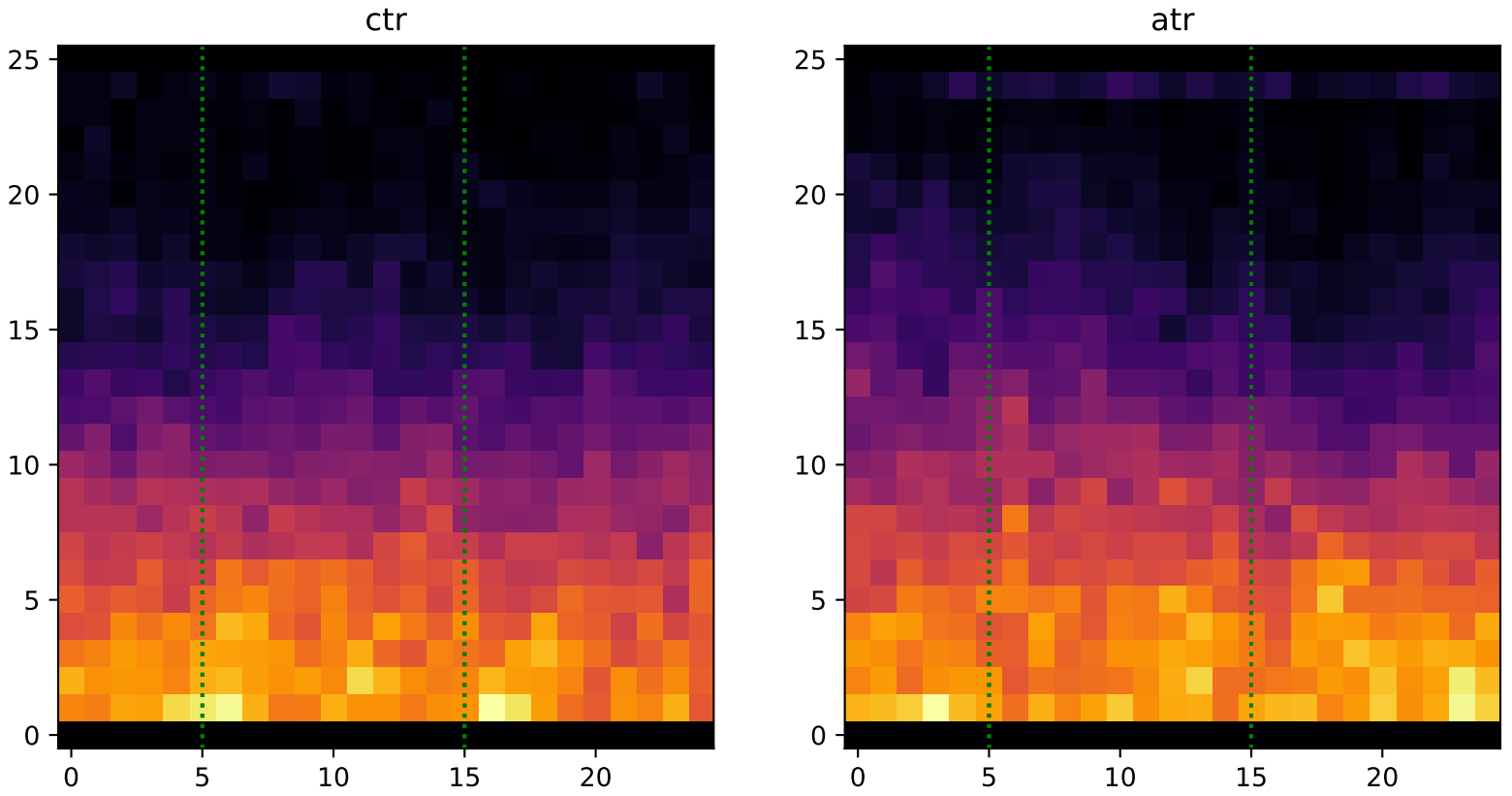

d_curvature_std_tail | pval:0.019438444924406047
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

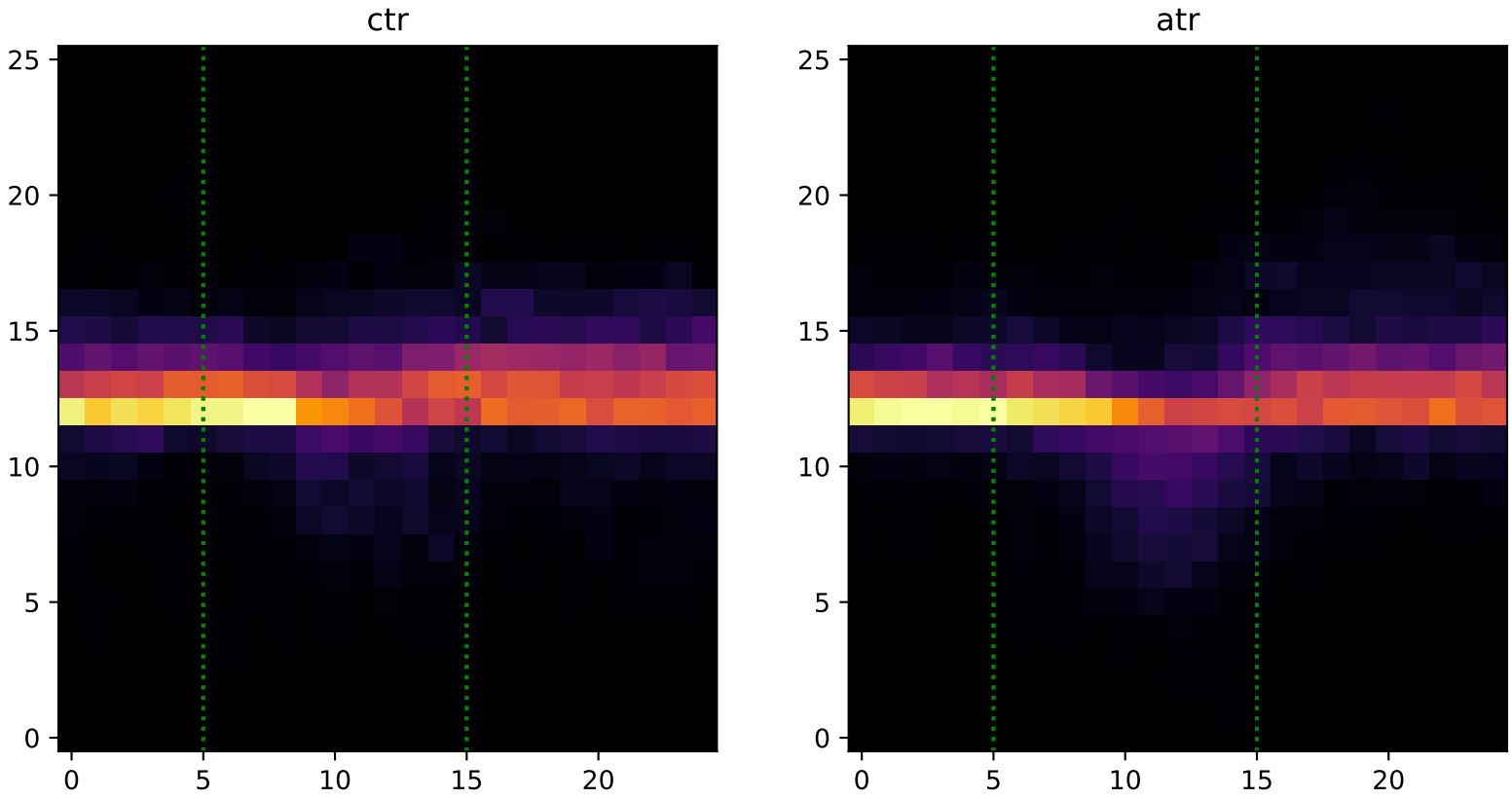

curvature_mean_midbody | pval:0.038876889848812095
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

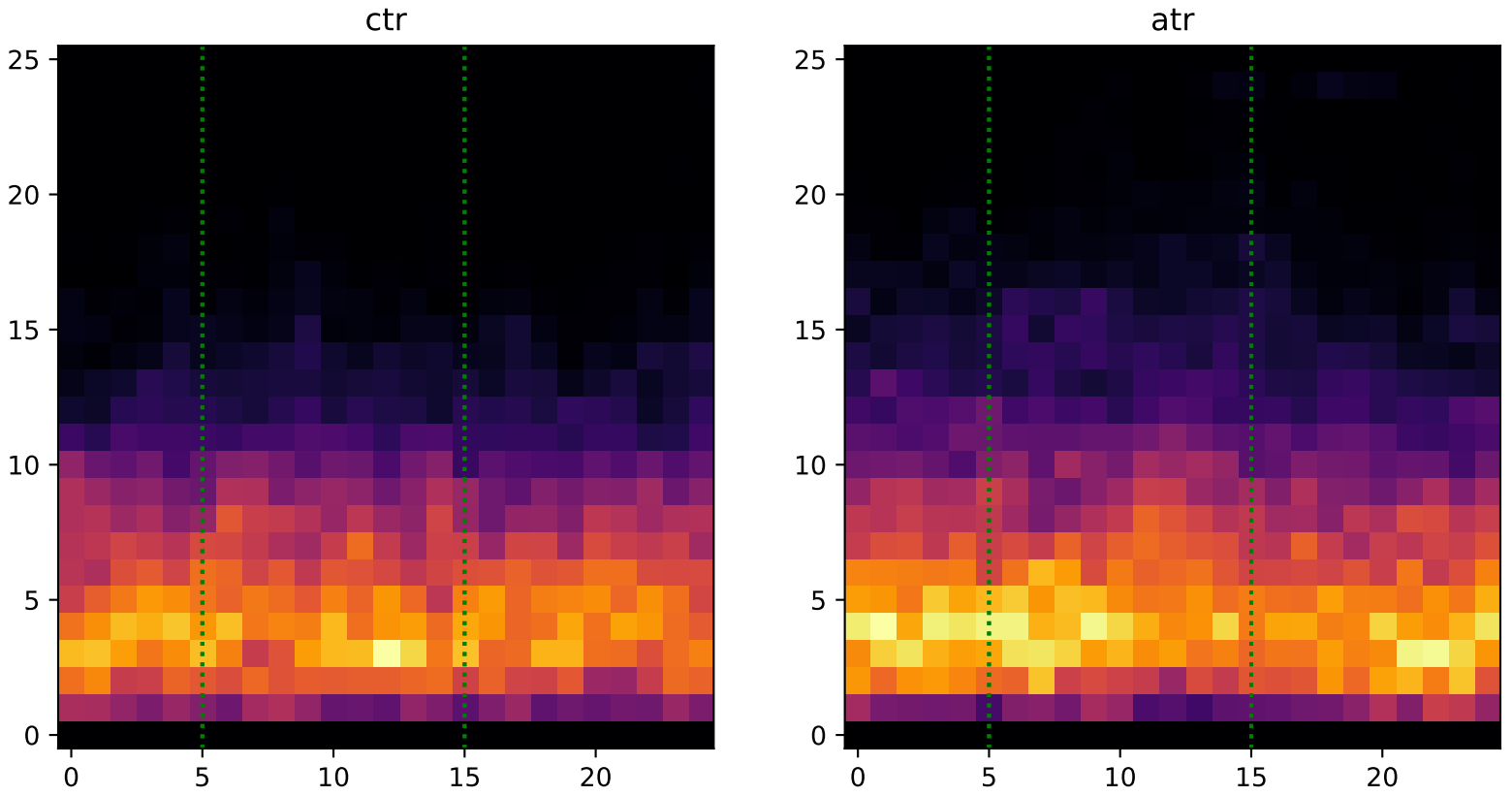

d_curvature_tail | pval:0.04103671706263499
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

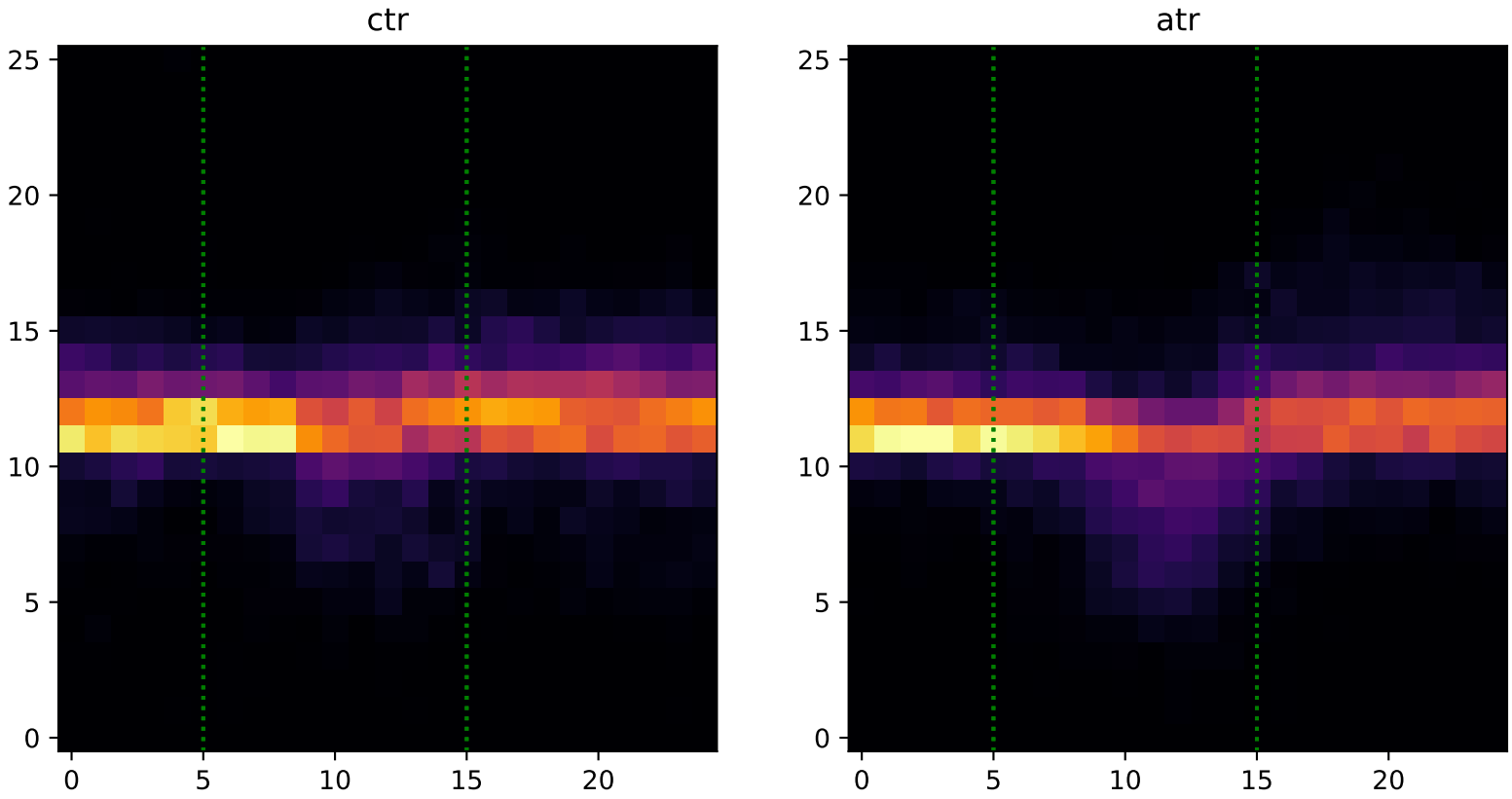

speed | pval:0.06911447084233262
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

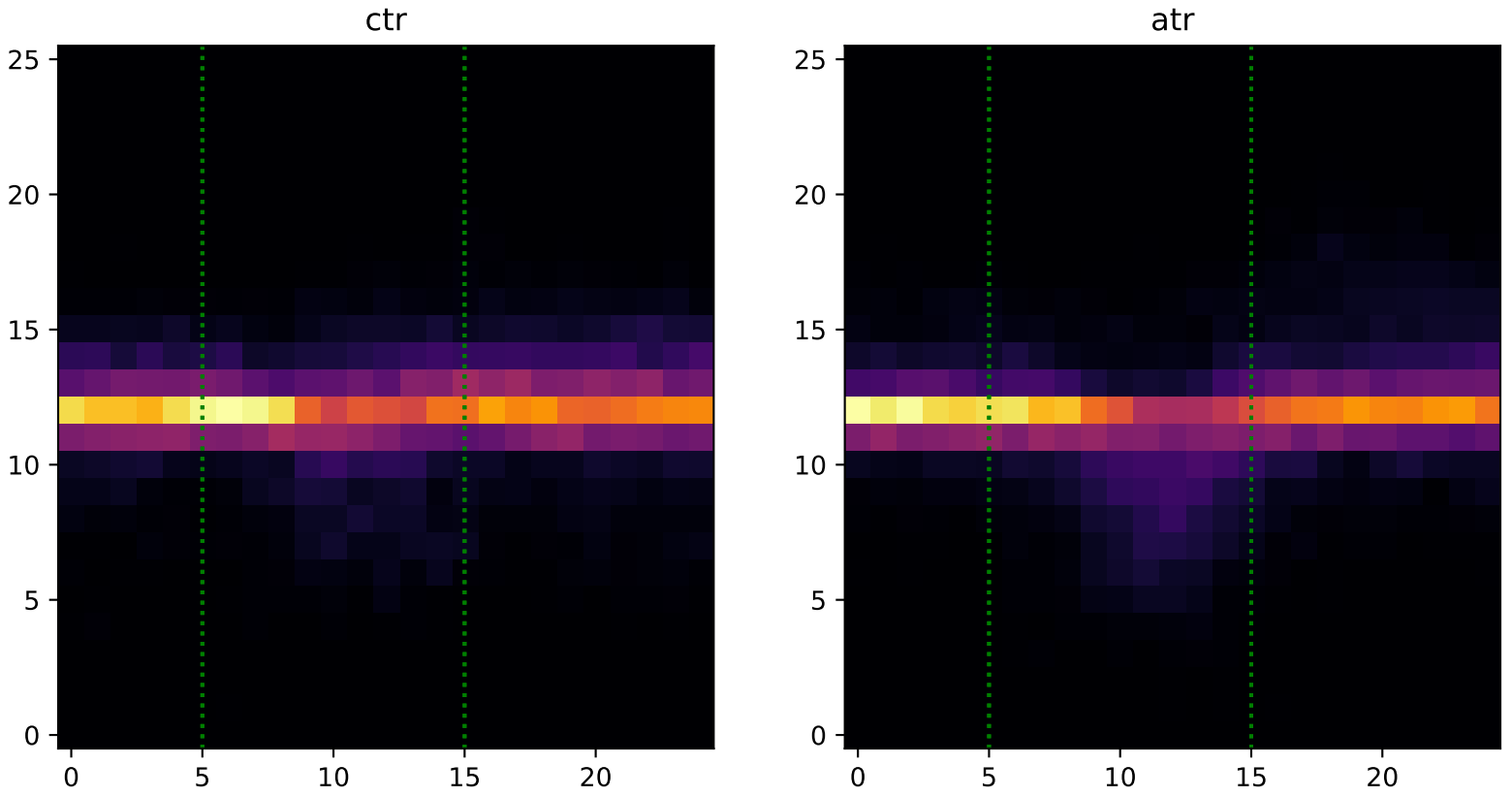

major_axis | pval:0.0734341252699784
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

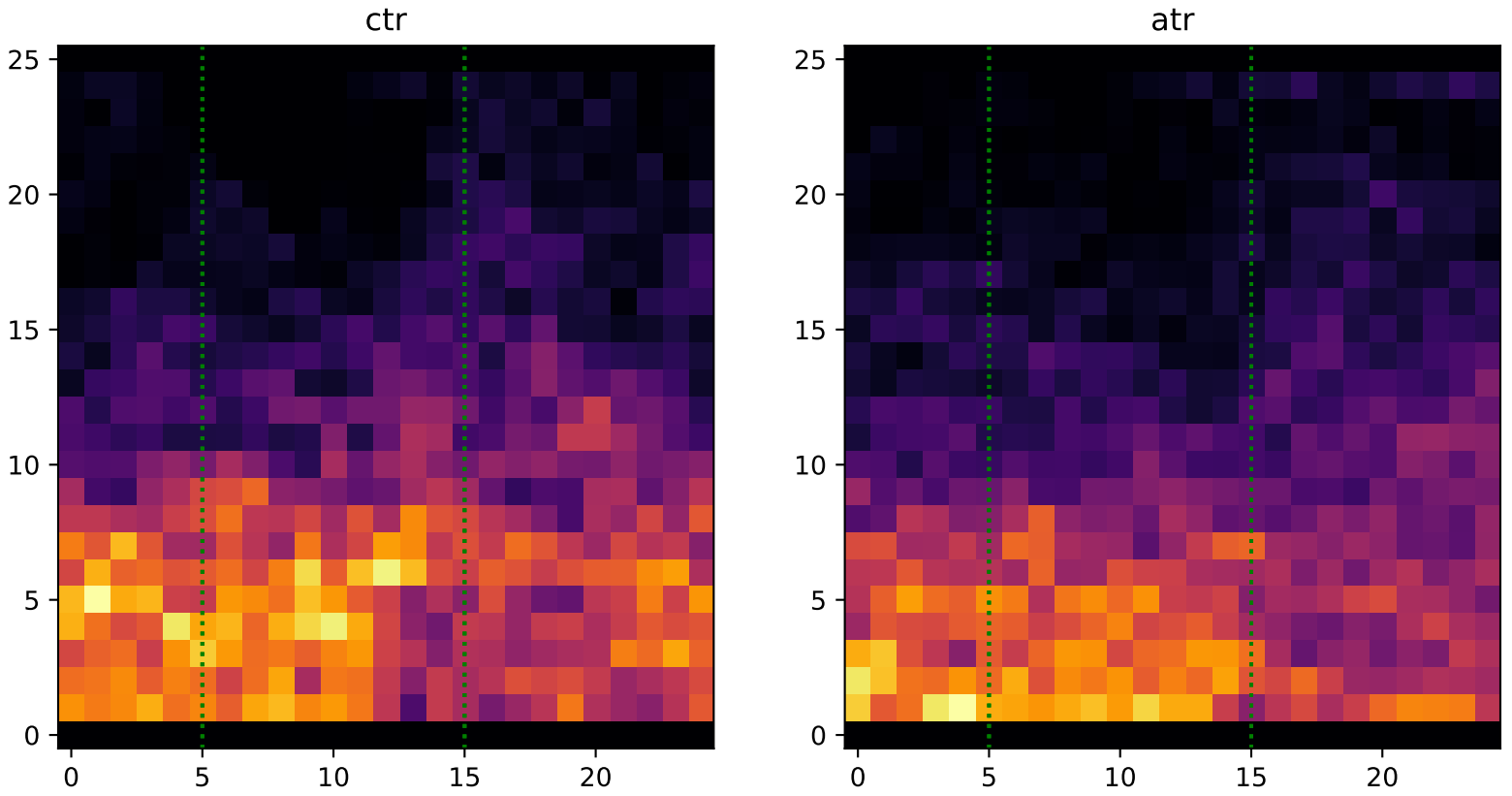

eigen_projection_7 | pval:0.0755939524838013
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

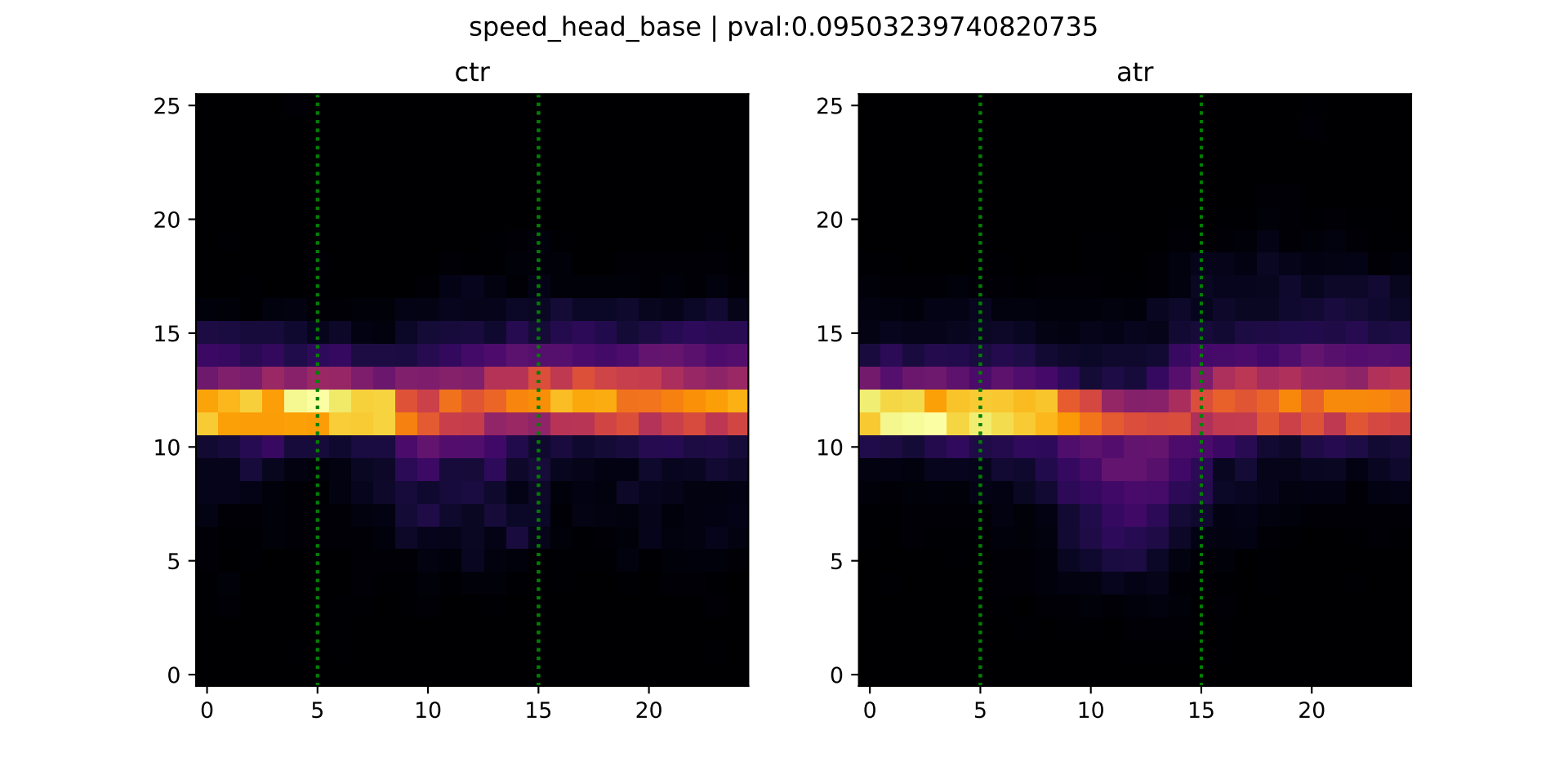

speed_hips | pval:0.07775377969762419
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

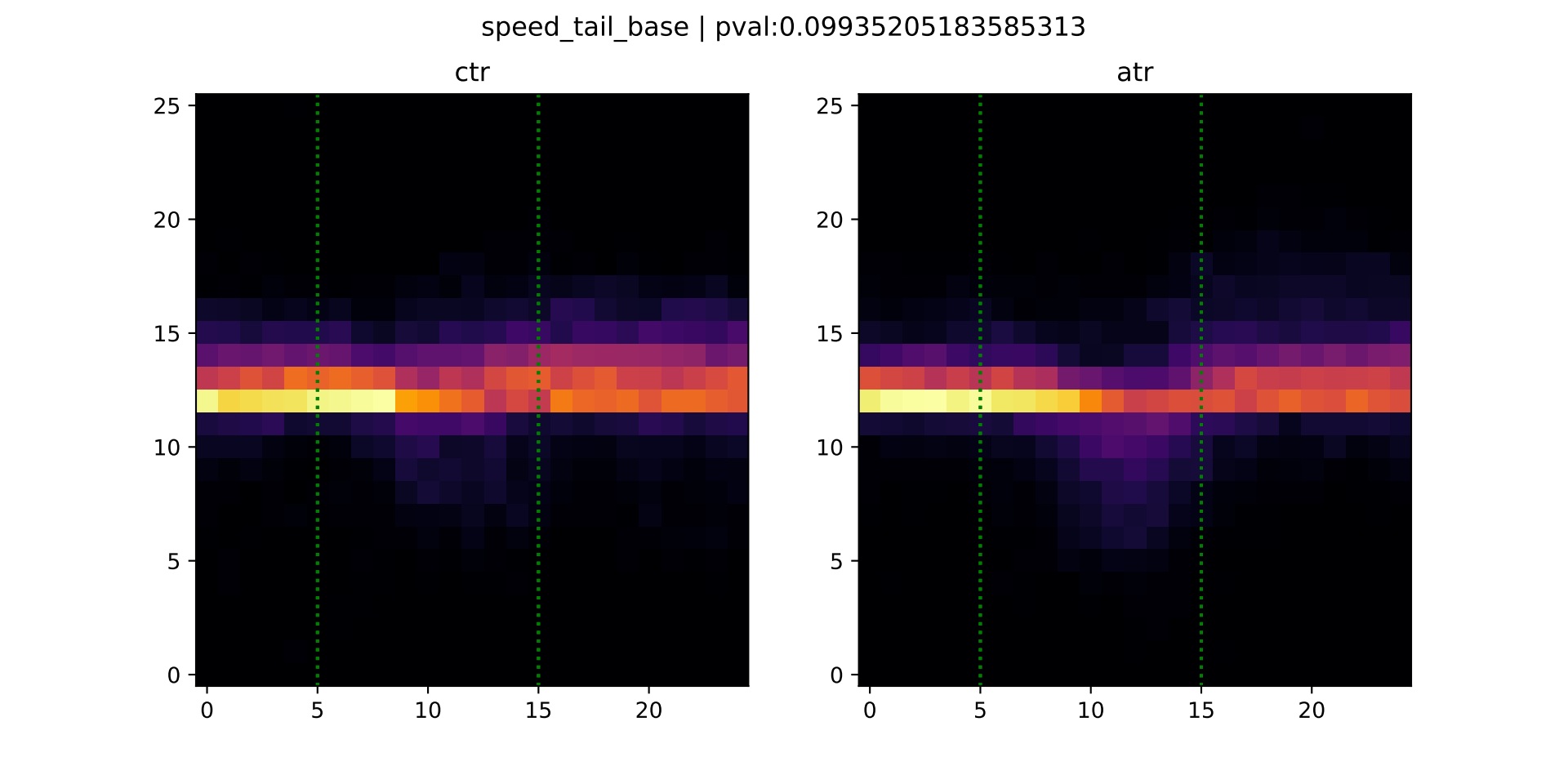

curvature_std_tail | pval:0.07991360691144708
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

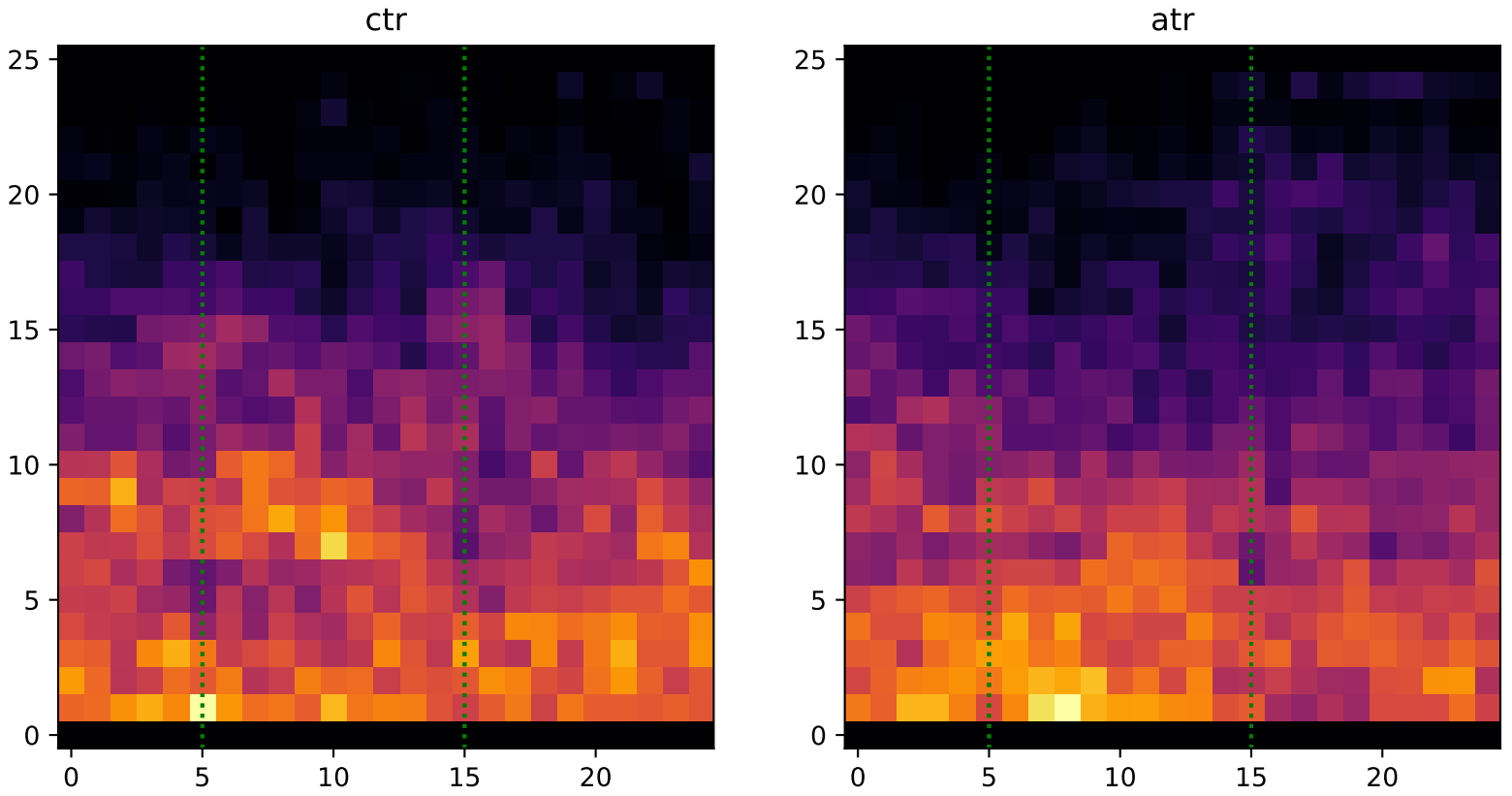

speed_neck | pval:0.08207343412526998
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

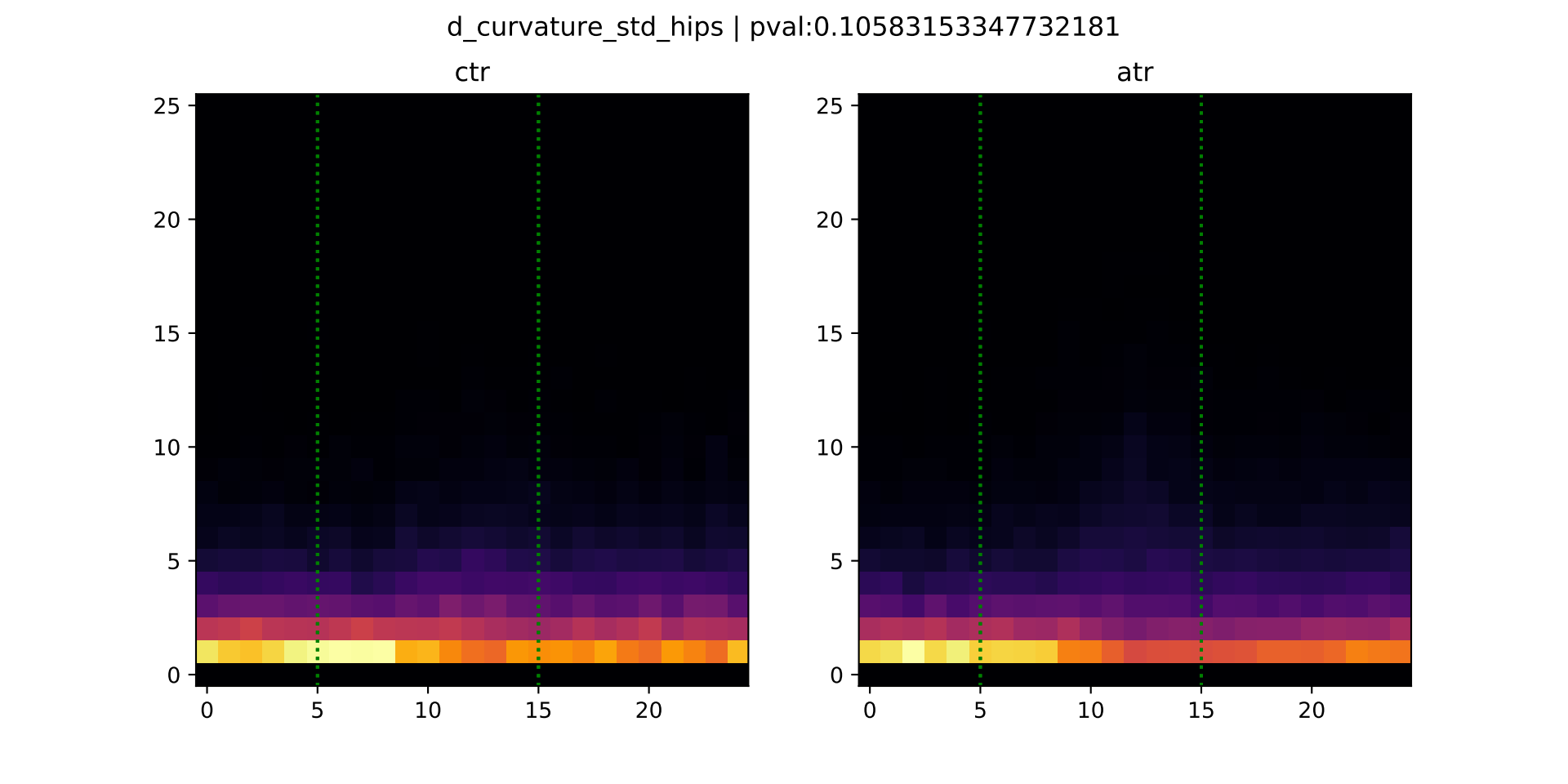

speed_midbody | pval:0.08855291576673865
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

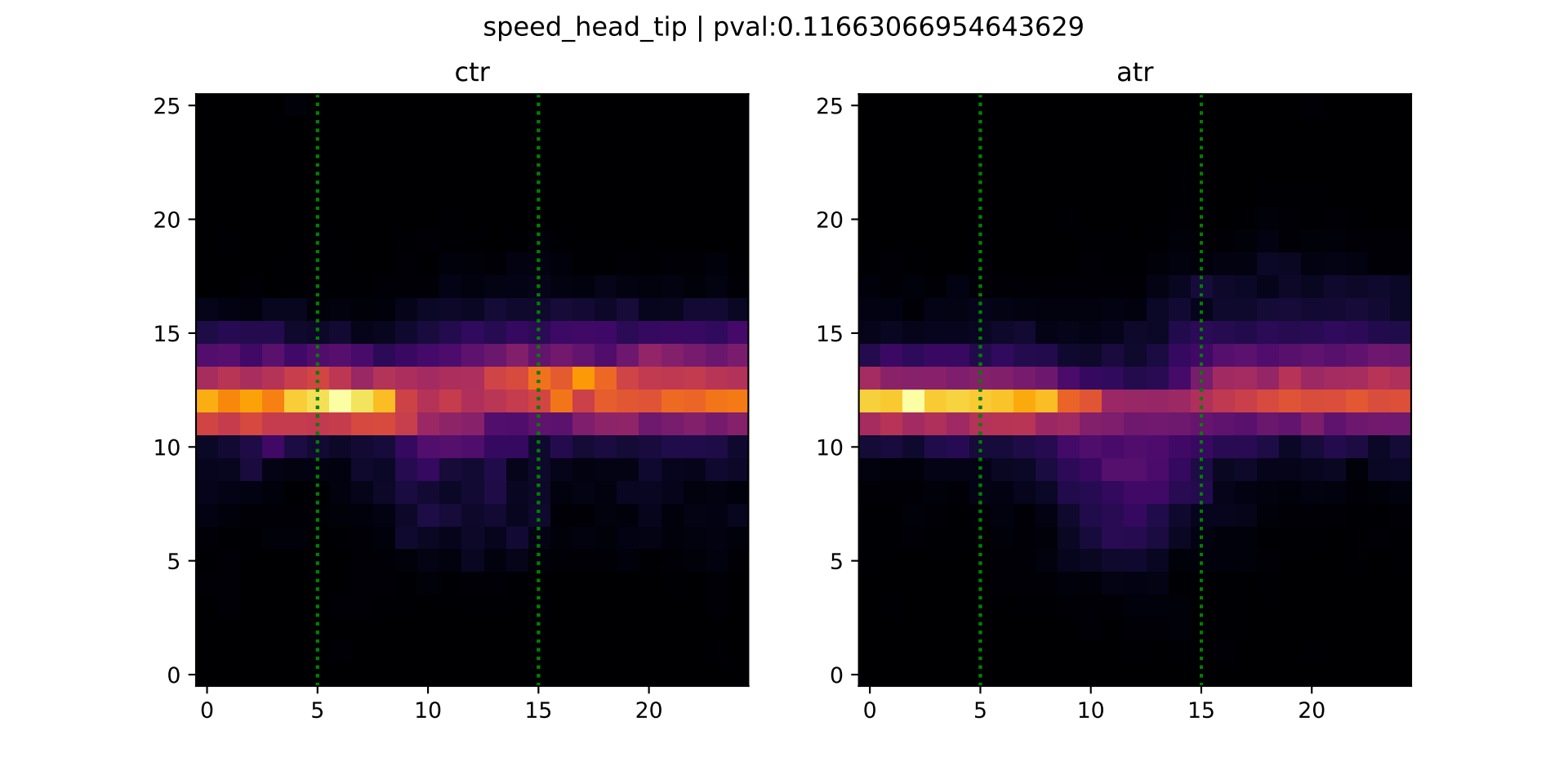

eigen_projection_1 | pval:0.09287257019438445
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

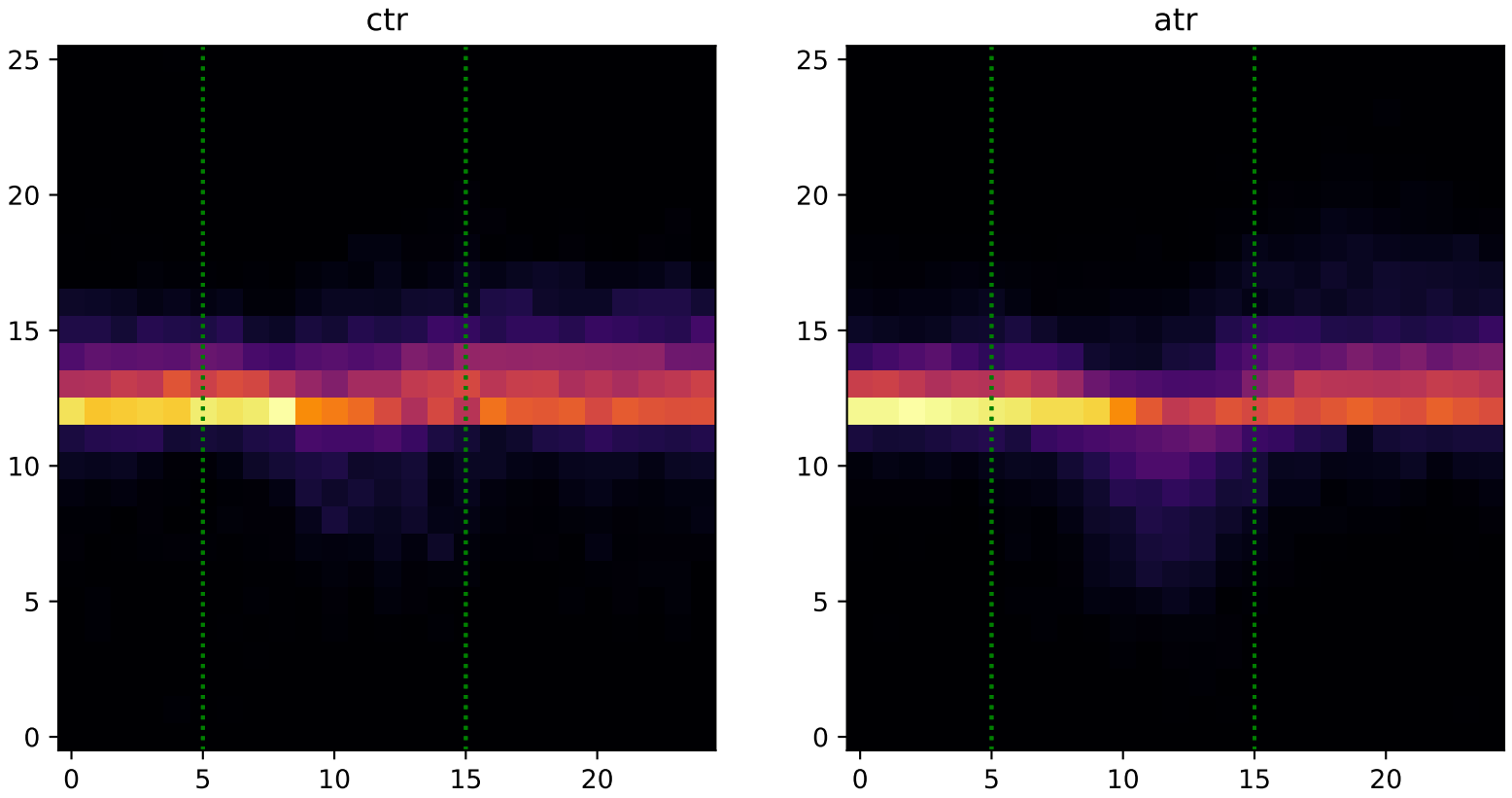

speed_head_base | pval:0.09503239740820735
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

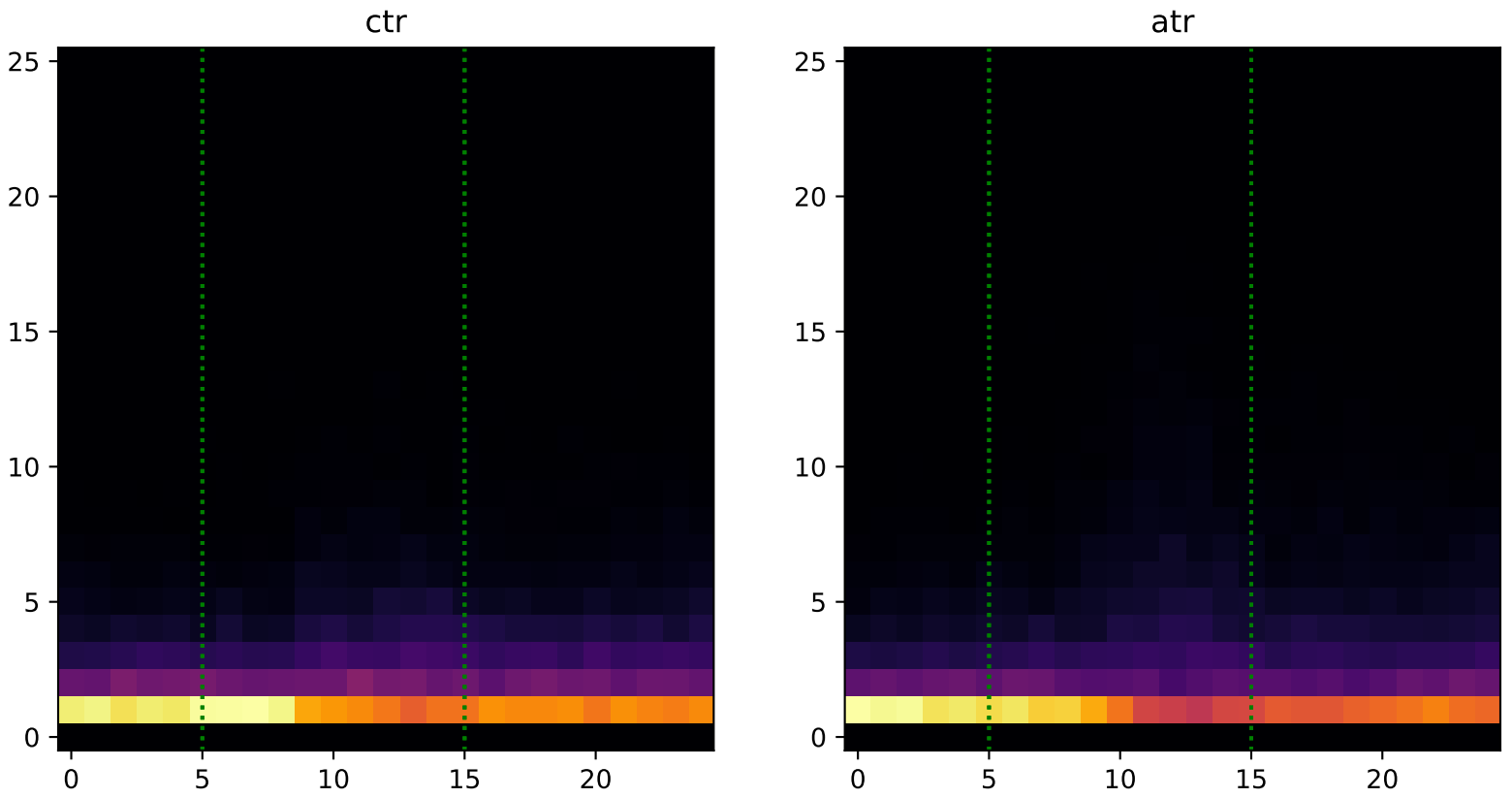

speed_tail_base | pval:0.09935205183585313
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

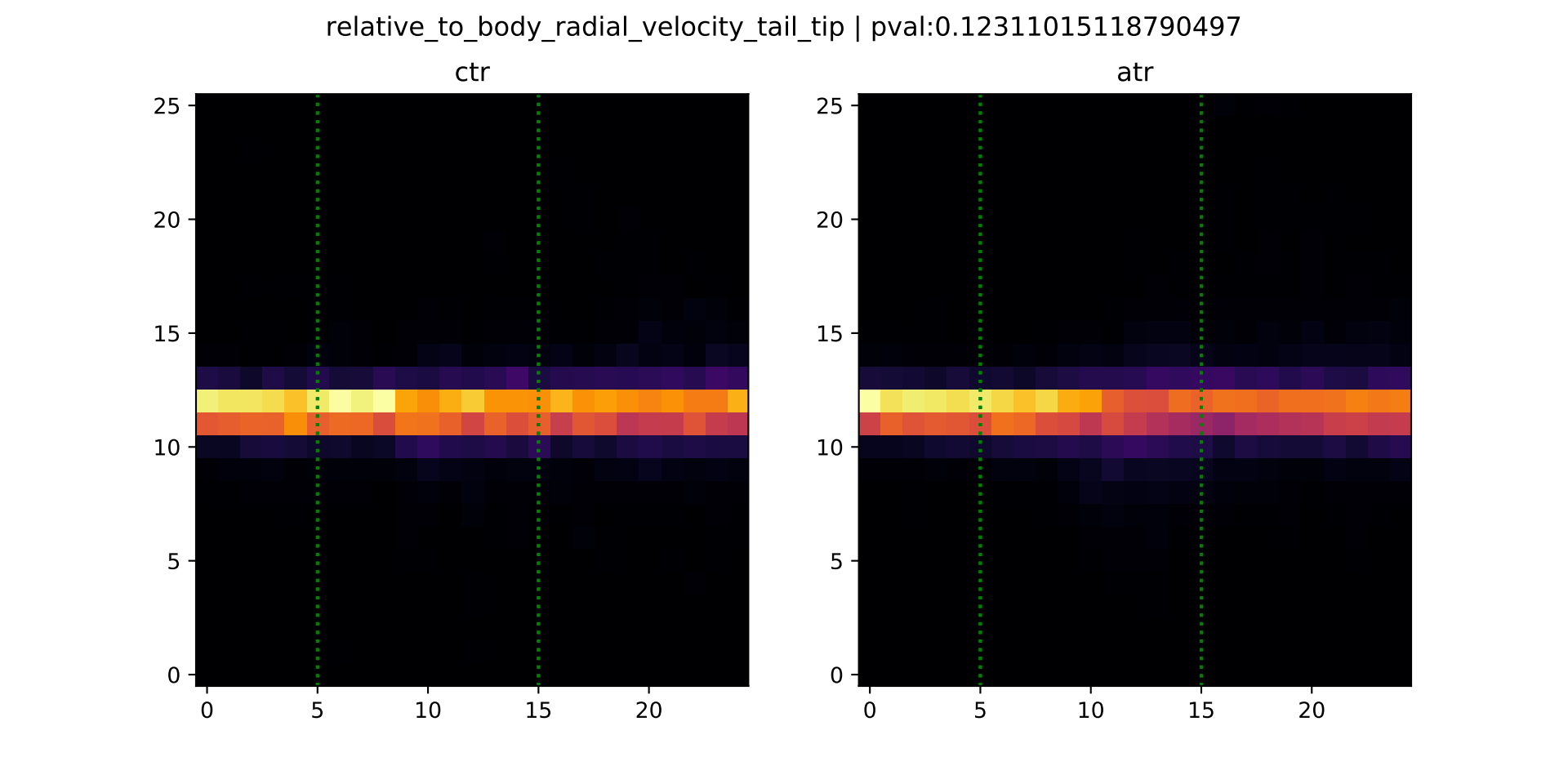

eigen_projection_4 | pval:0.10151187904967603
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

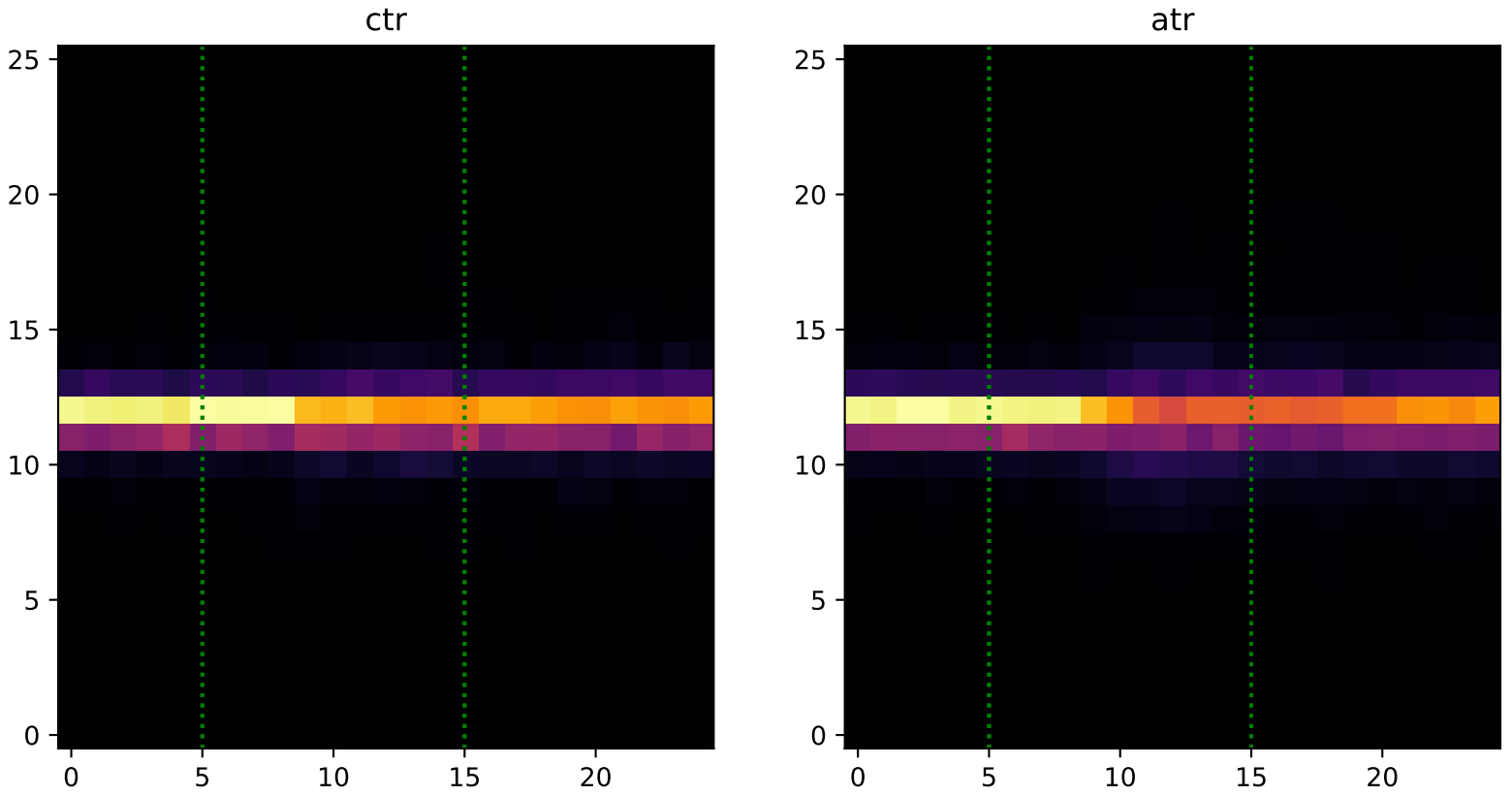

d_curvature_std_hips | pval:0.10583153347732181
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

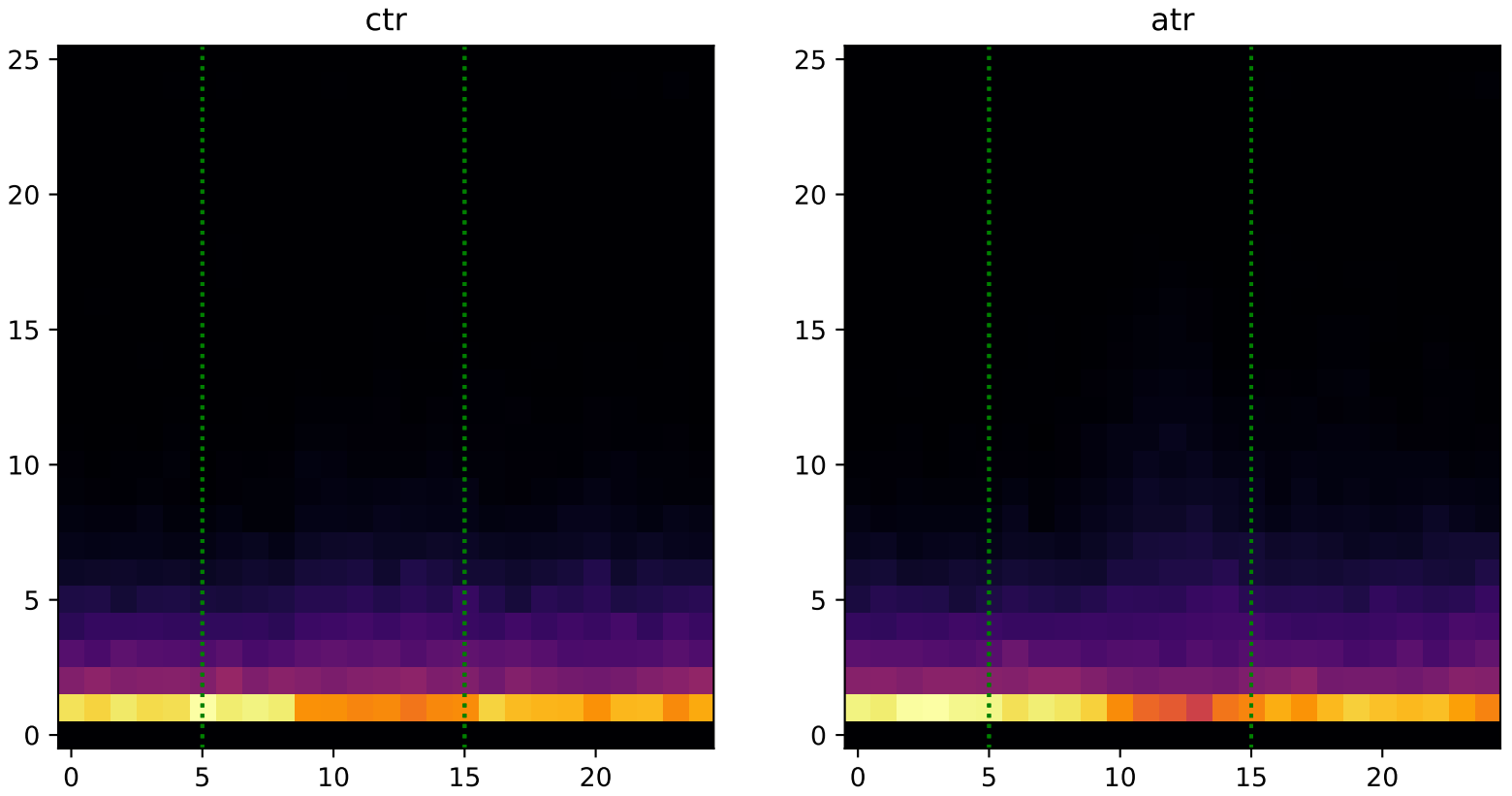

speed_head_tip | pval:0.11663066954643629
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

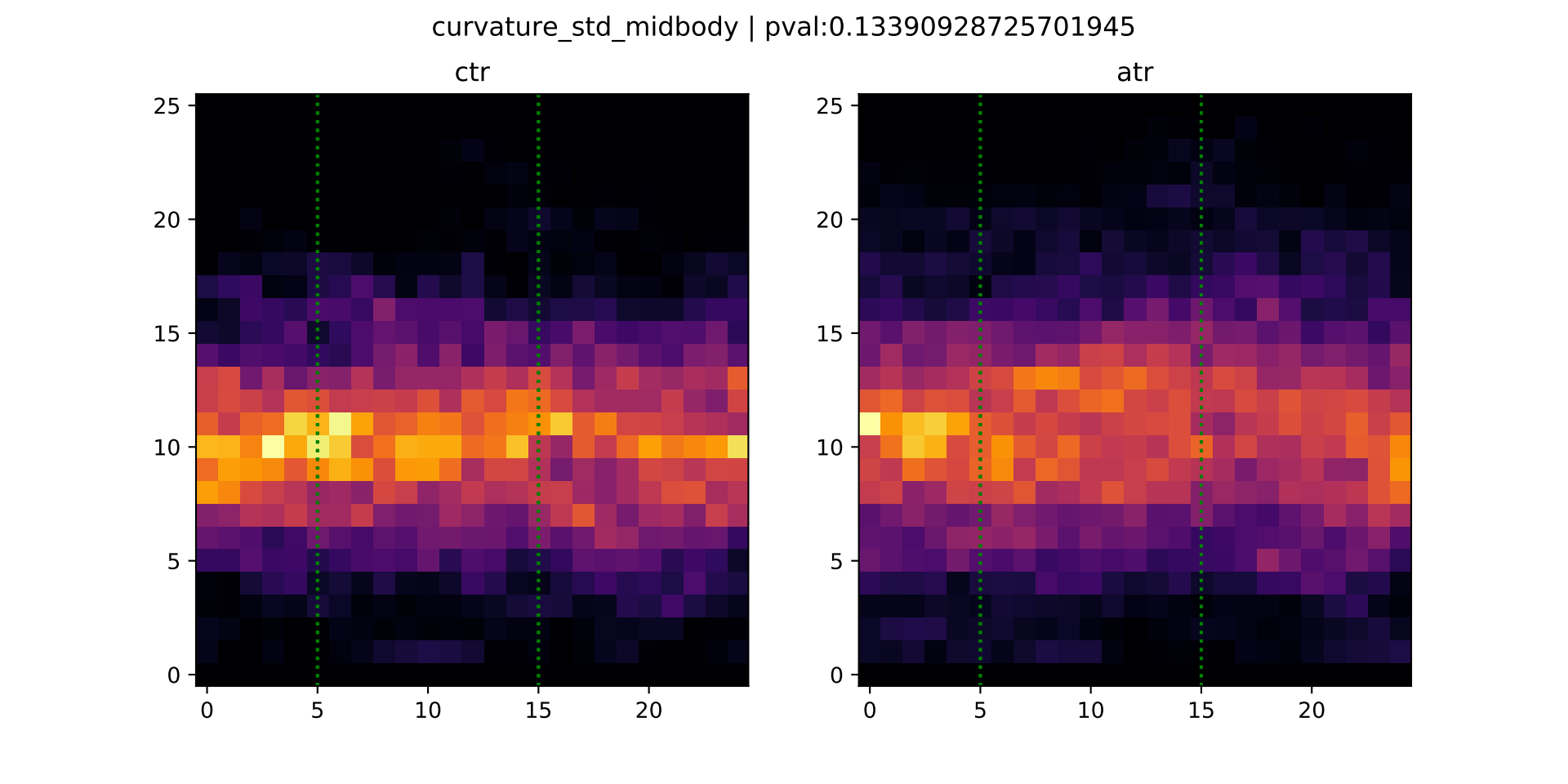

speed_tail_tip | pval:0.11879049676025918
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

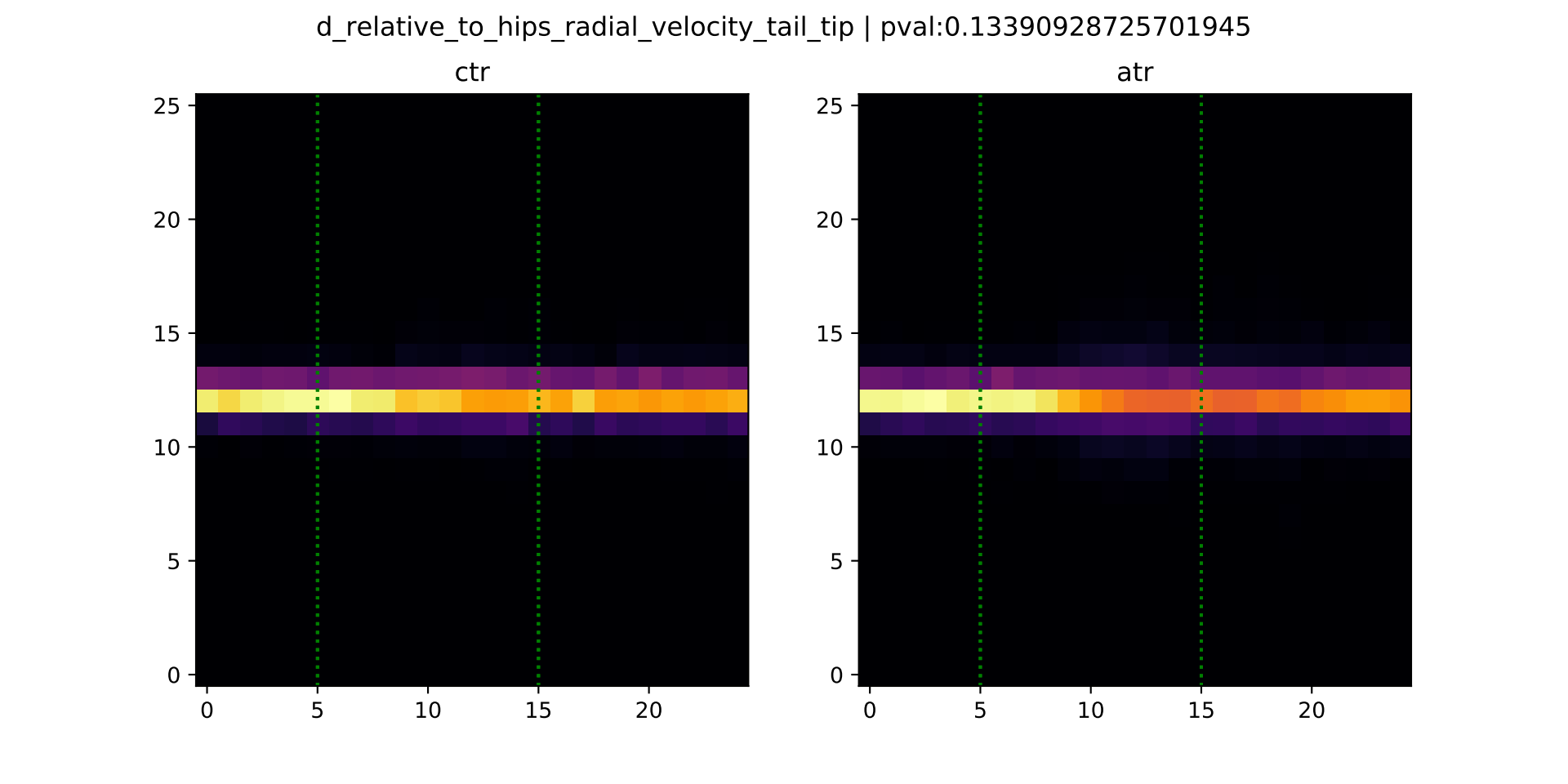

d_curvature_mean_tail | pval:0.12095032397408208
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

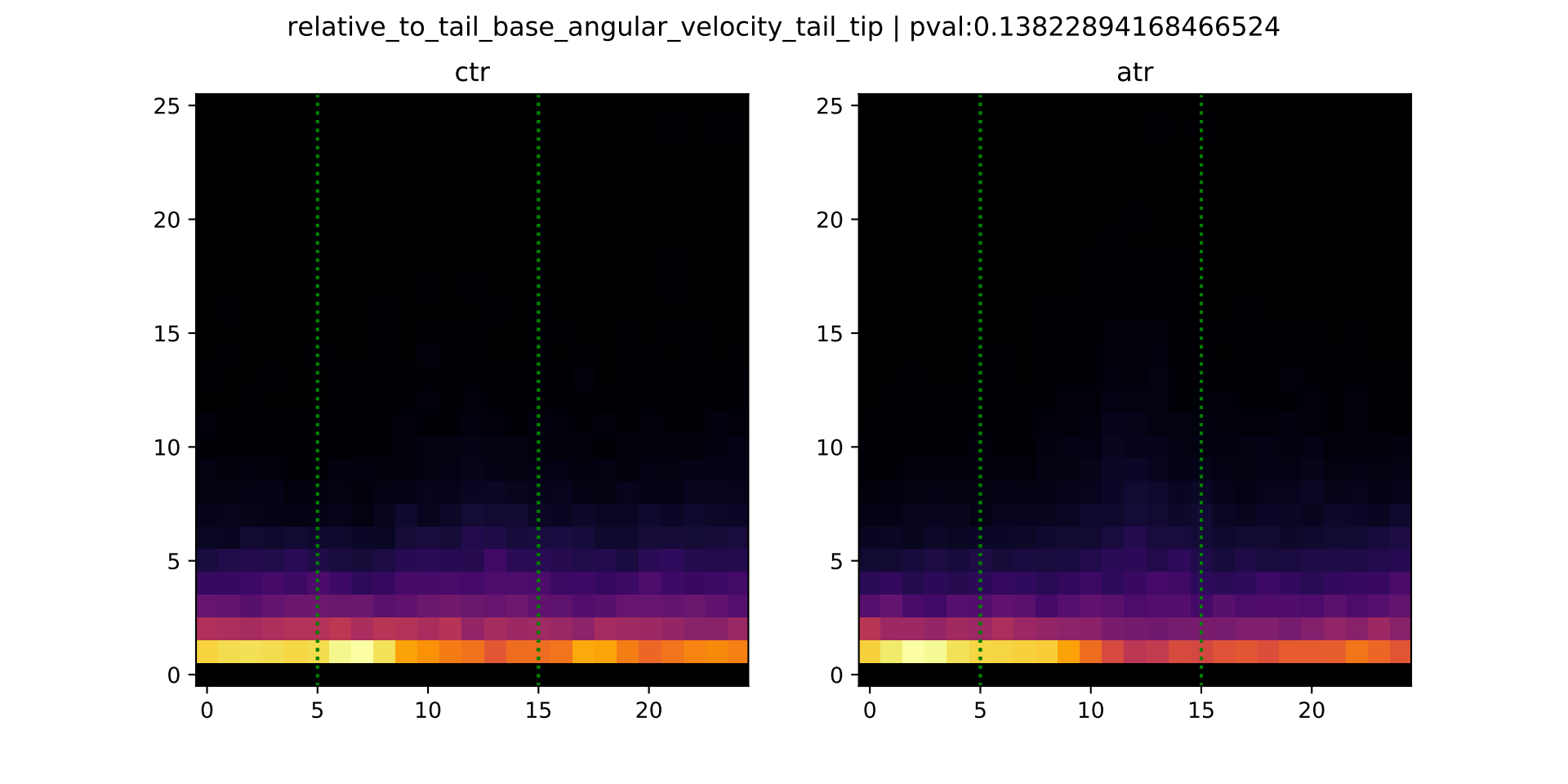

relative_to_body_radial_velocity_tail_tip | pval:0.12311015118790497
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

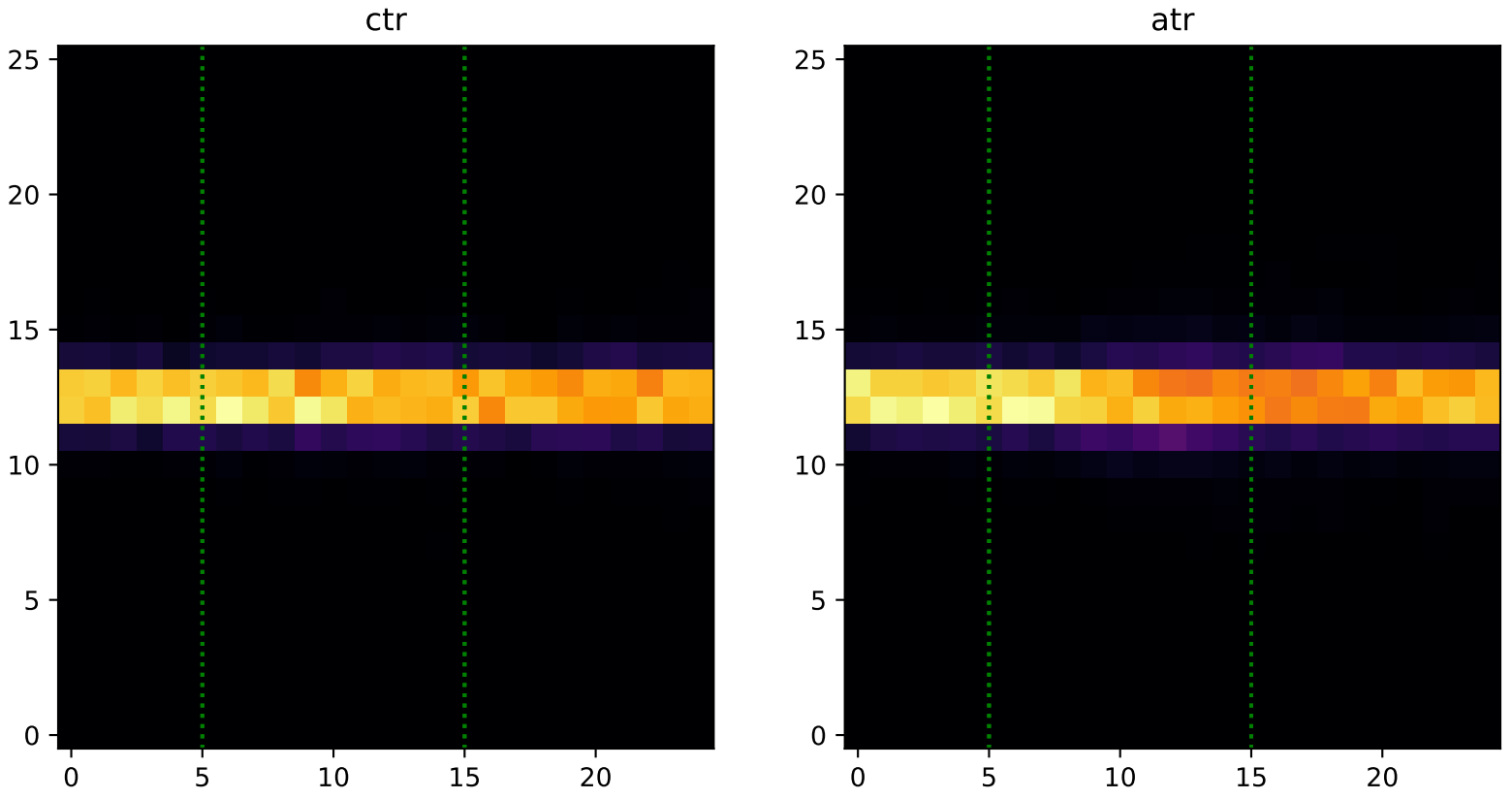

relative_to_hips_radial_velocity_tail_tip | pval:0.12526997840172785
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

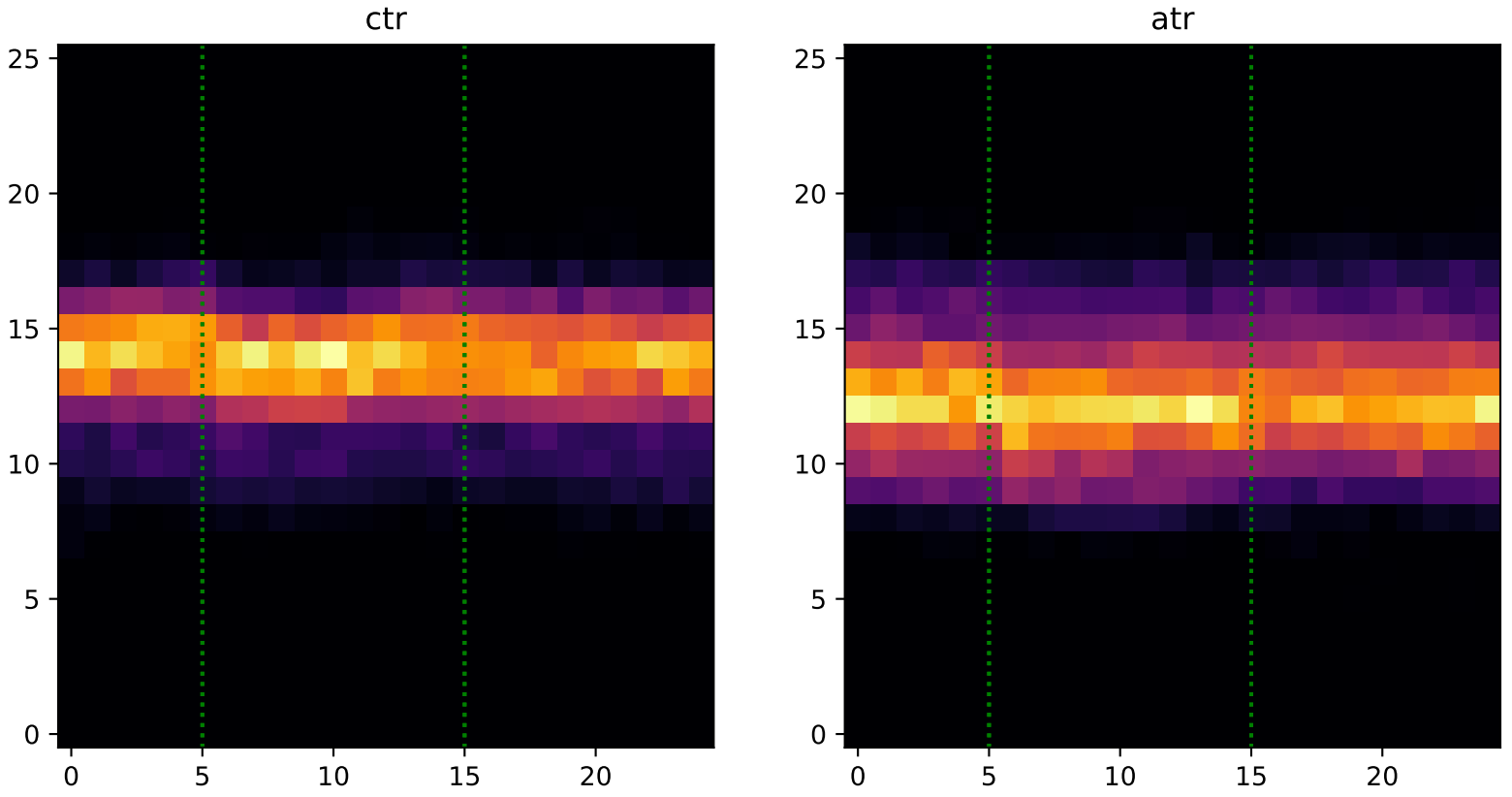

angular_velocity_tail_tip | pval:0.13390928725701945
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

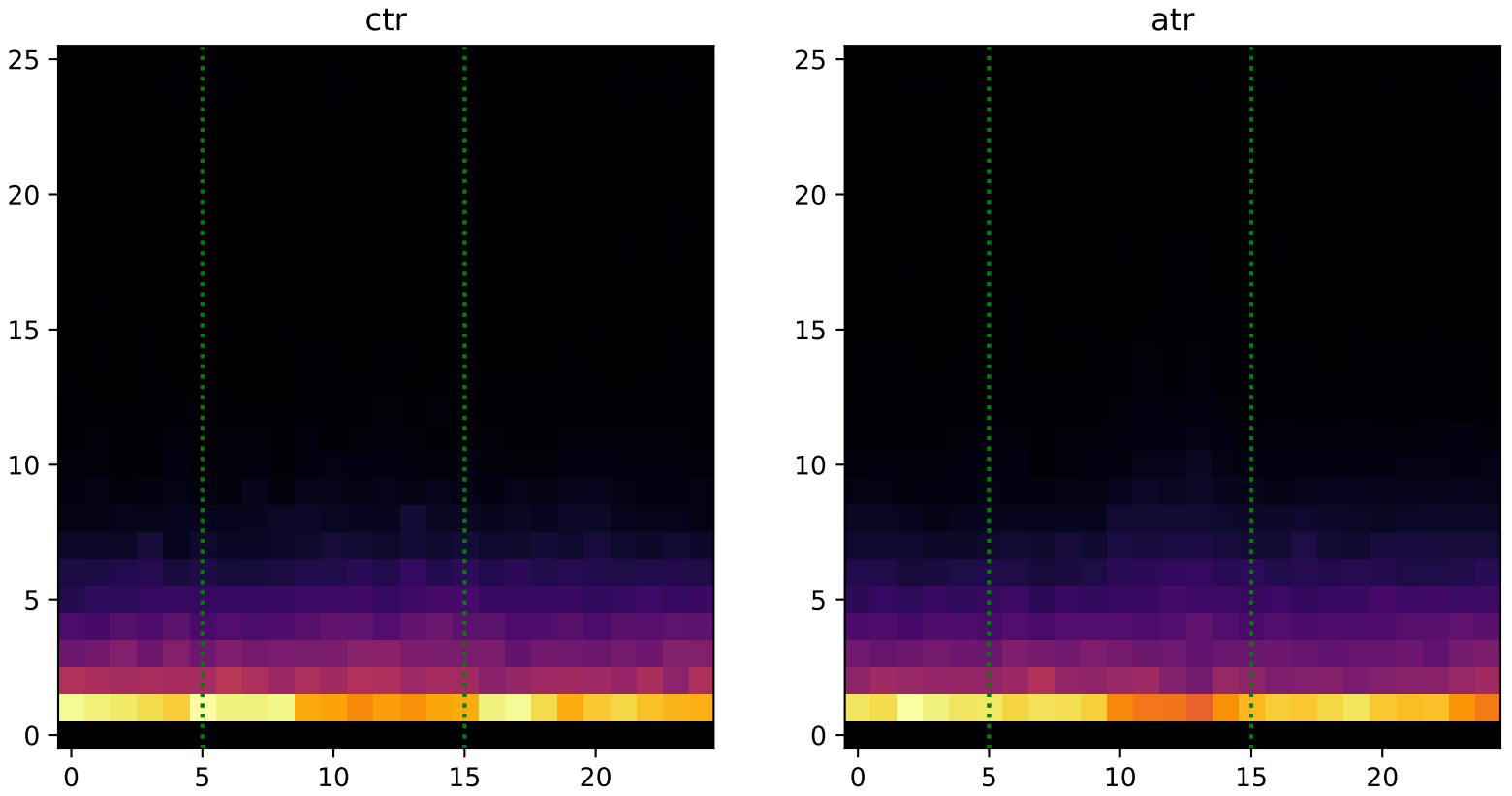

curvature_std_midbody | pval:0.13390928725701945
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

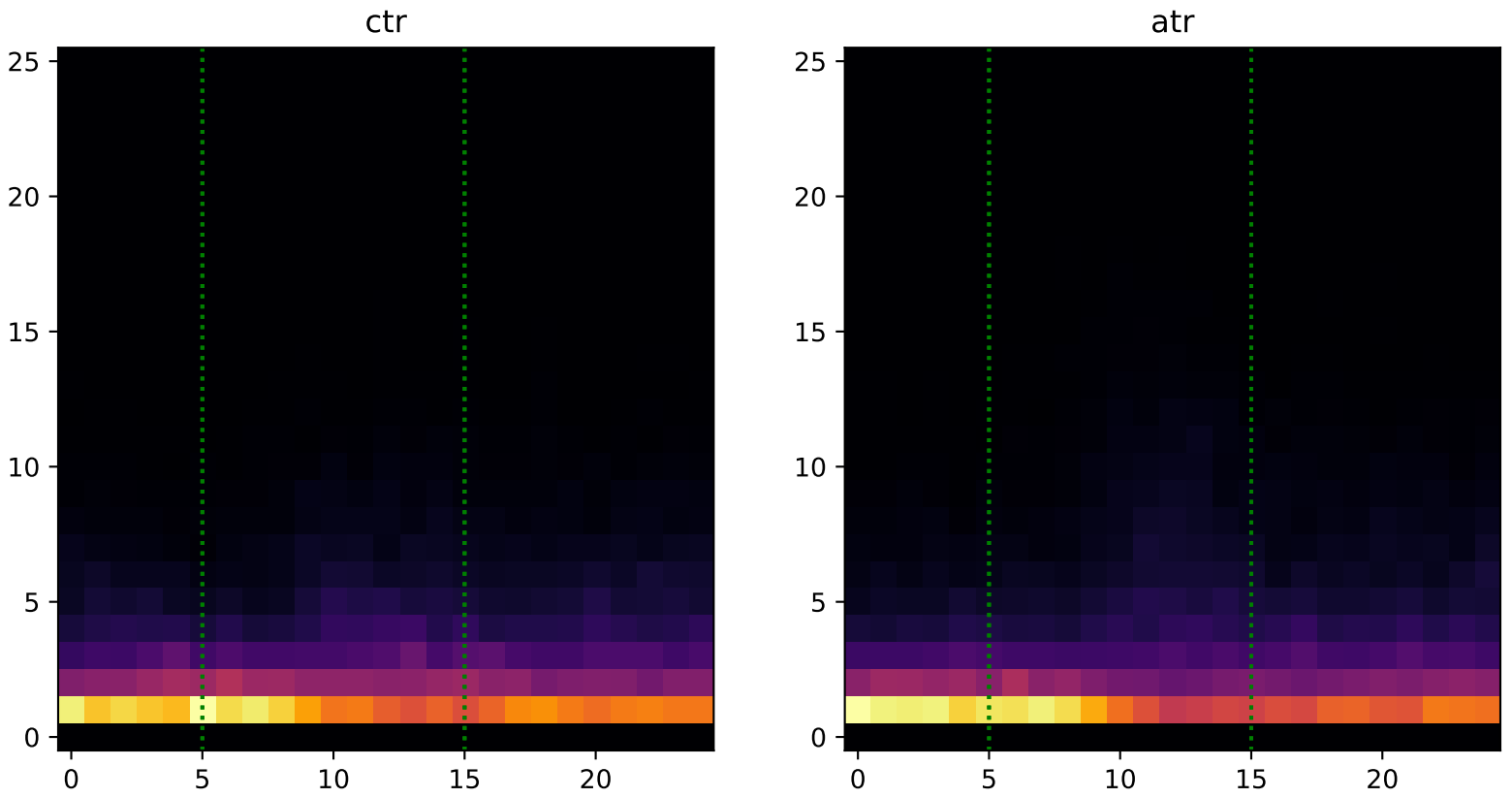

d_relative_to_hips_radial_velocity_tail_tip | pval:0.13390928725701945
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

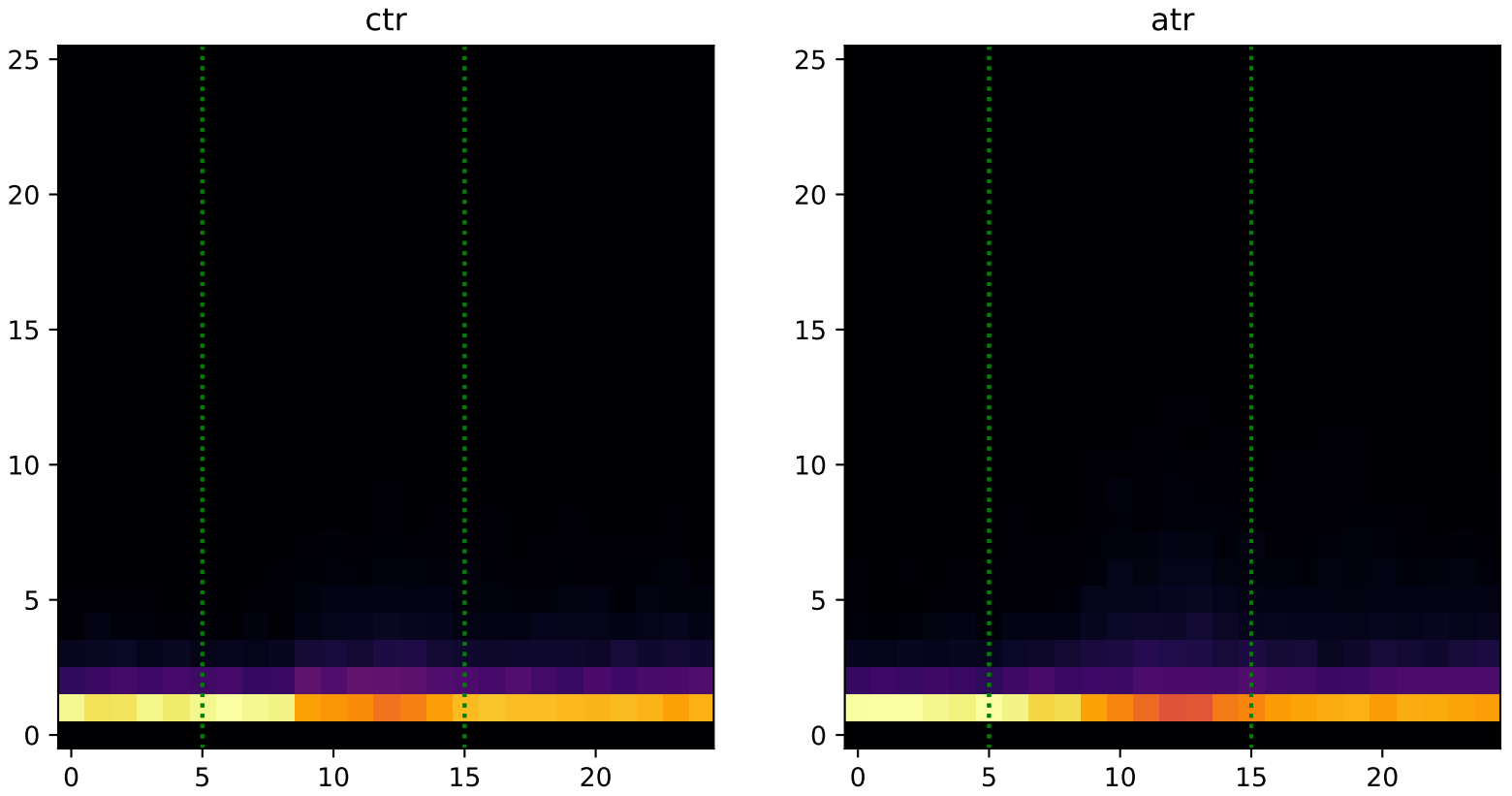

relative_to_tail_base_angular_velocity_tail_tip | pval:0.13822894168466524
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

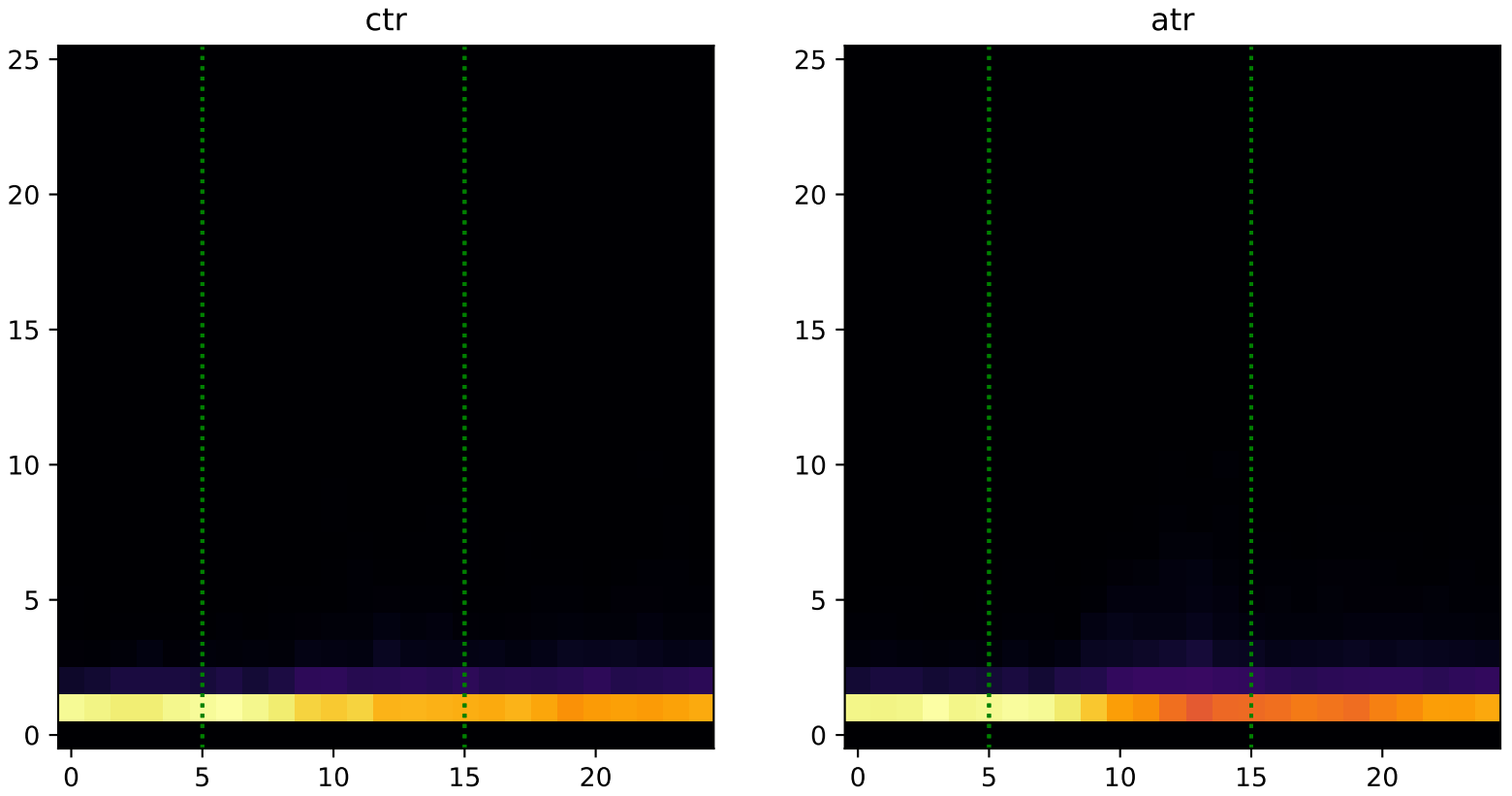

relative_to_tail_base_radial_velocity_tail_tip | pval:0.14038876889848811
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

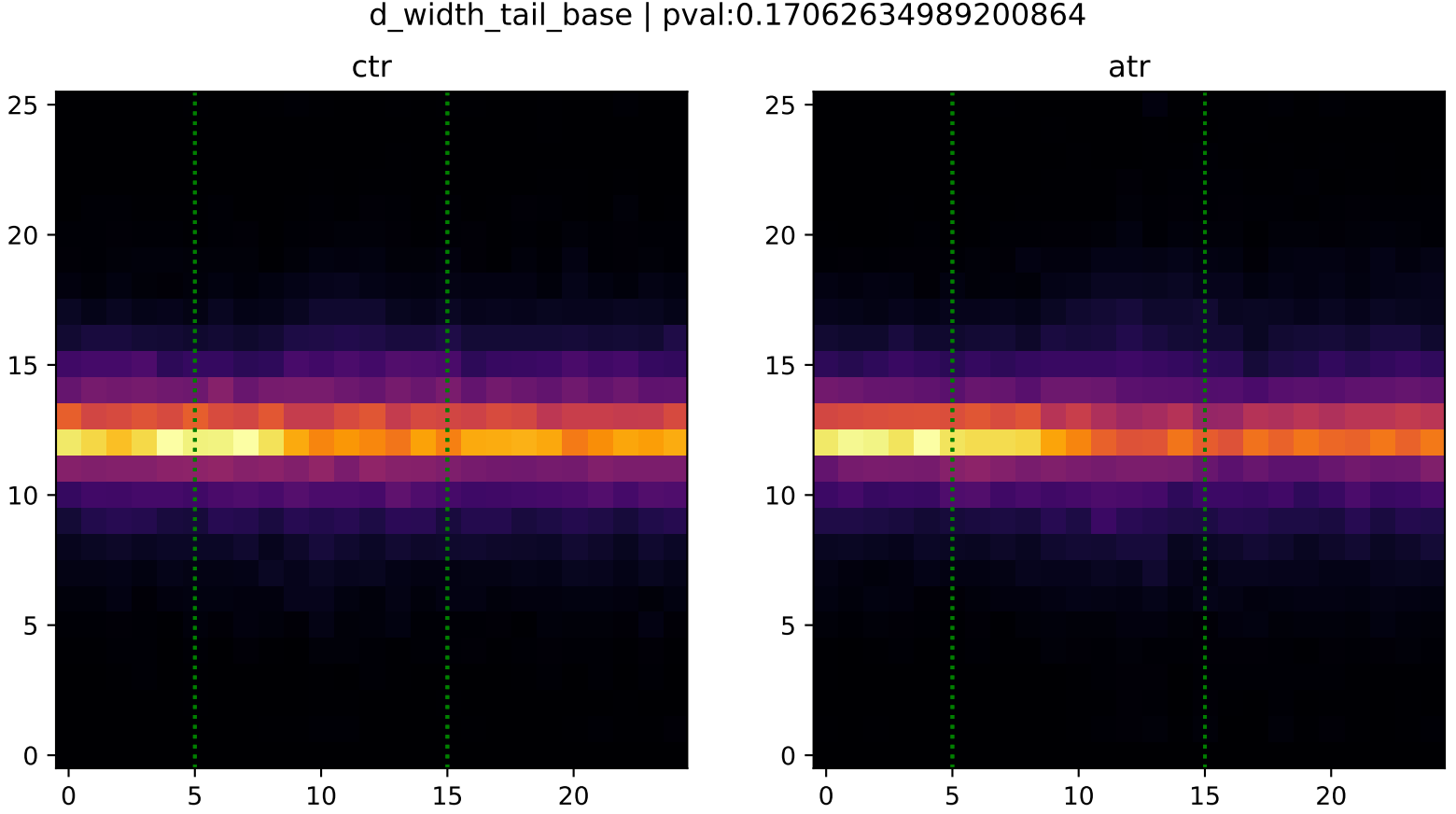

area | pval:0.14254859611231102
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

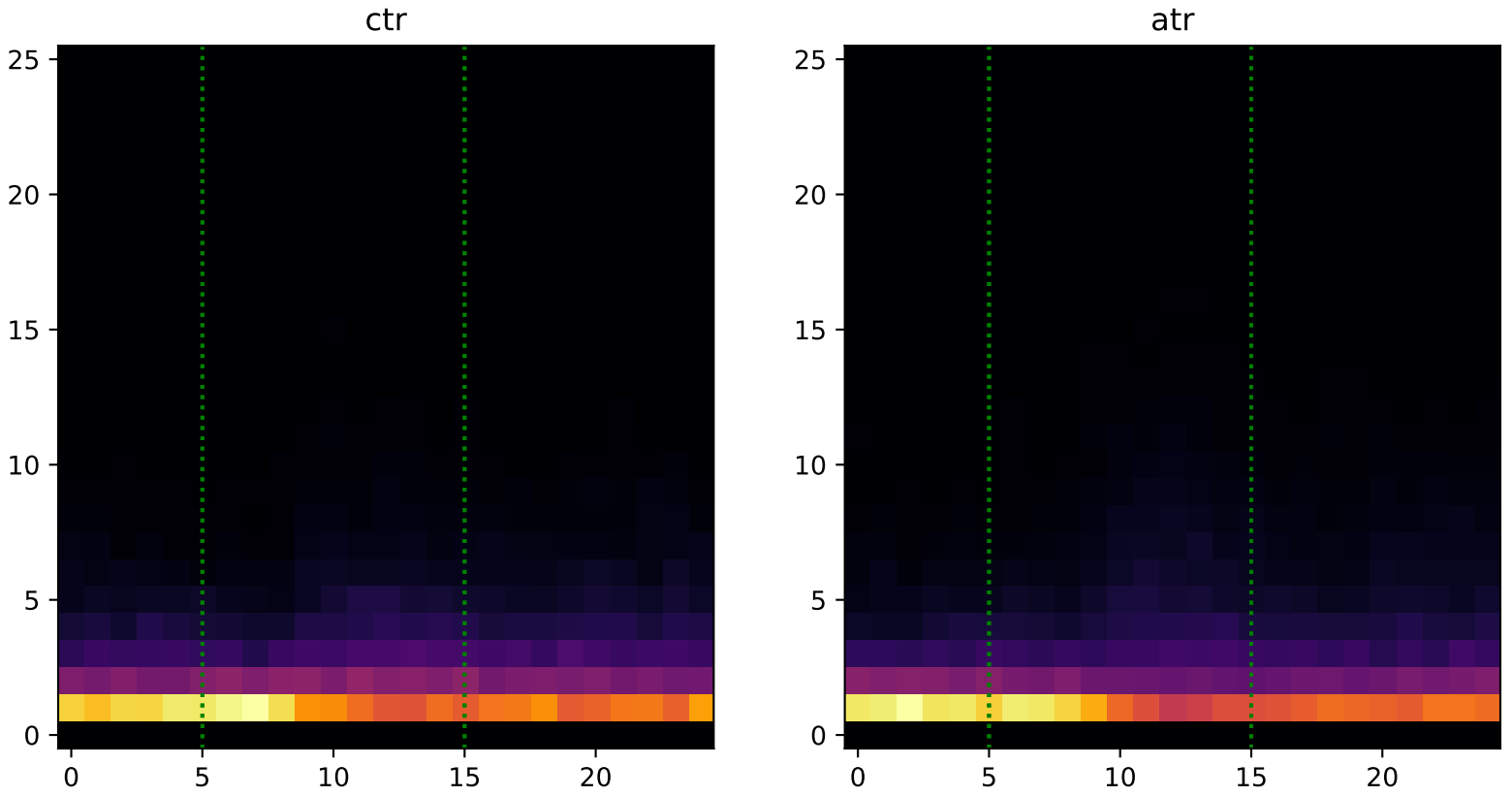

d_angular_velocity_tail_tip | pval:0.1511879049676026
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

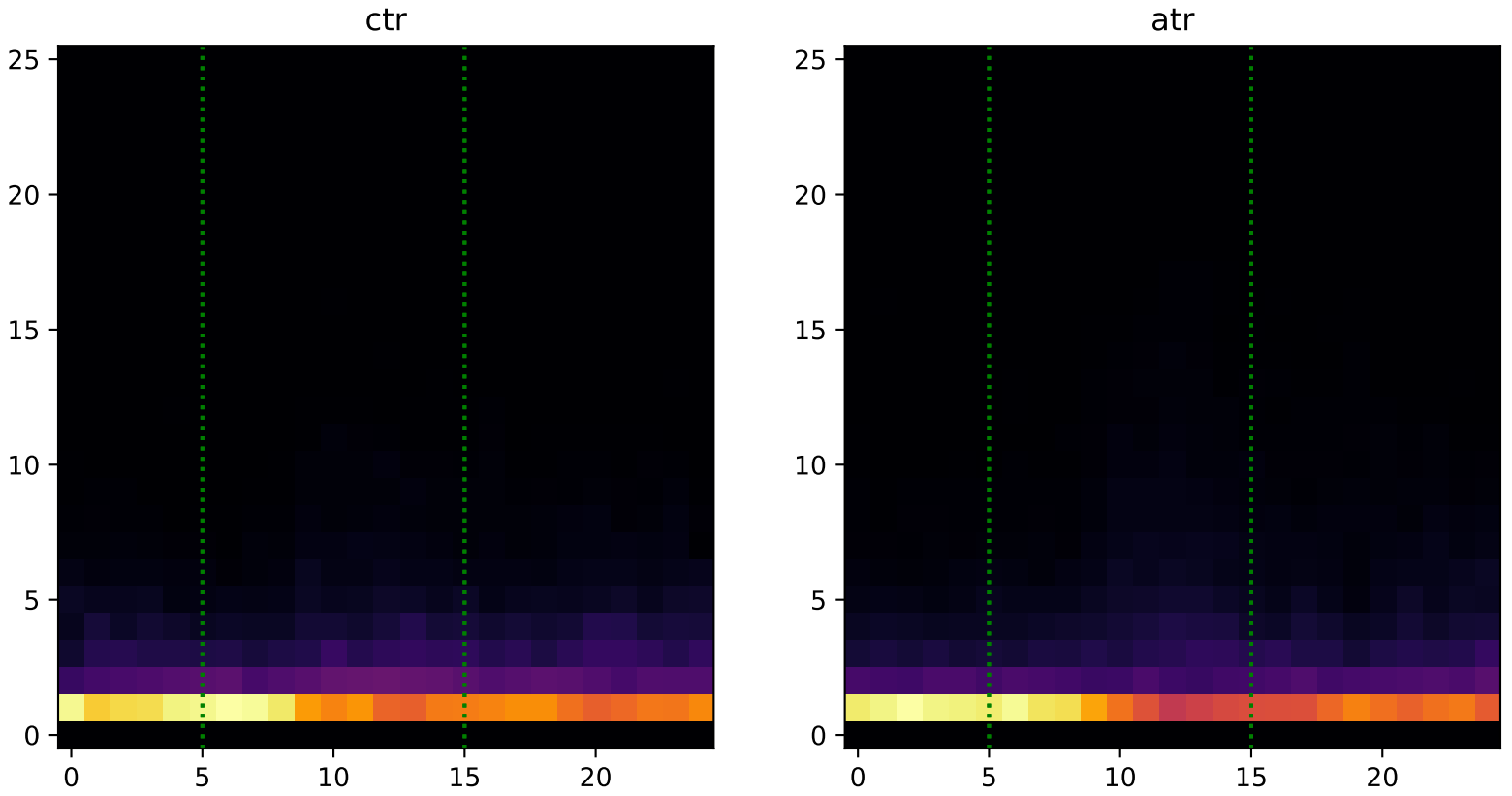

d_curvature_midbody | pval:0.15550755939524838
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

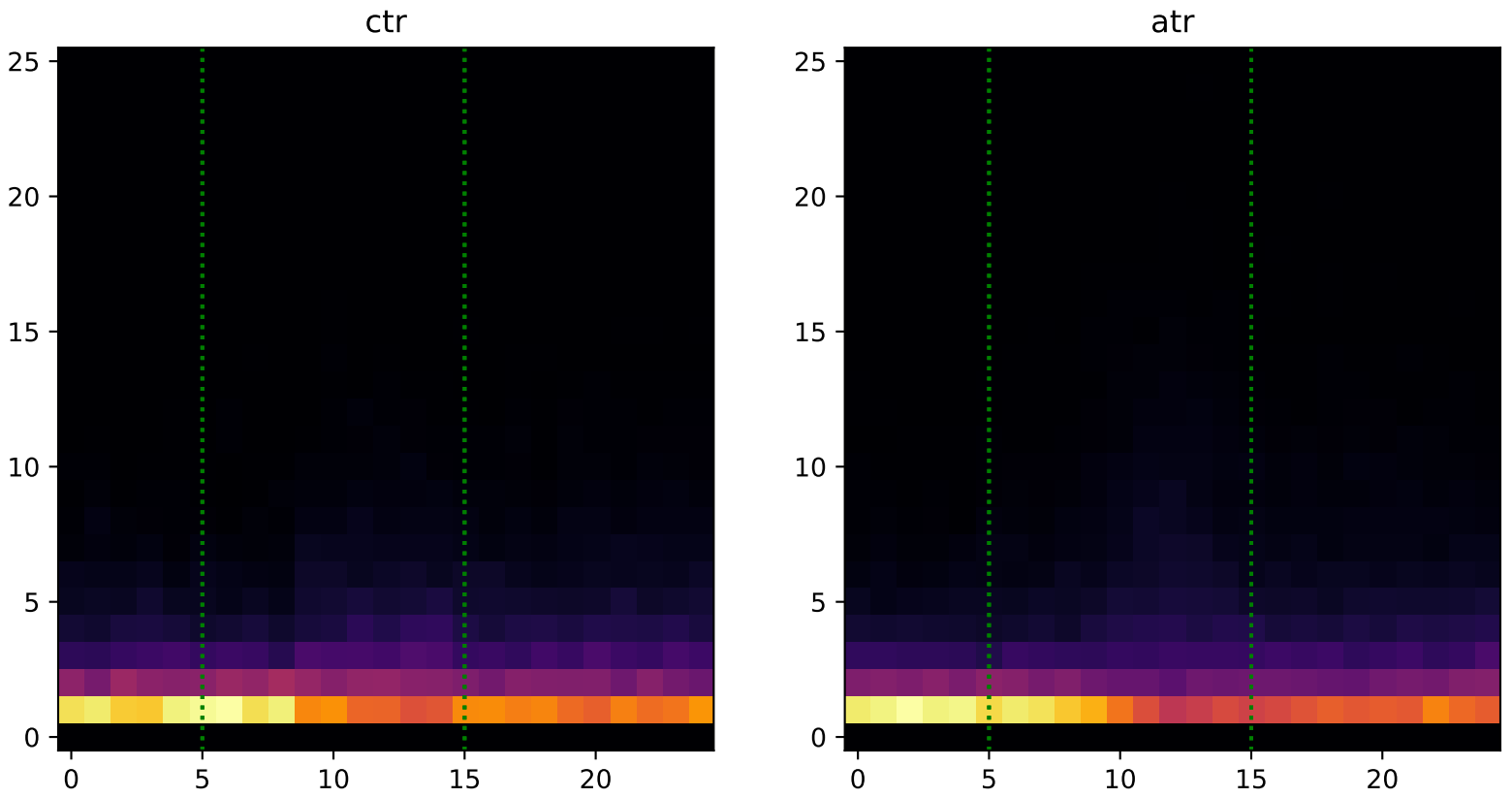

d_angular_velocity_hips | pval:0.16198704103671707
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

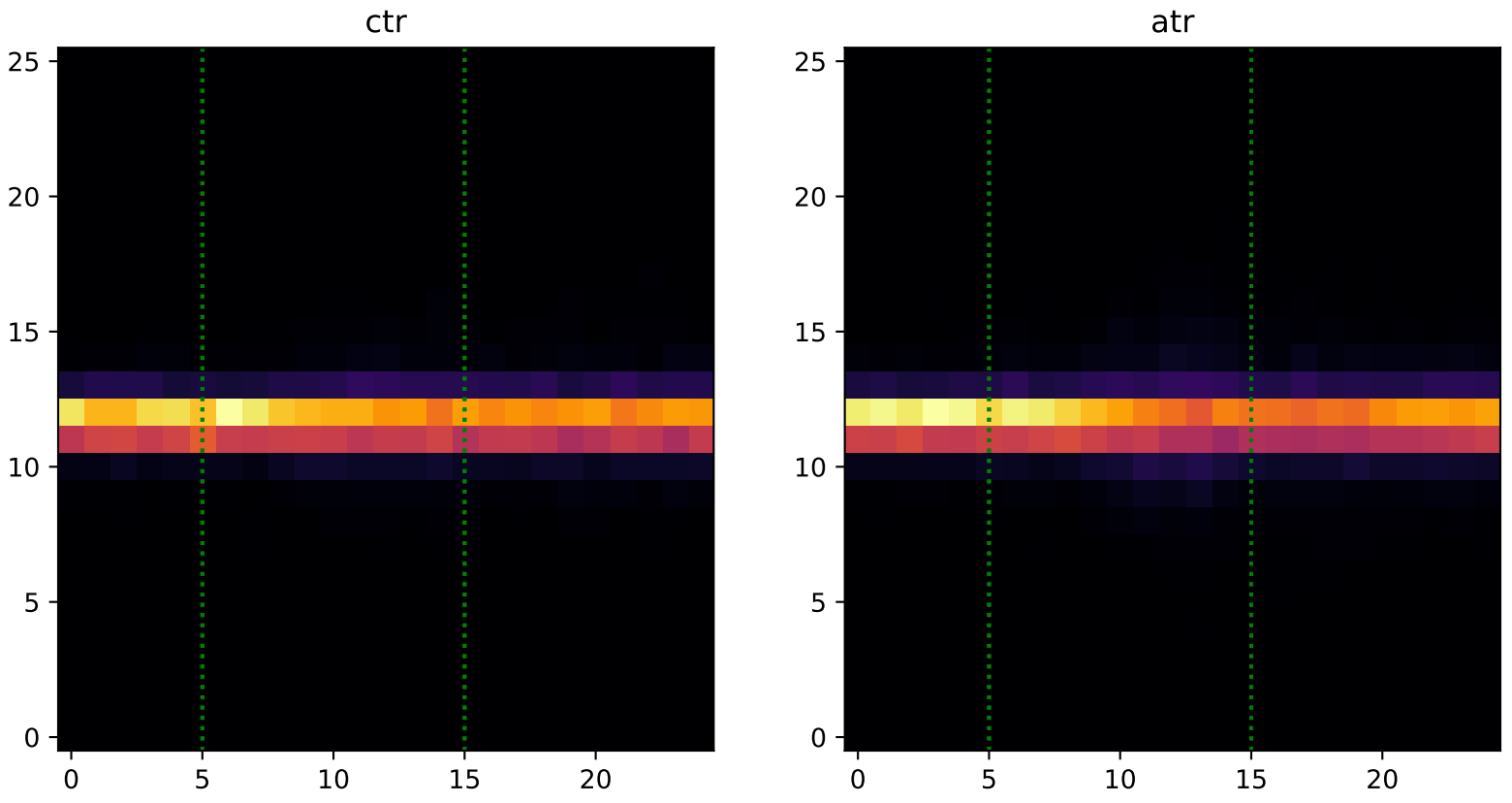

d_relative_to_body_angular_velocity_tail_tip | pval:0.16846652267818574
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

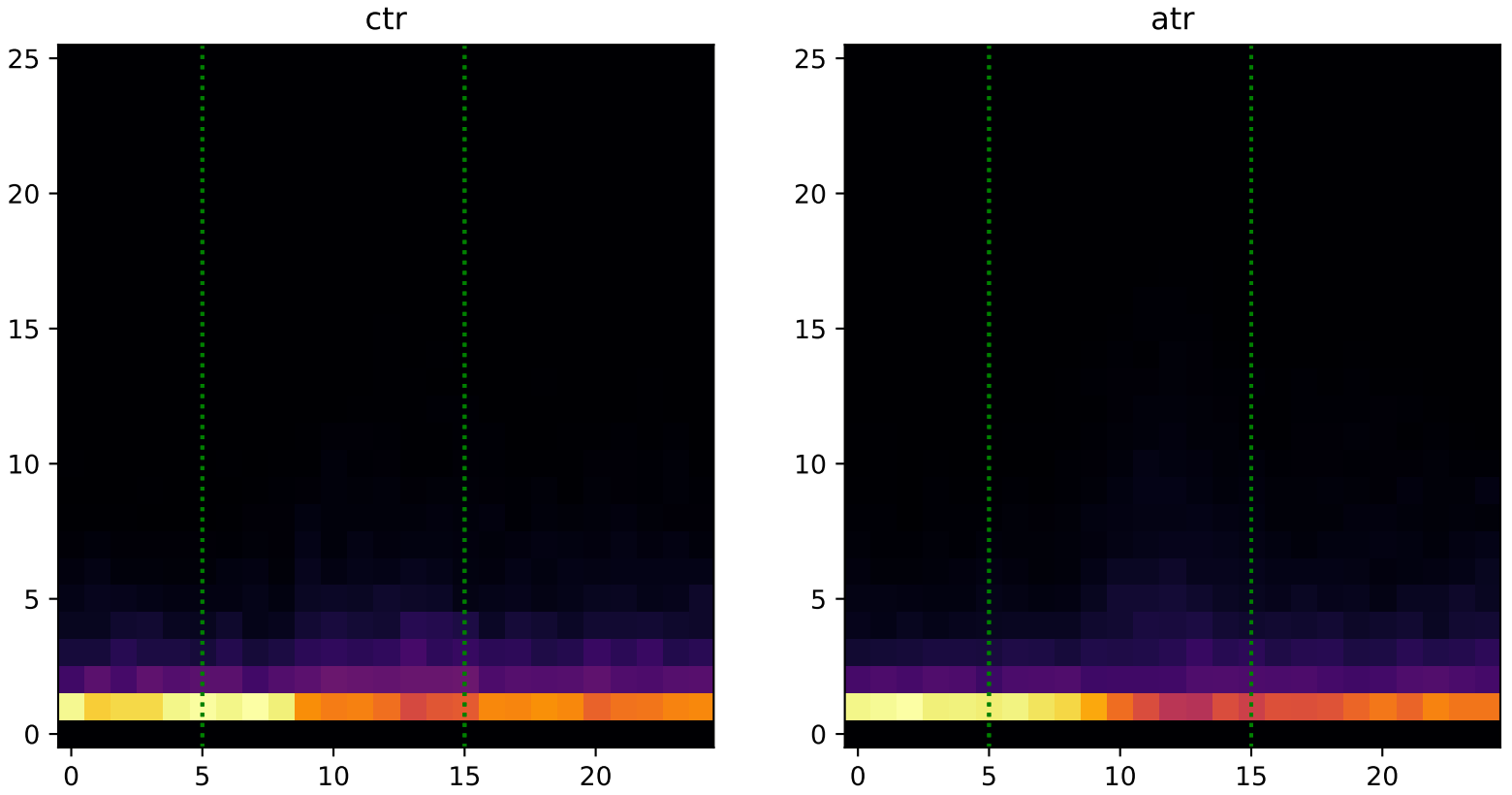

d_width_tail_base | pval:0.17062634989200864
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

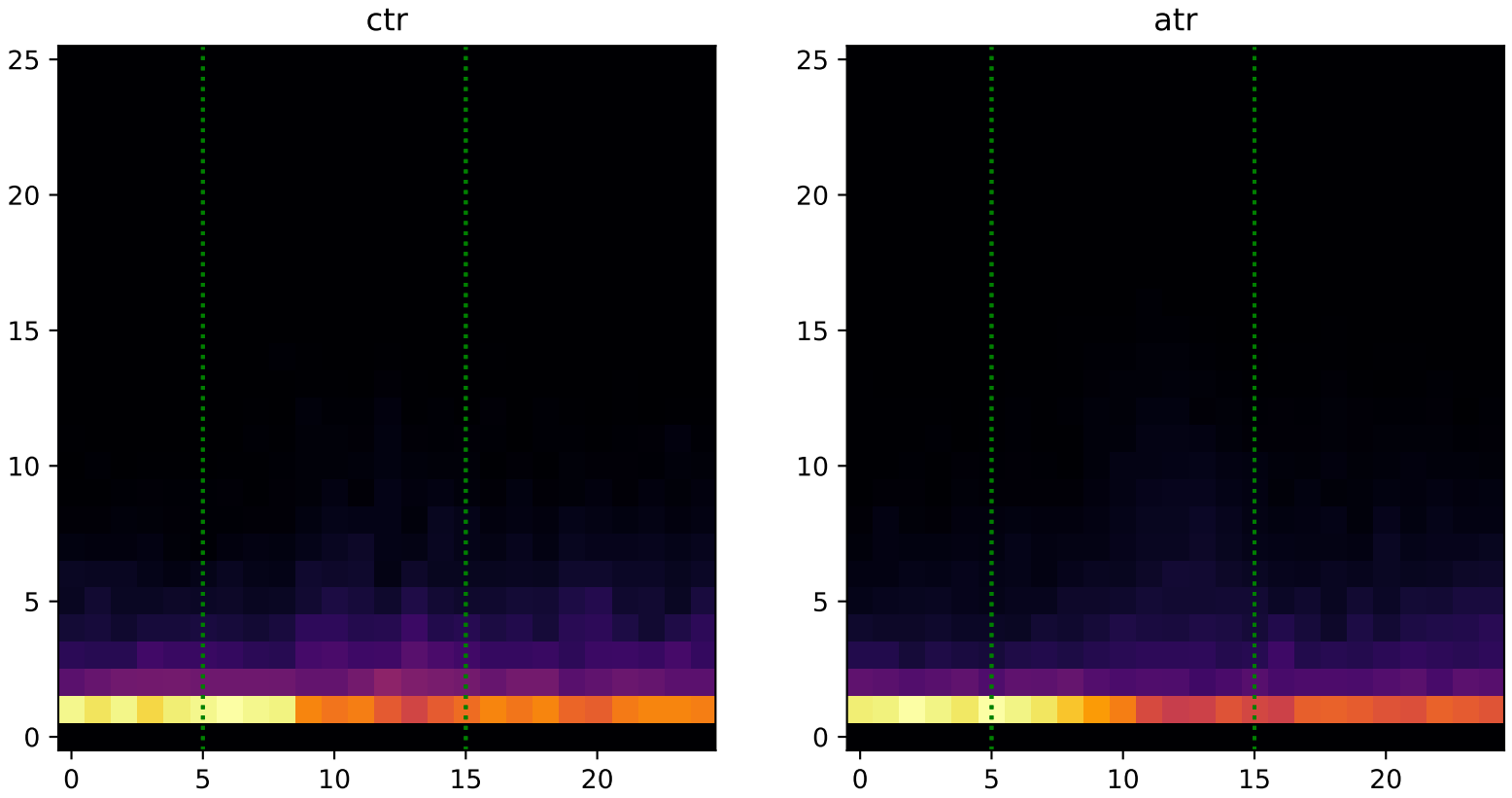

d_curvature_hips | pval:0.17494600431965443
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

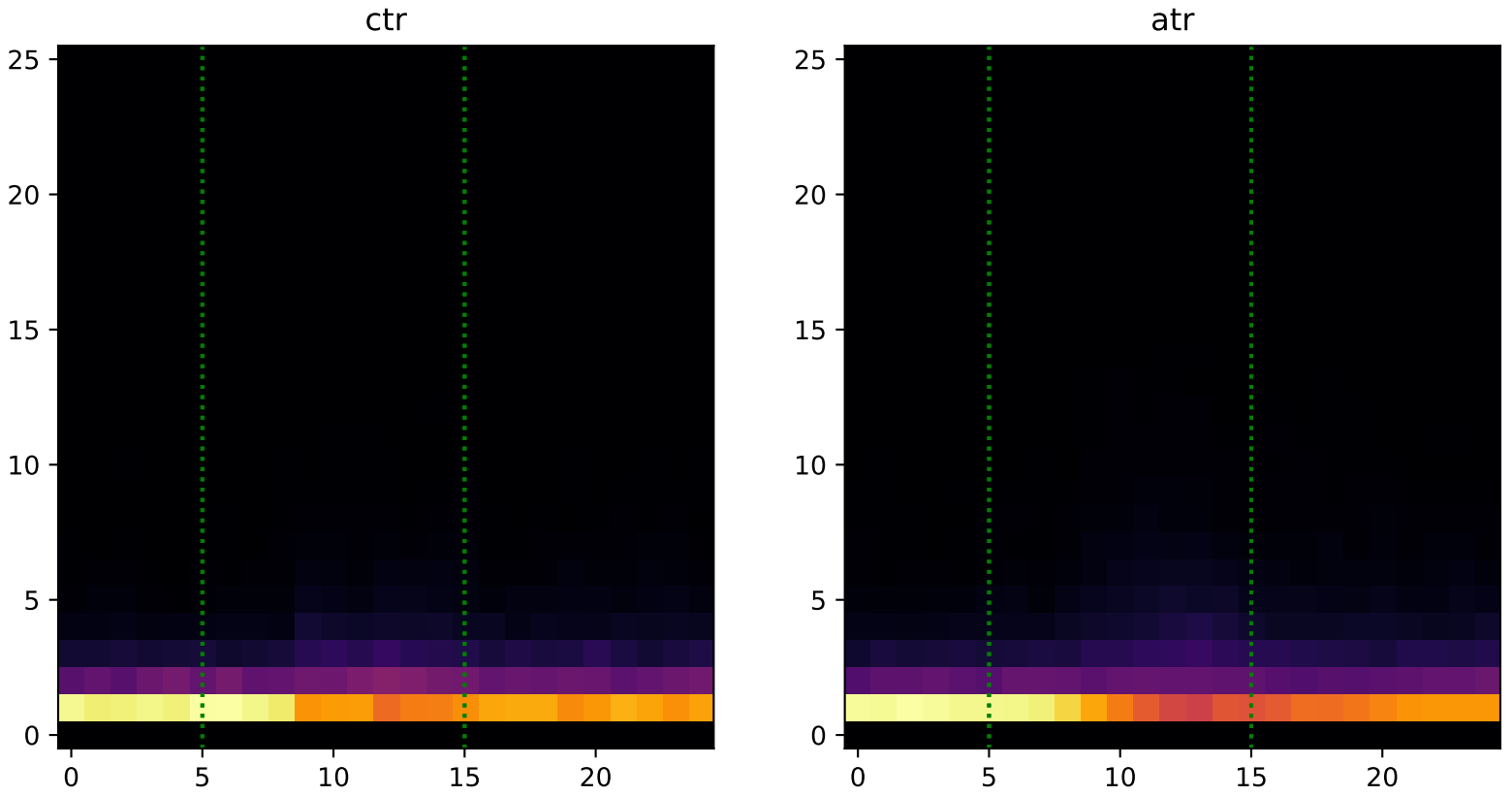

d_curvature_mean_hips | pval:0.17494600431965443
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

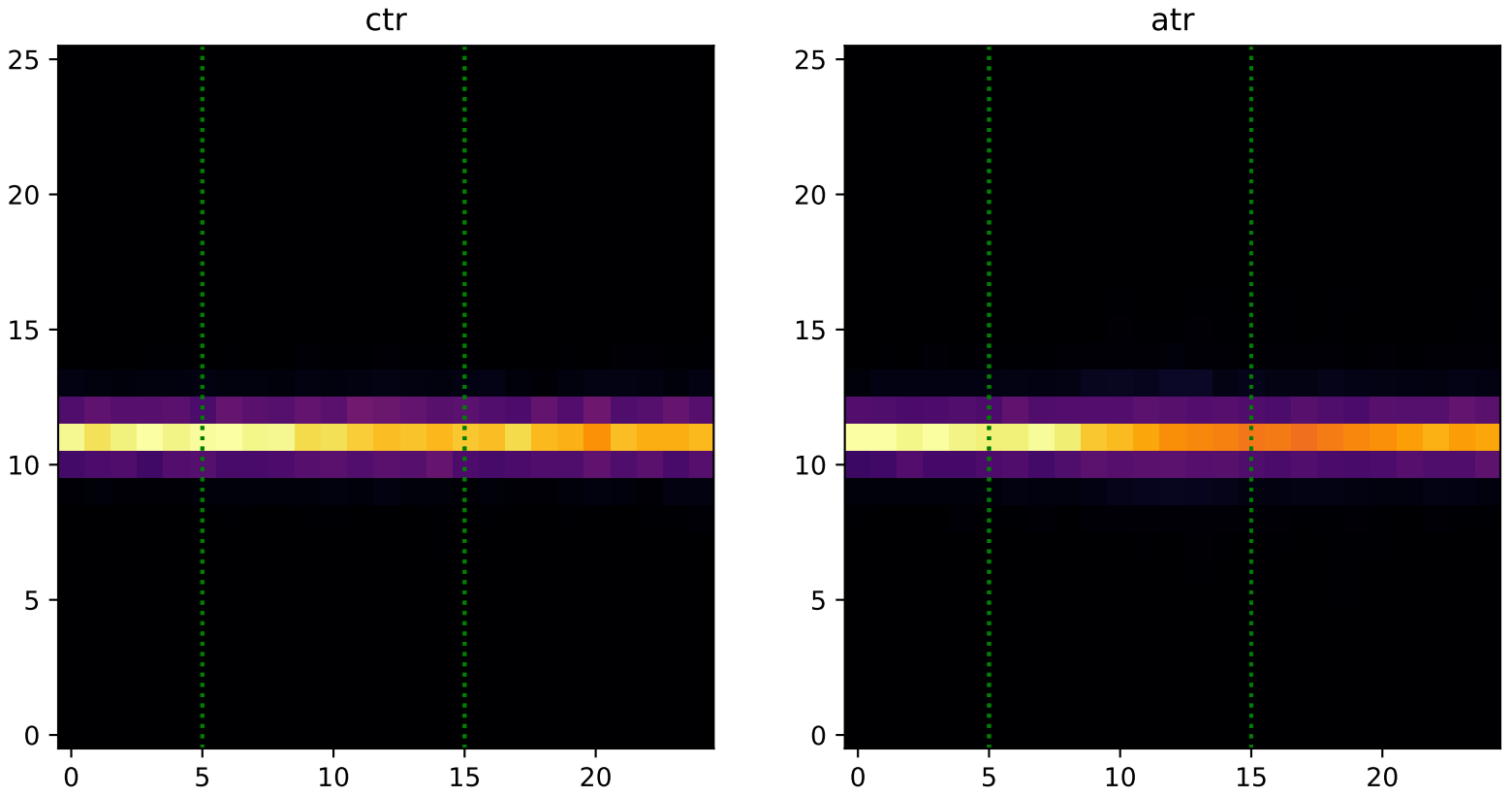

d_curvature_std_midbody | pval:0.17926565874730022
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

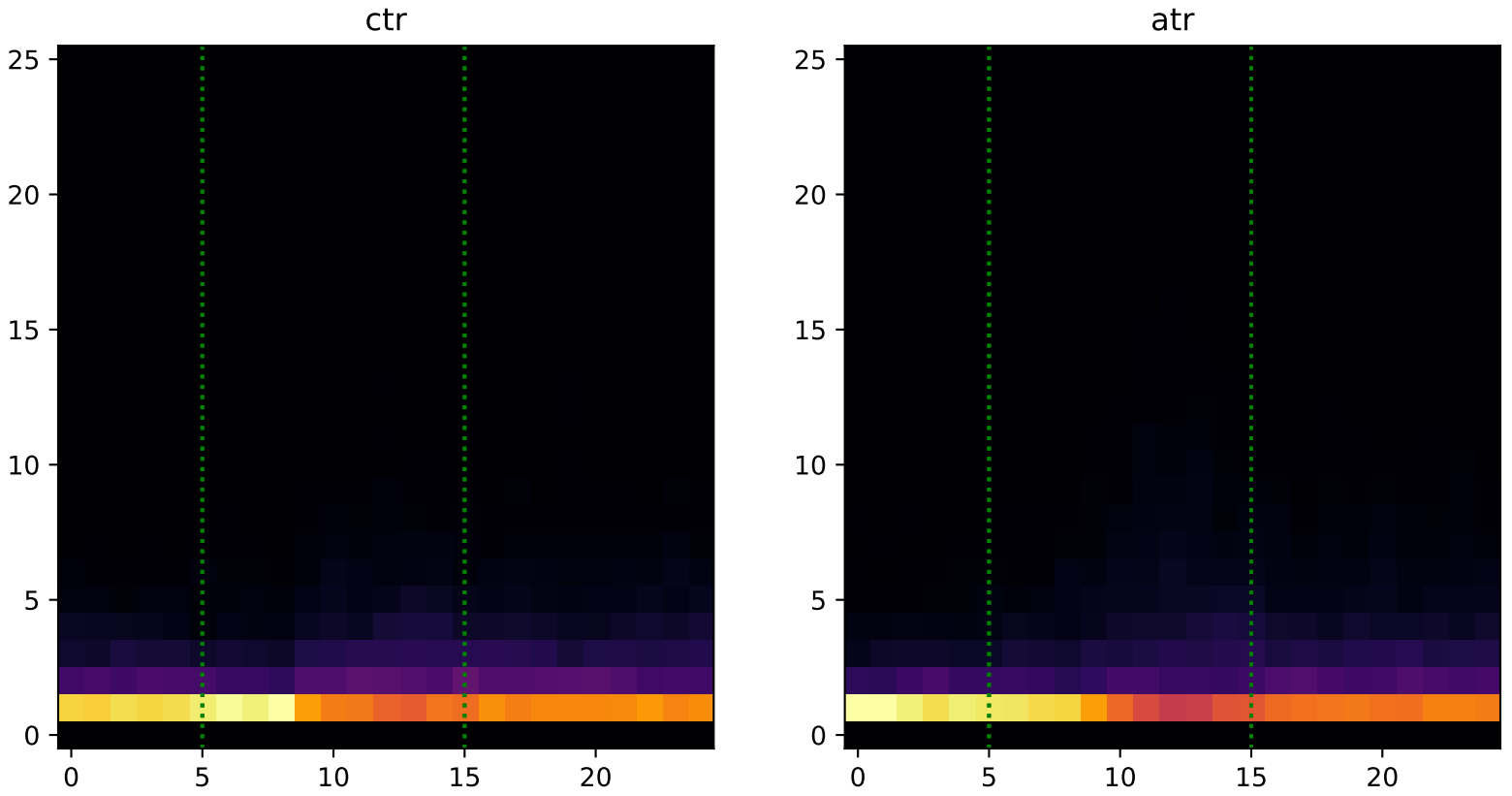

d_relative_to_body_radial_velocity_hips | pval:0.18142548596112312
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

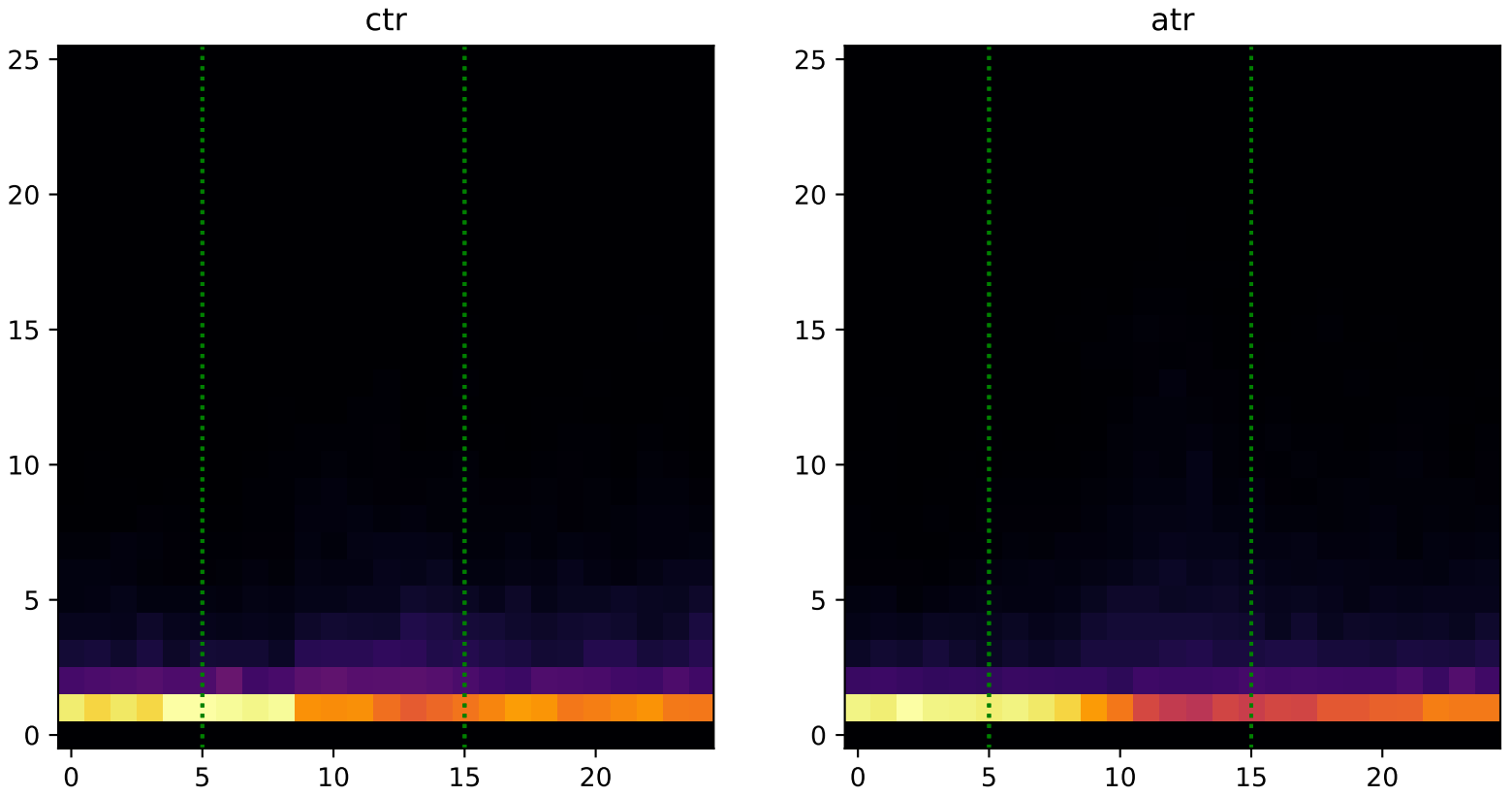

relative_to_hips_angular_velocity_tail_tip | pval:0.19438444924406048
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

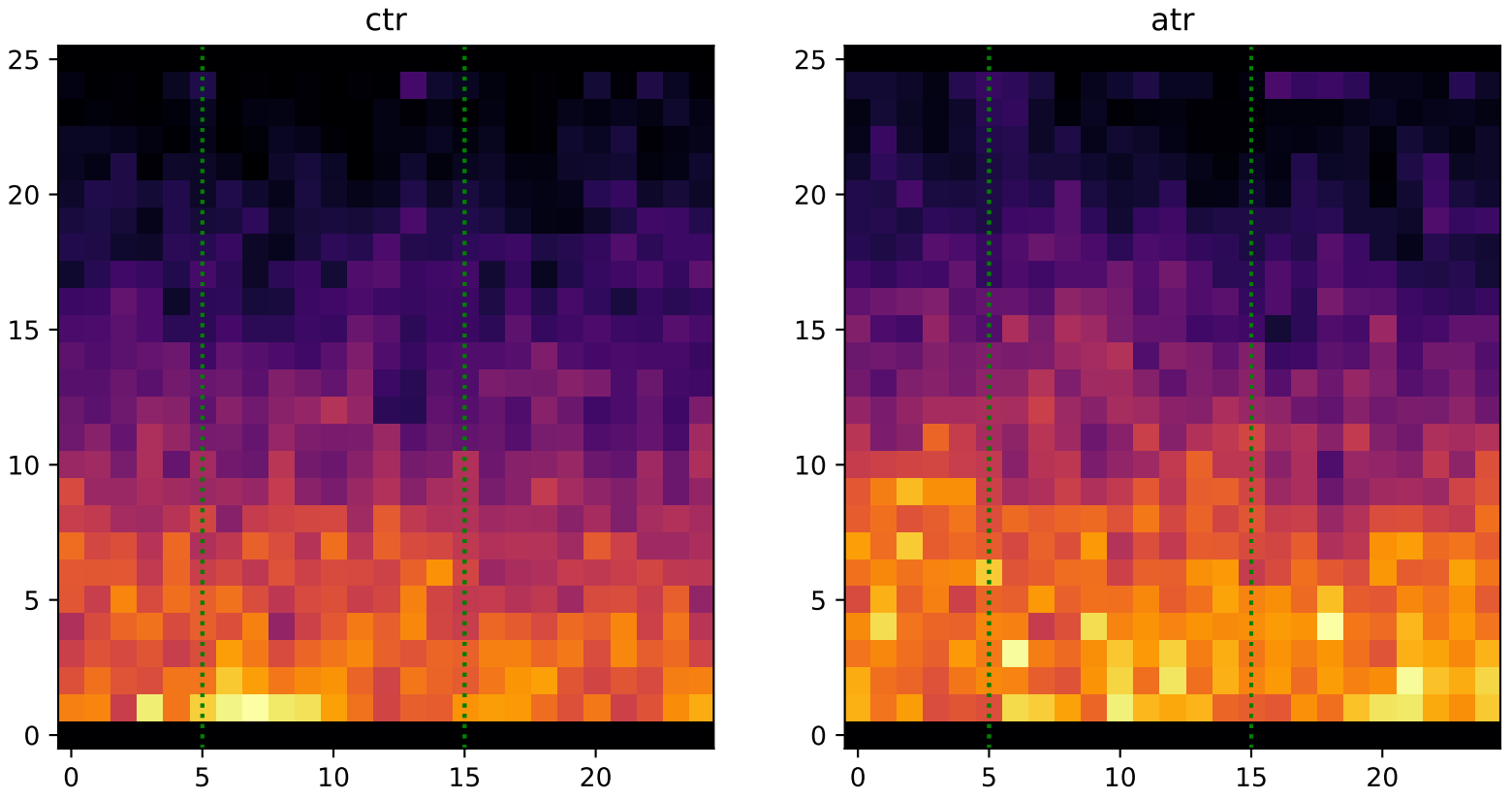

d_curvature_mean_neck | pval:0.19438444924406048
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

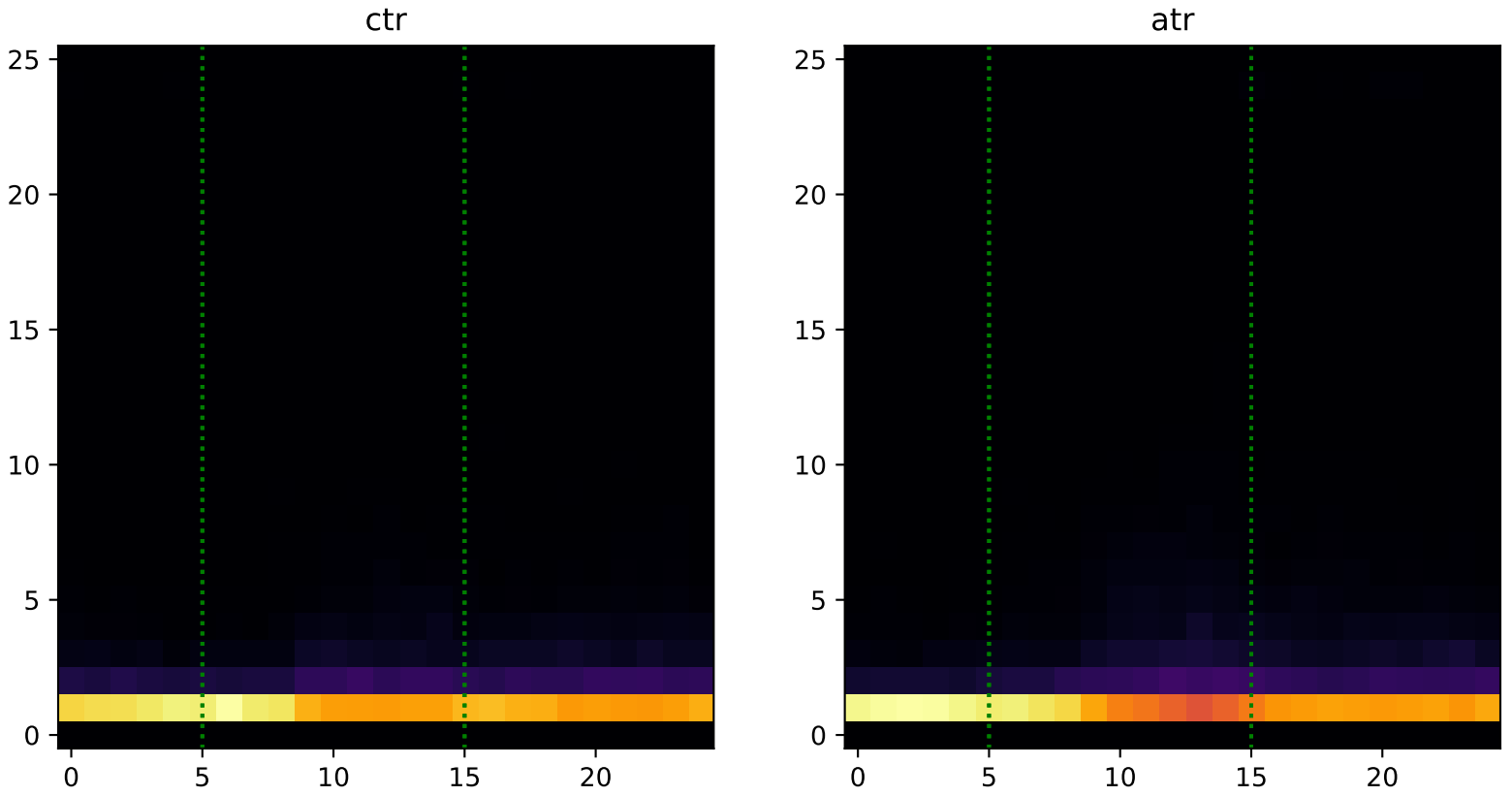

d_relative_to_hips_angular_velocity_tail_tip | pval:0.19654427645788336
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

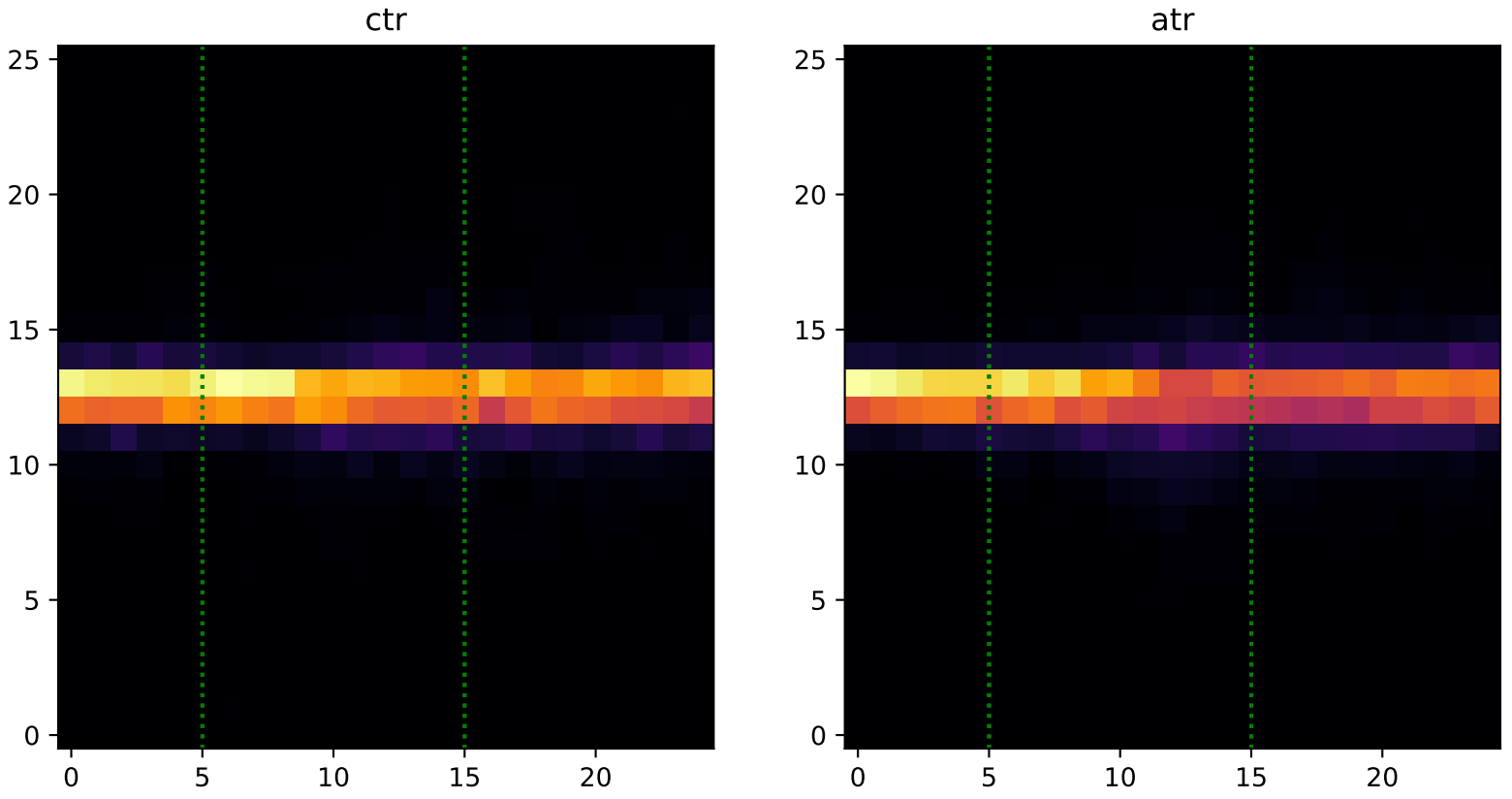

d_relative_to_tail_base_radial_velocity_tail_tip | pval:0.19654427645788336
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

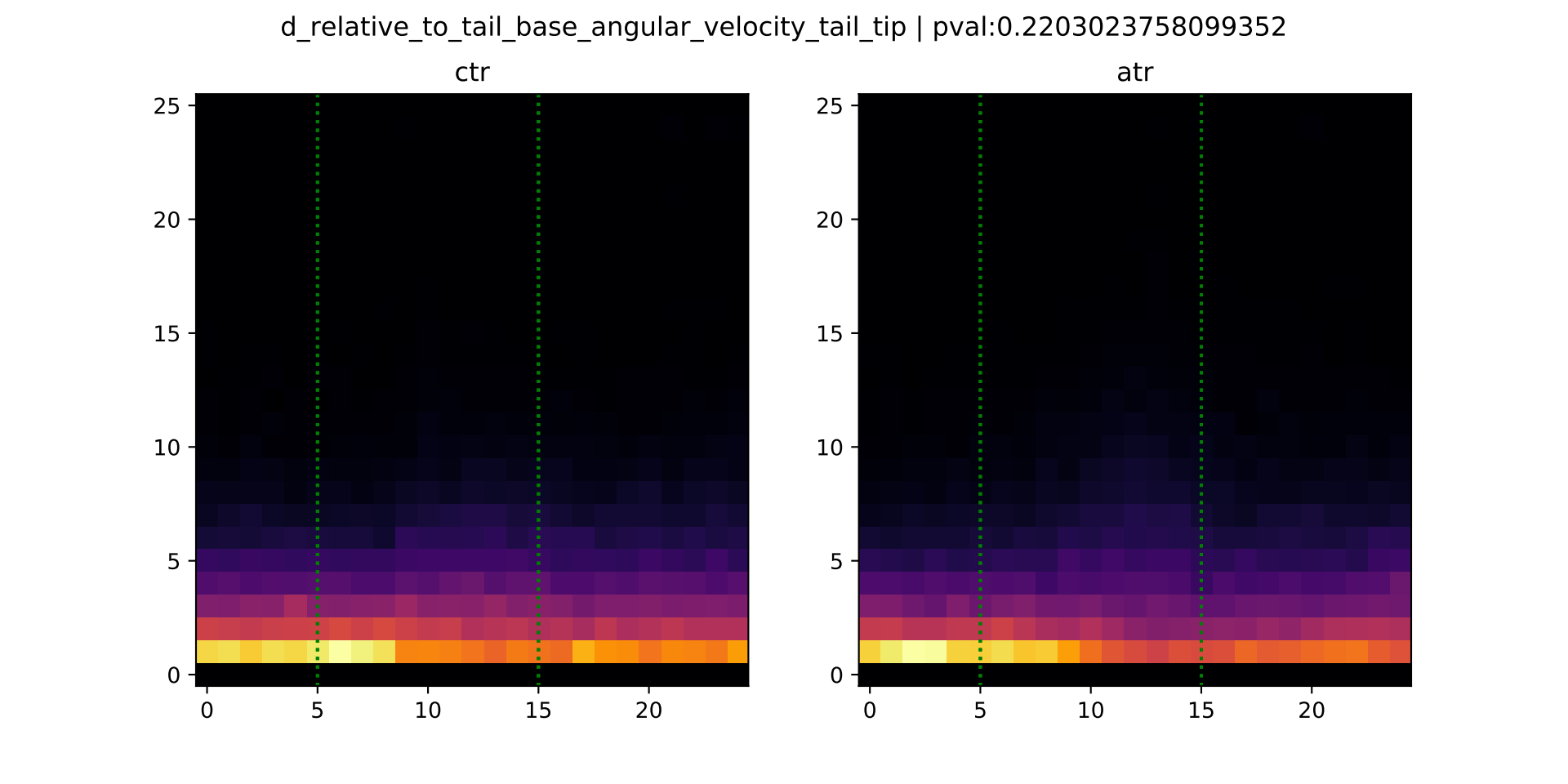

angular_velocity_hips | pval:0.20086393088552915
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

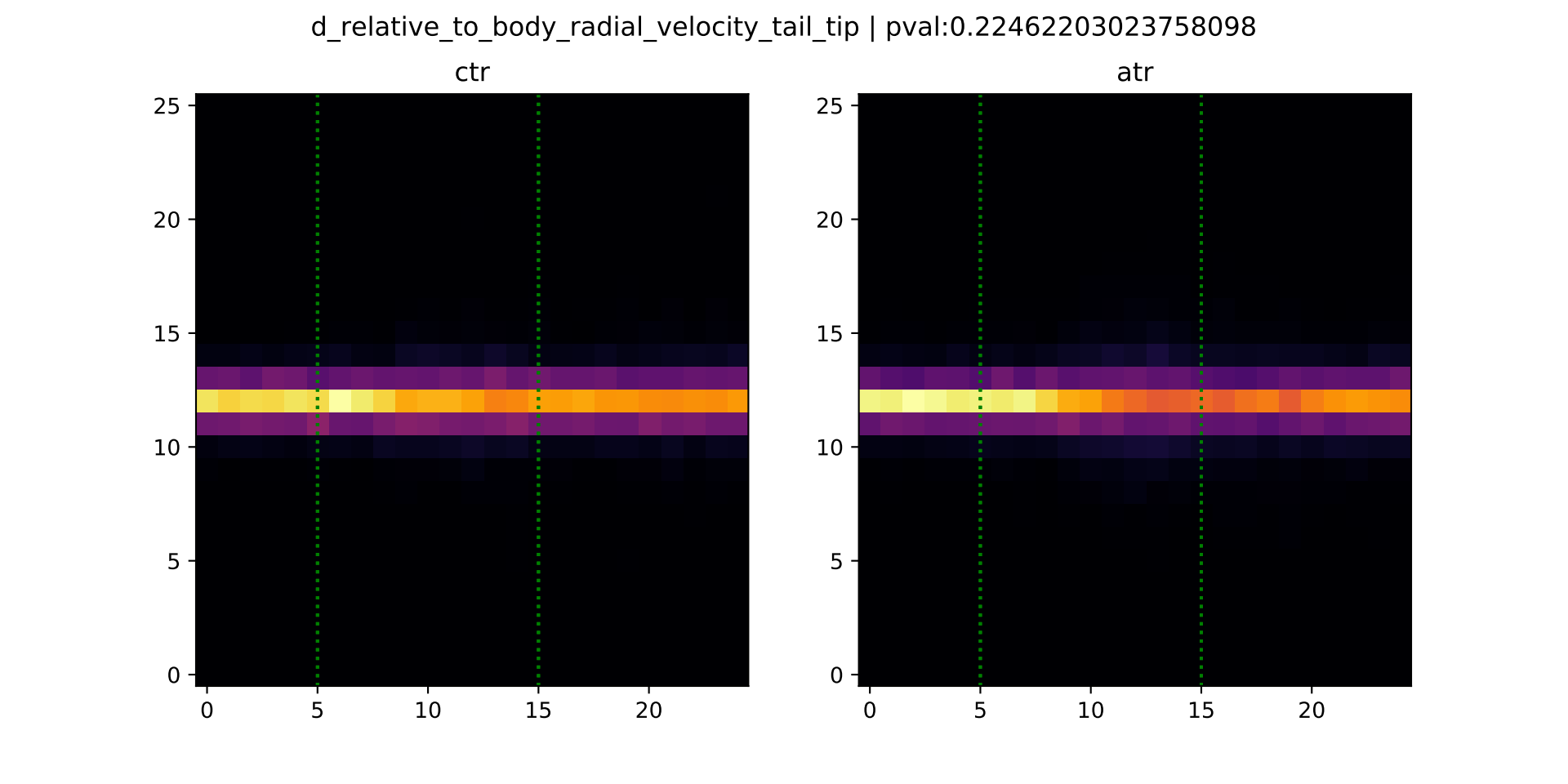

d_curvature_mean_midbody | pval:0.20302375809935205
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

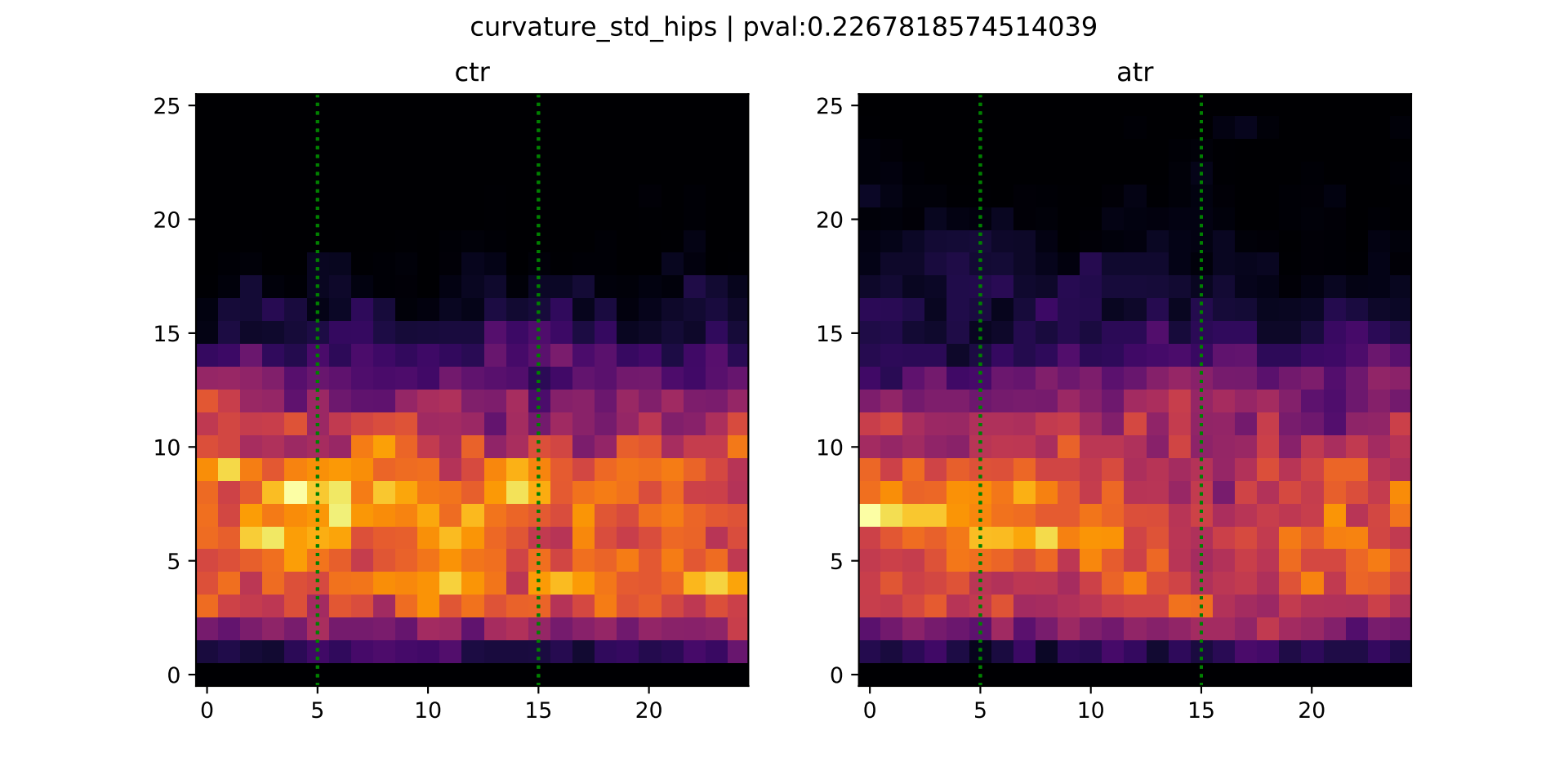

eigen_projection_5 | pval:0.21382289416846653
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

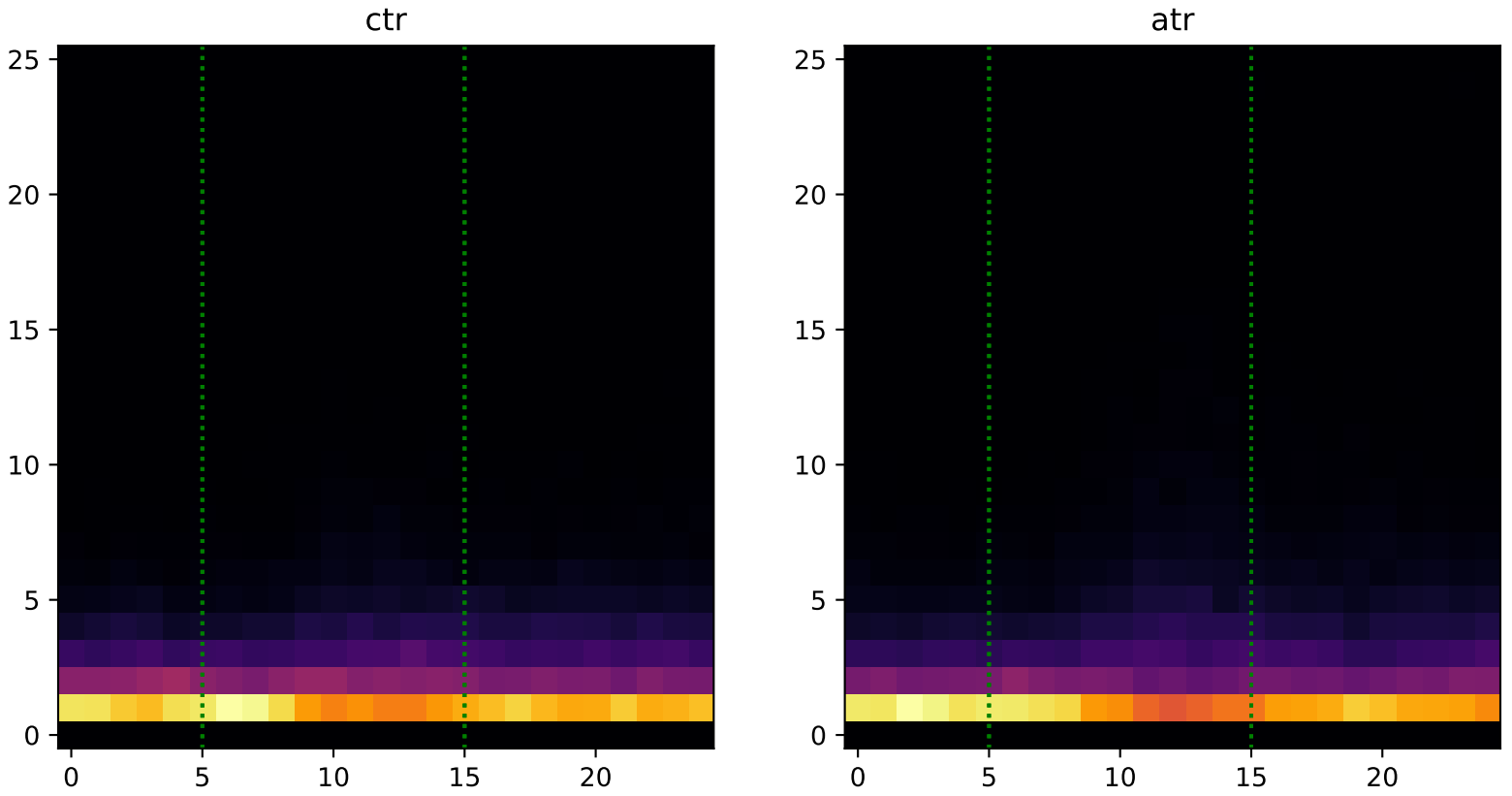

d_angular_velocity_midbody | pval:0.2159827213822894
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

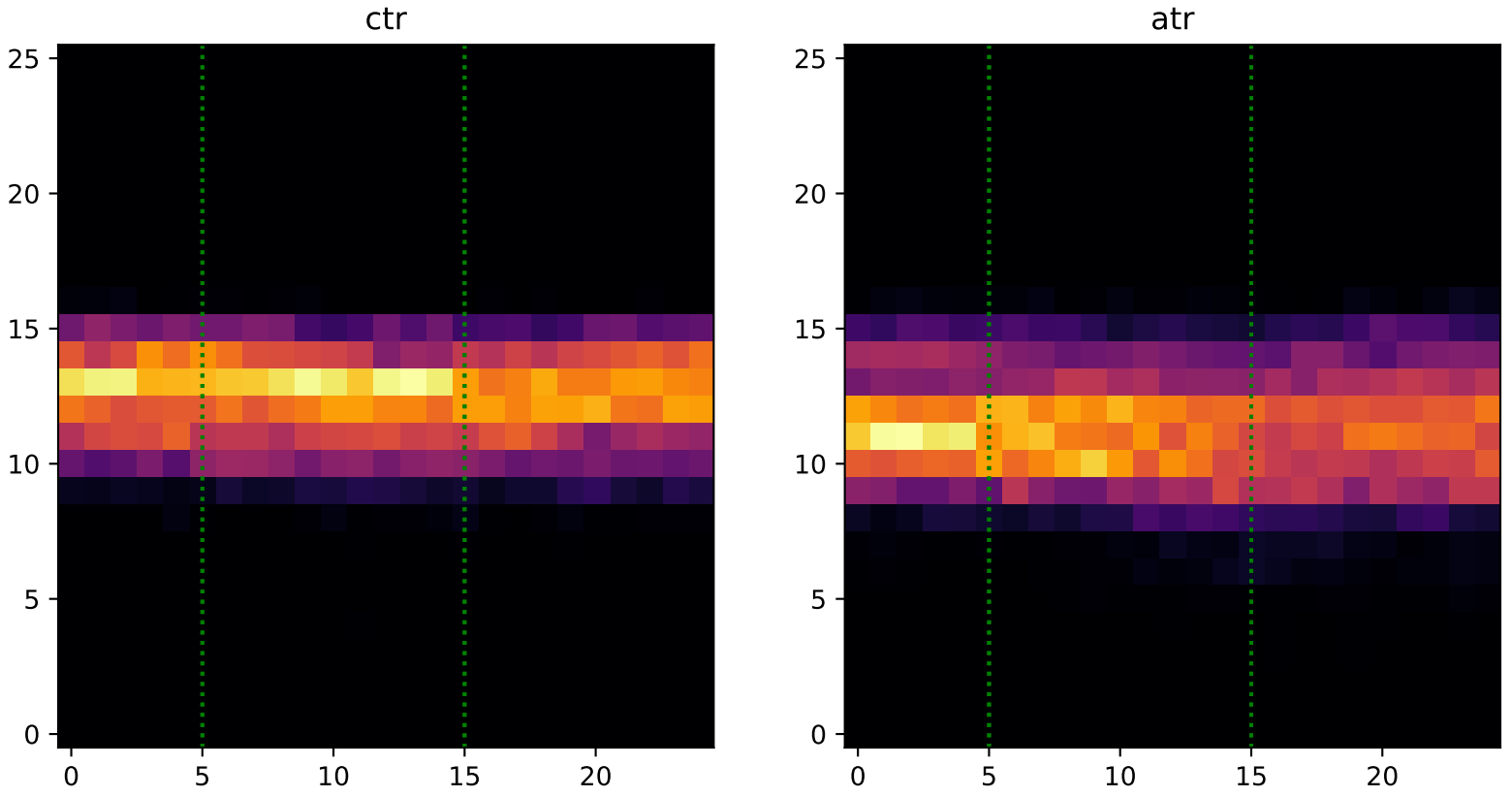

relative_to_body_radial_velocity_hips | pval:0.2203023758099352
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

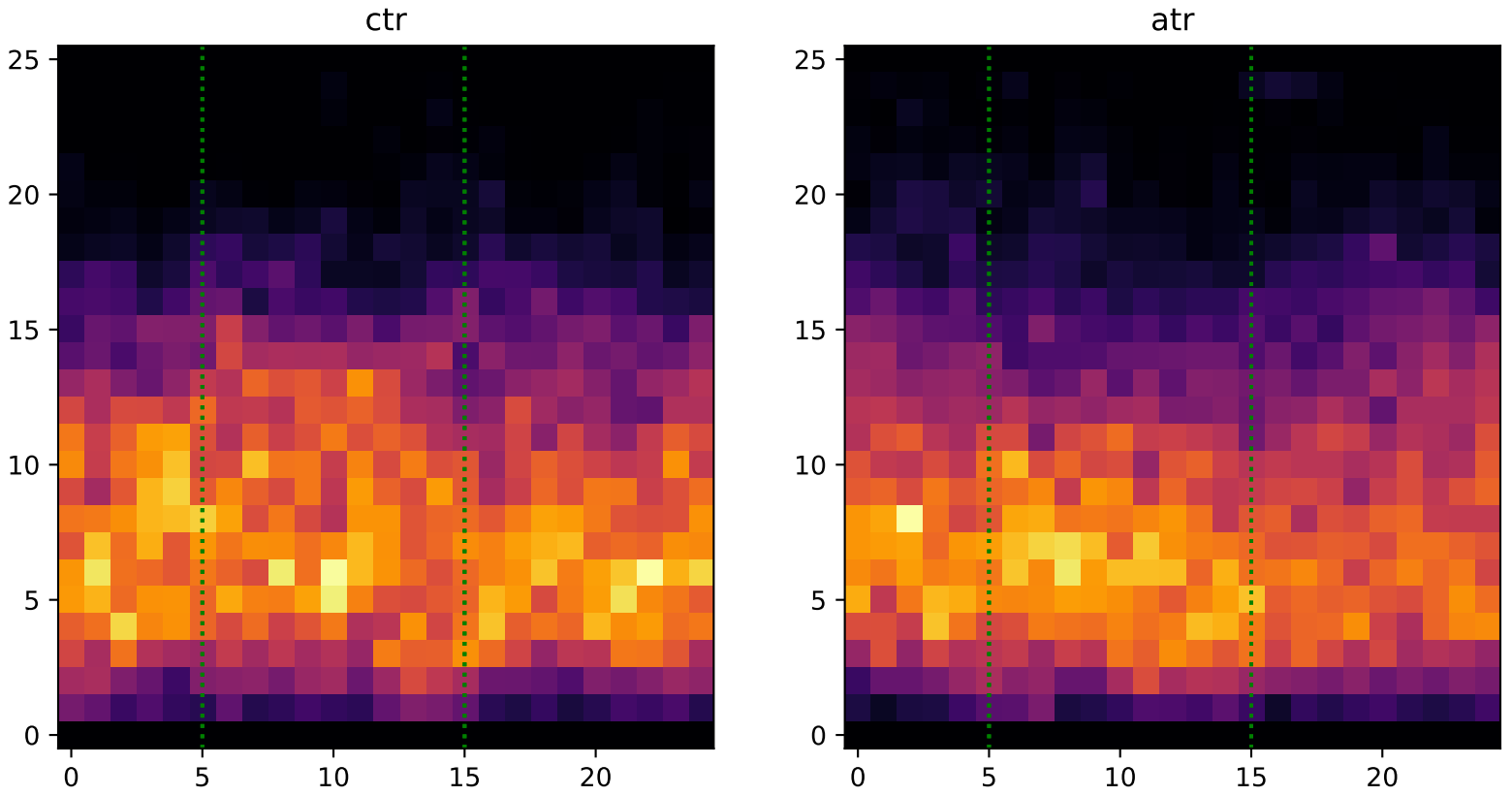

d_relative_to_tail_base_angular_velocity_tail_tip | pval:0.2203023758099352
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

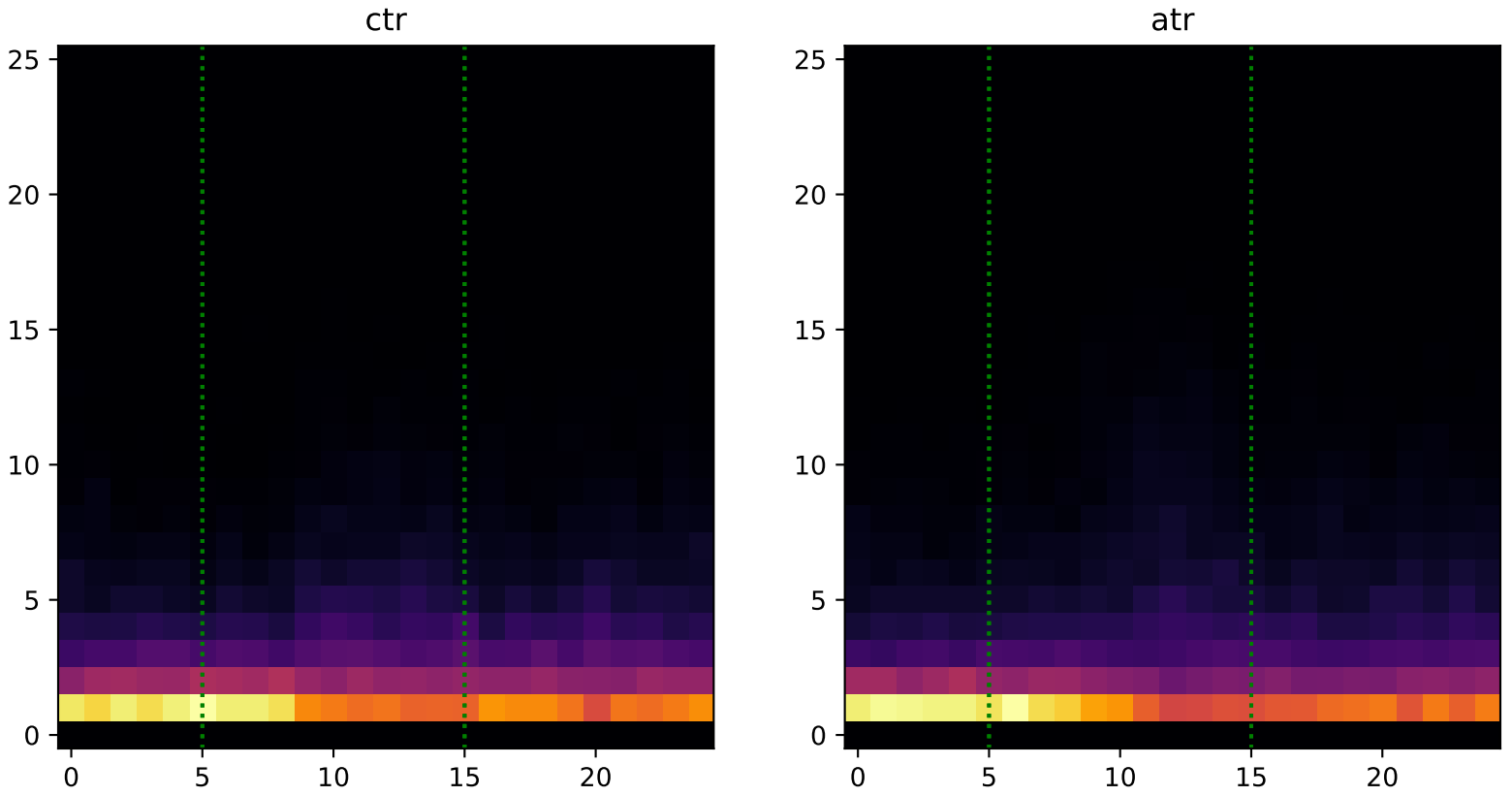

d_relative_to_body_radial_velocity_tail_tip | pval:0.22462203023758098
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

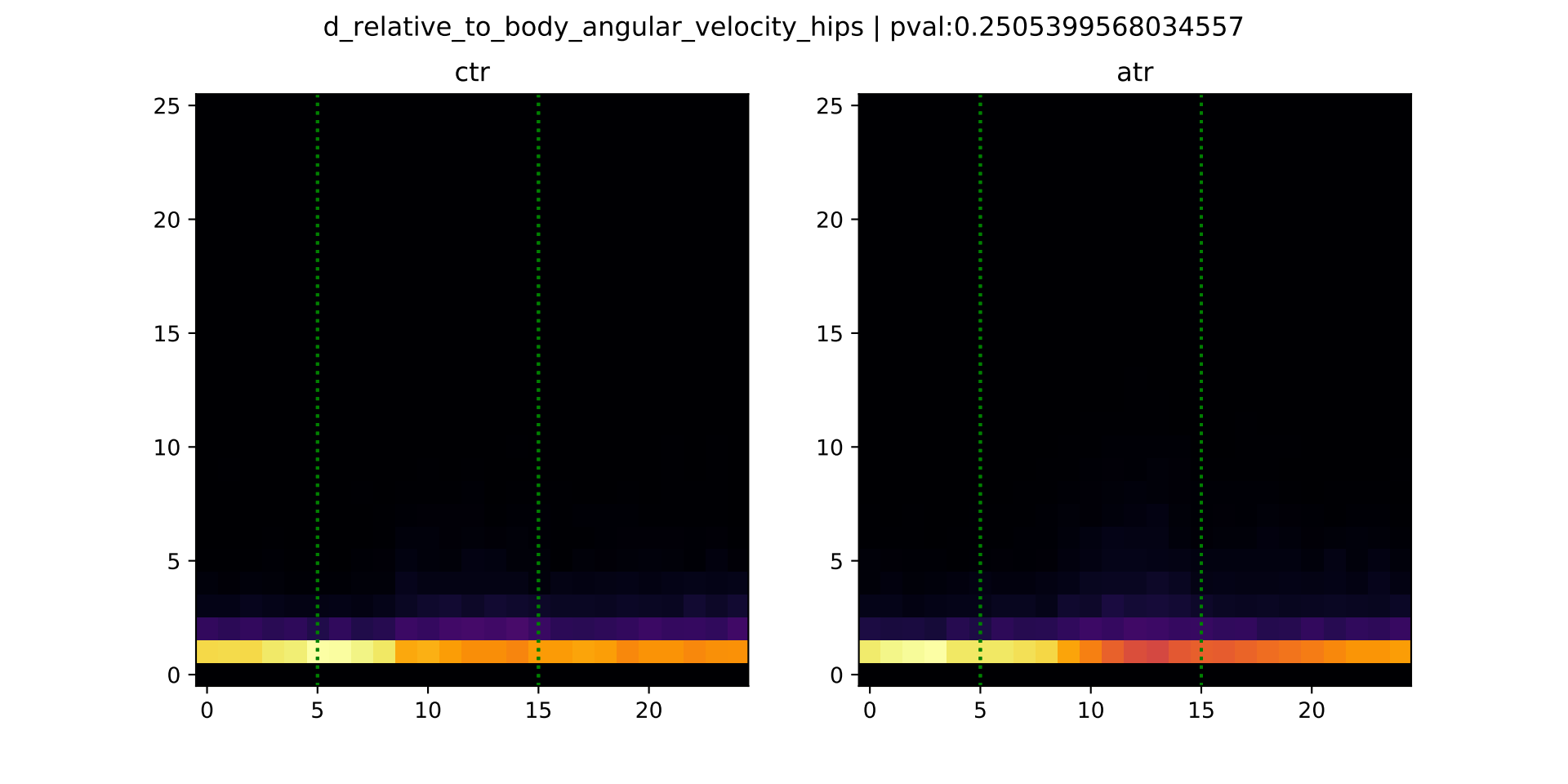

curvature_std_hips | pval:0.2267818574514039
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

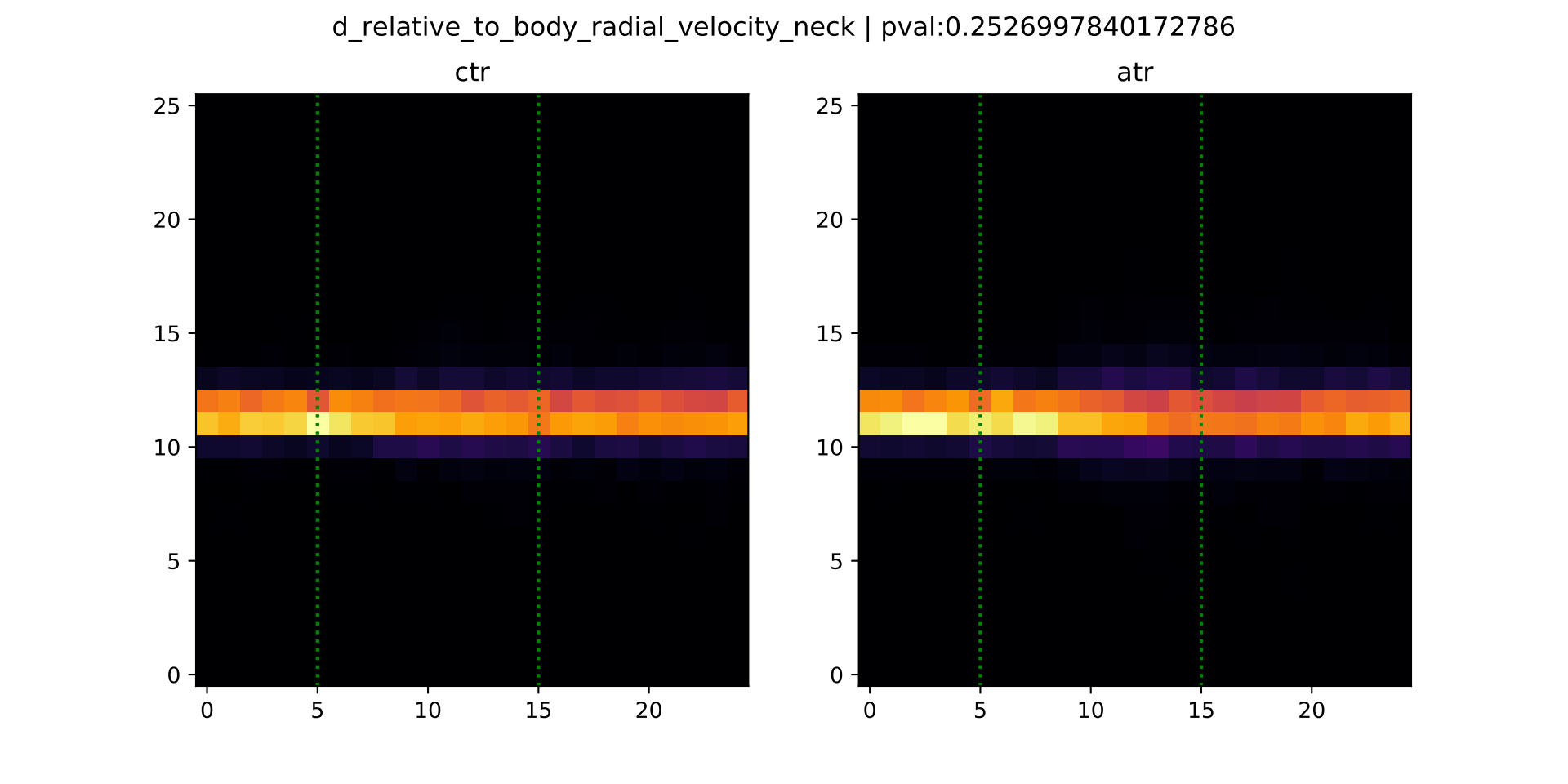

d_angular_velocity_tail_base | pval:0.23758099352051837
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

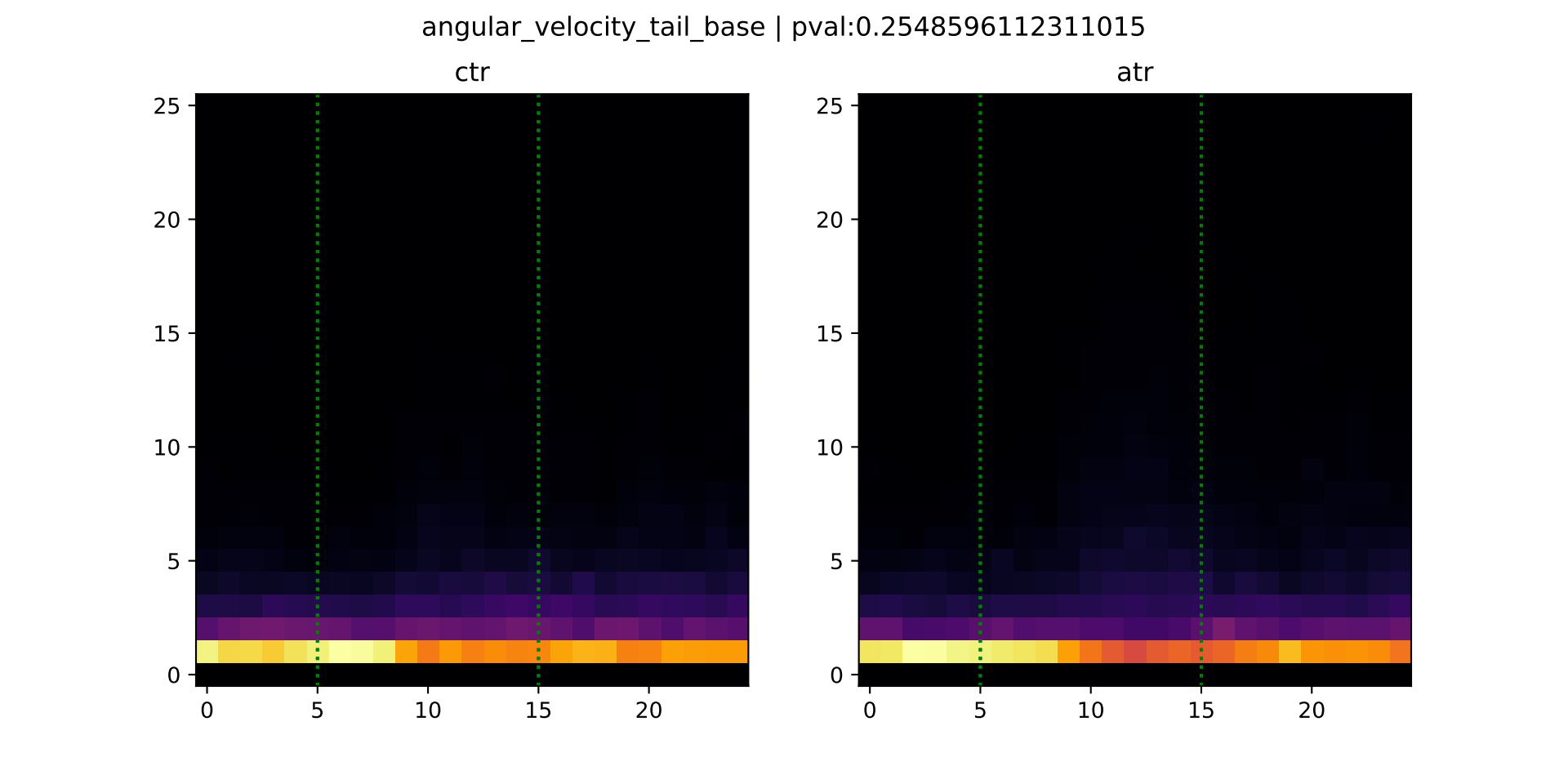

length | pval:0.24190064794816415
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

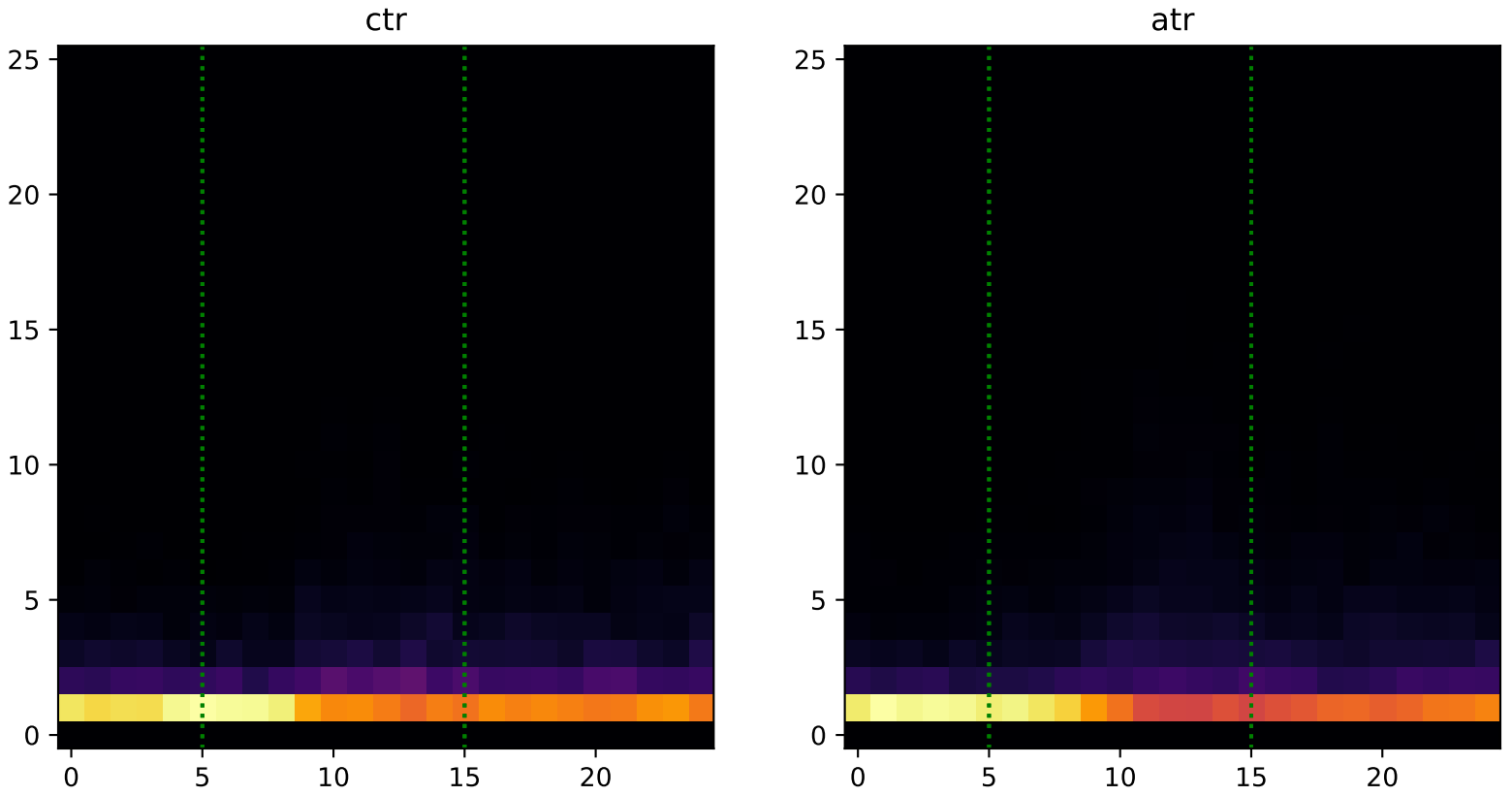

curvature_std_neck | pval:0.24190064794816415
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

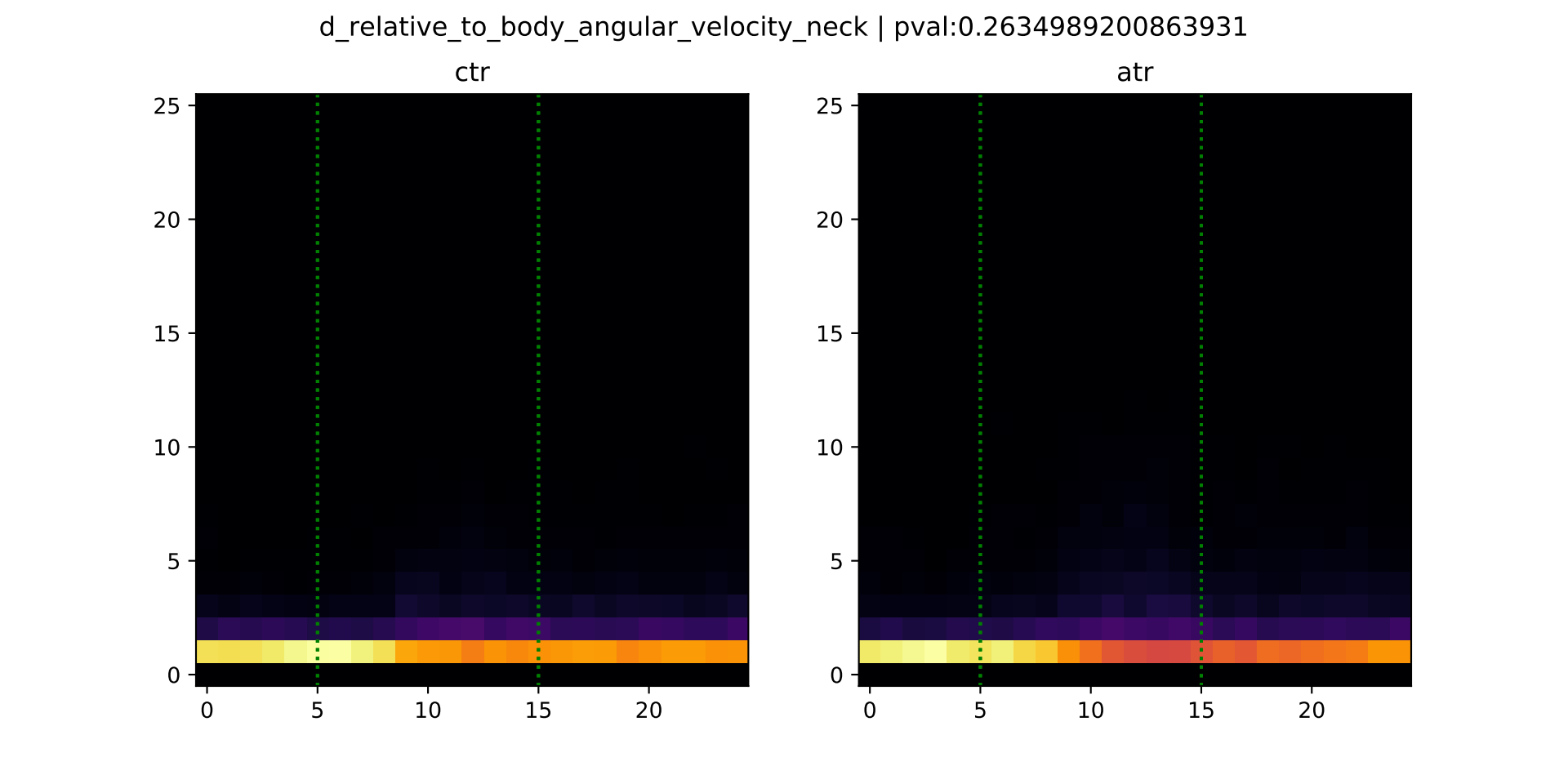

d_curvature_neck | pval:0.24622030237580994
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

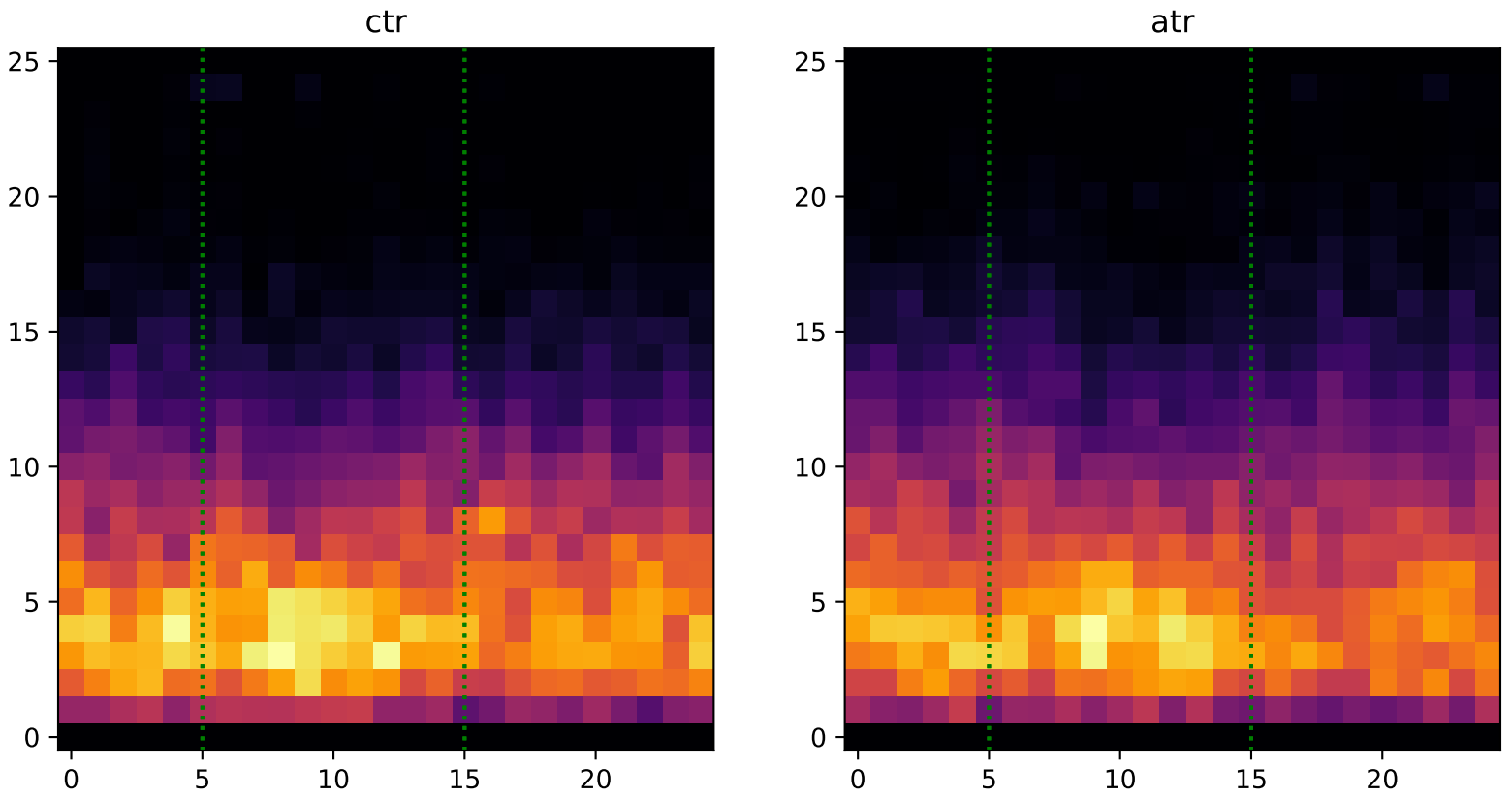

d_relative_to_body_angular_velocity_hips | pval:0.2505399568034557
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

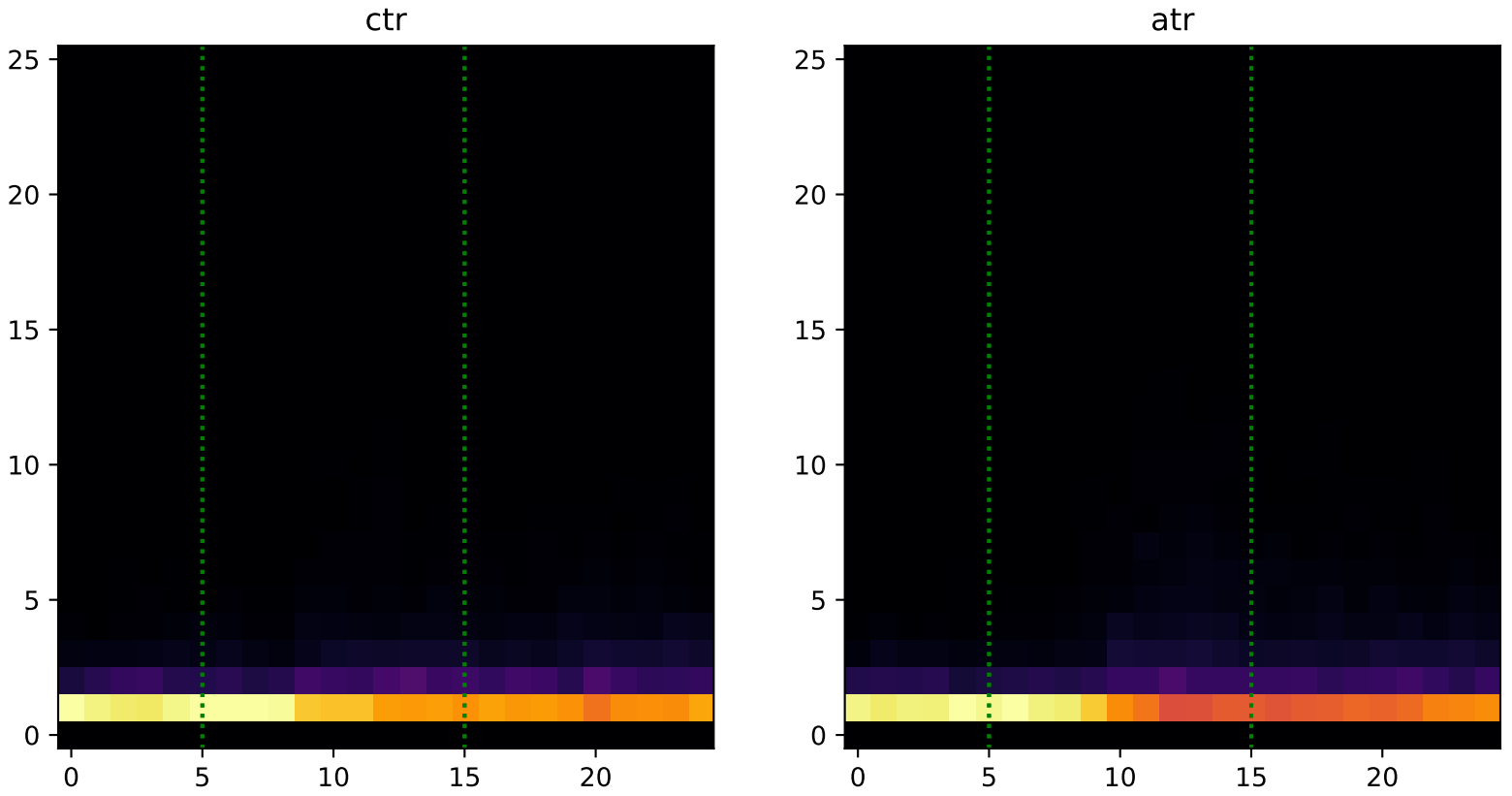

d_relative_to_body_radial_velocity_neck | pval:0.2526997840172786
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

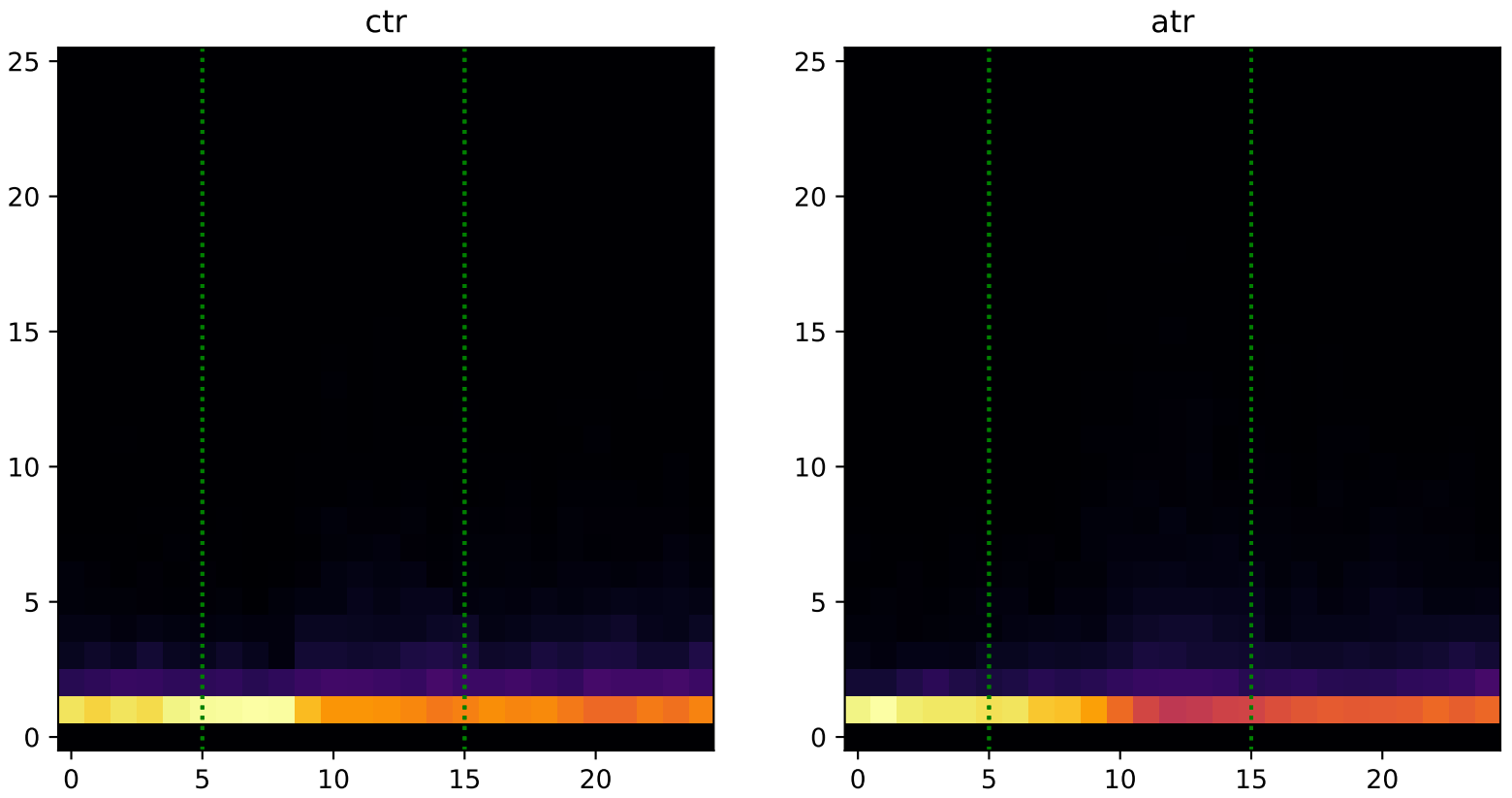

angular_velocity_tail_base | pval:0.2548596112311015
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

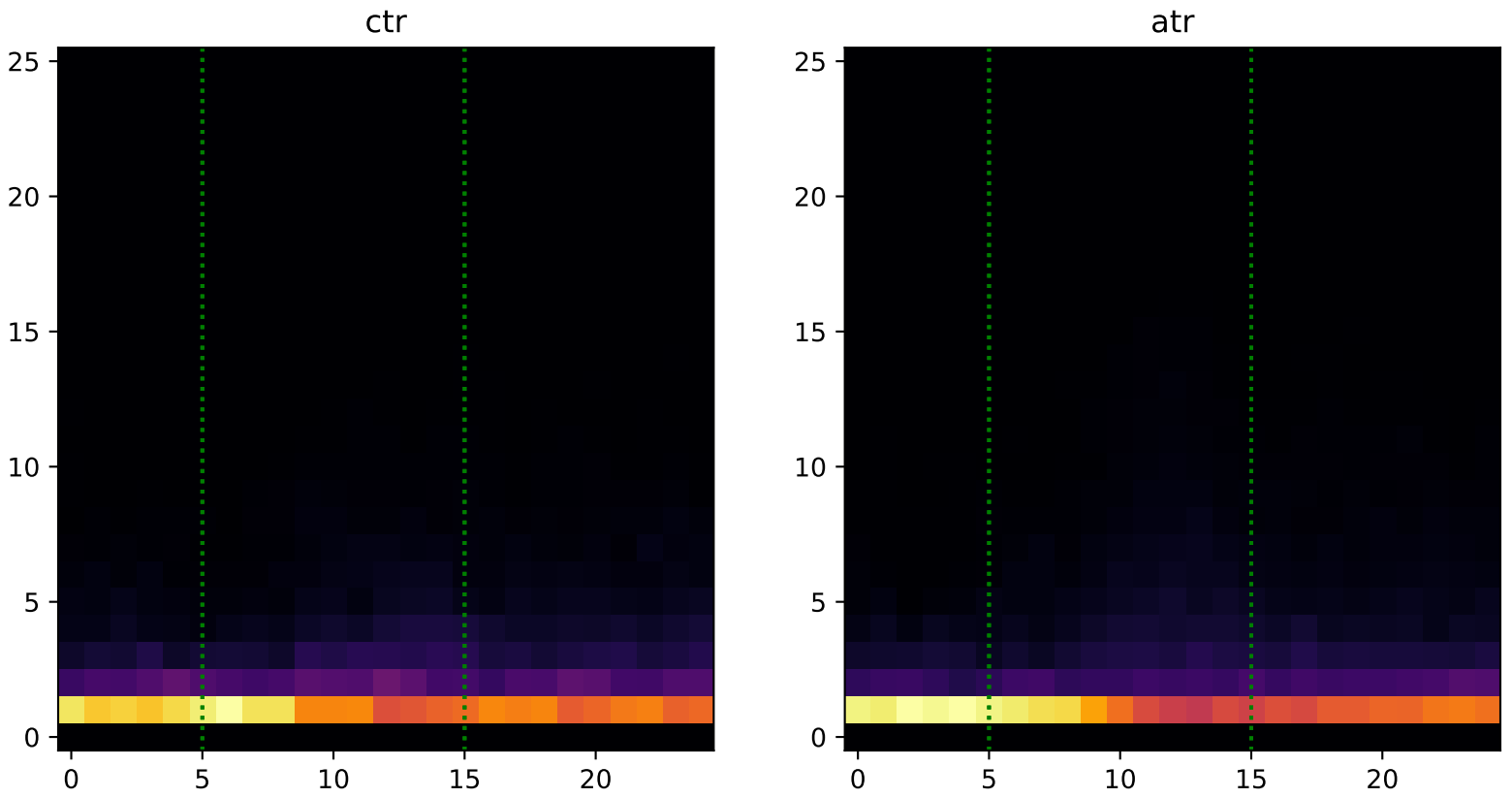

relative_to_body_angular_velocity_neck | pval:0.2613390928725702
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

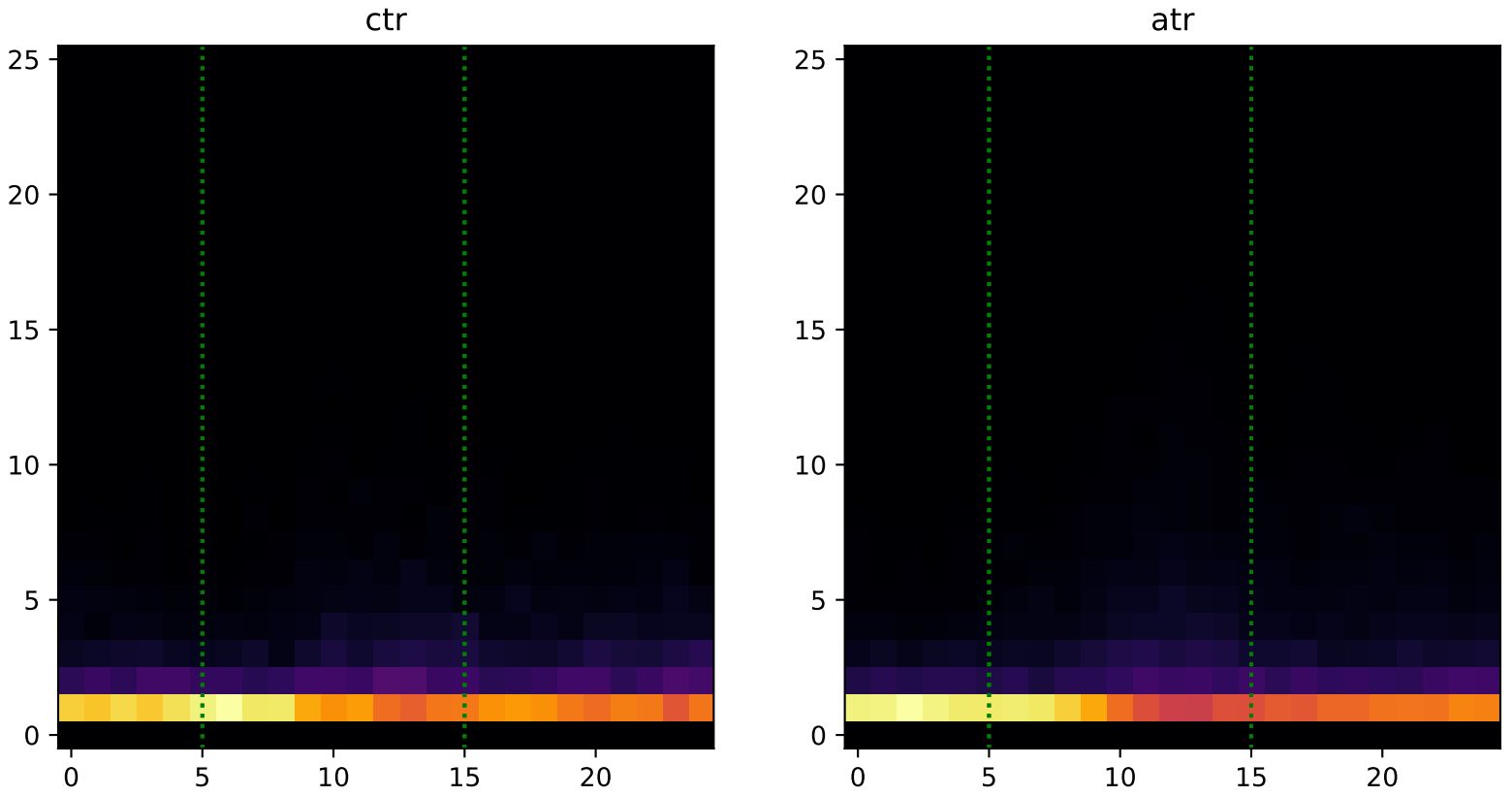

d_relative_to_body_angular_velocity_neck | pval:0.2634989200863931
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

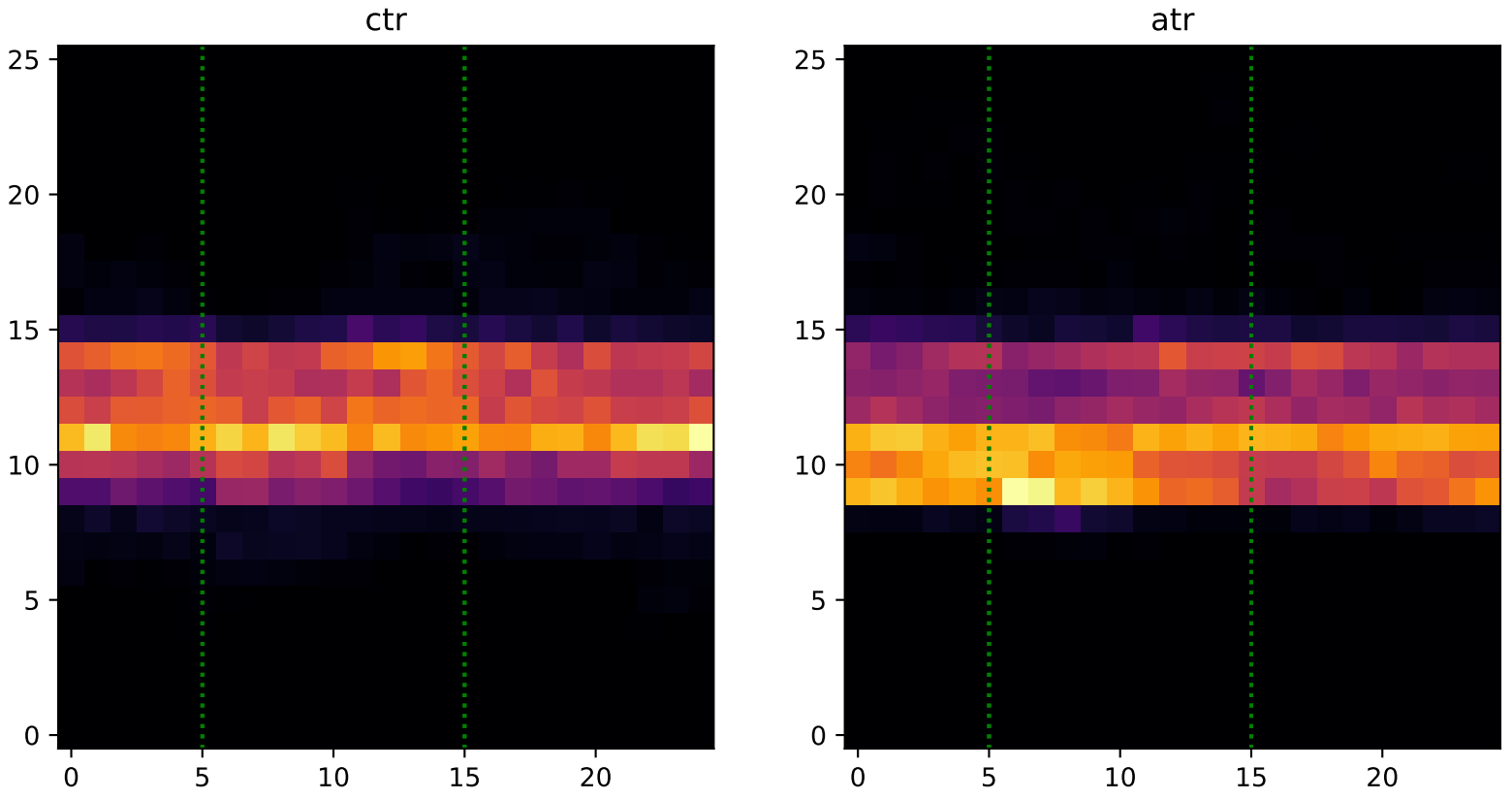

curvature_std_head | pval:0.28077753779697623
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

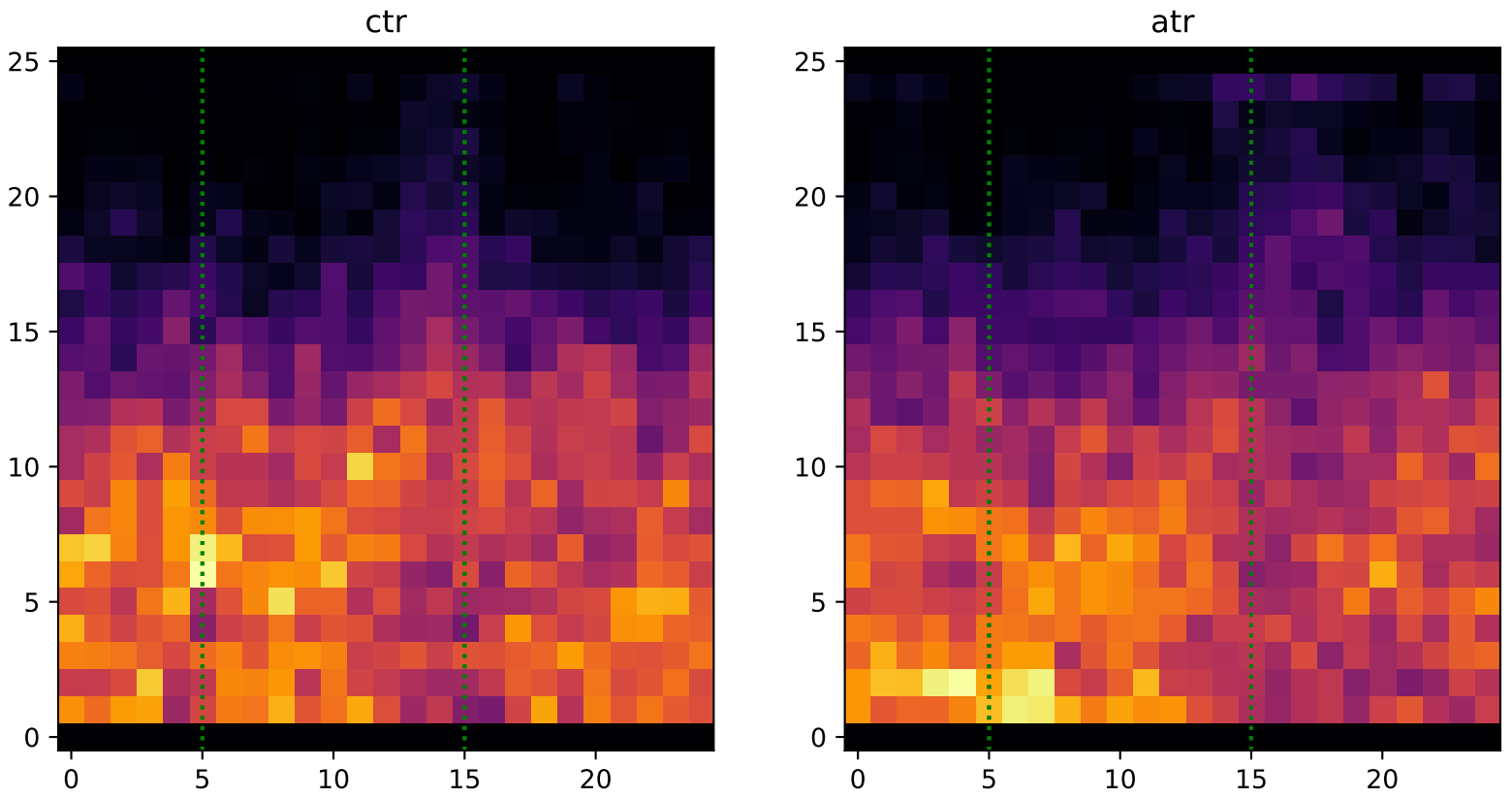

relative_to_body_angular_velocity_tail_tip | pval:0.28293736501079914
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

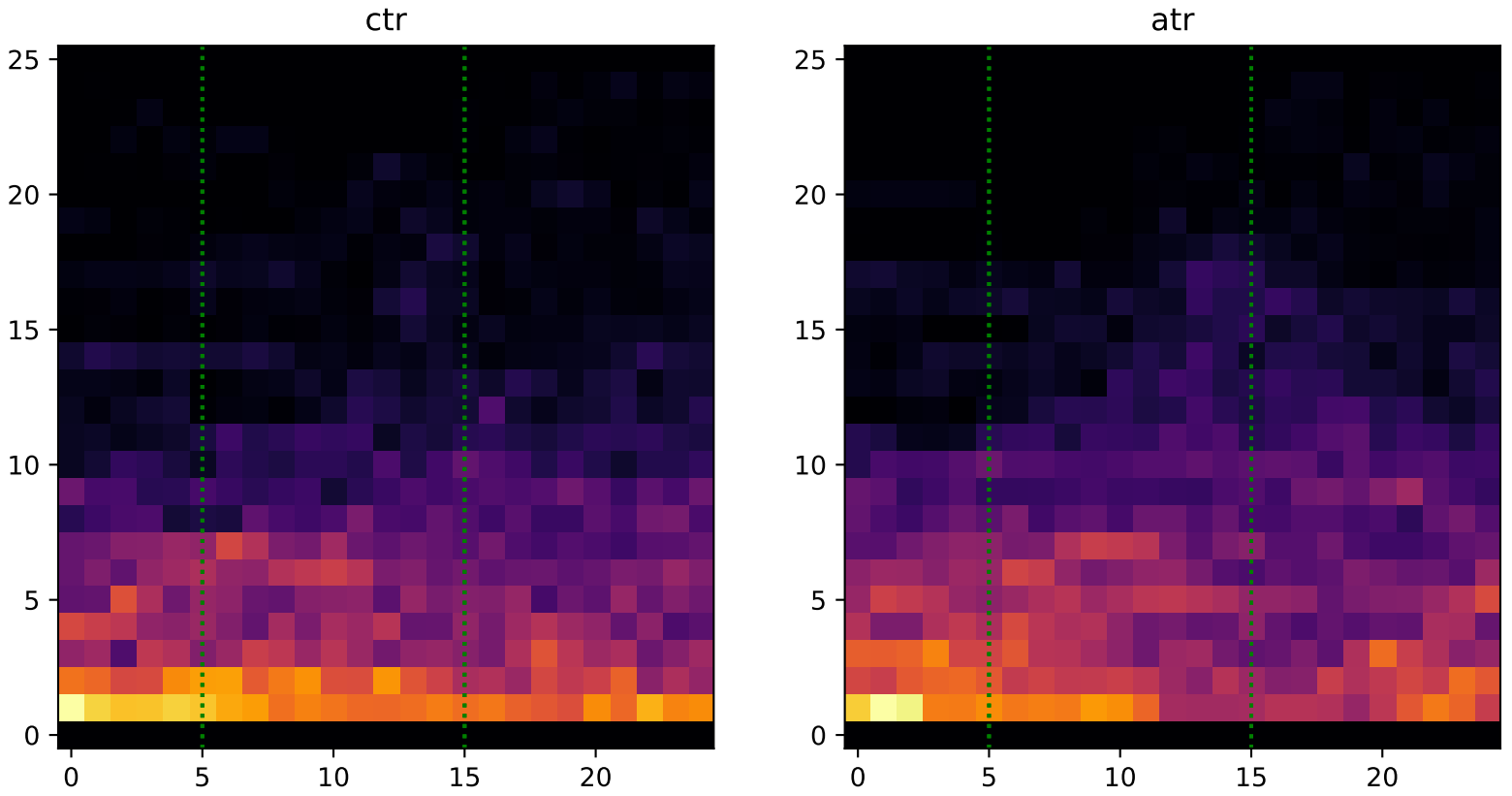

d_eigen_projection_2 | pval:0.28509719222462204
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

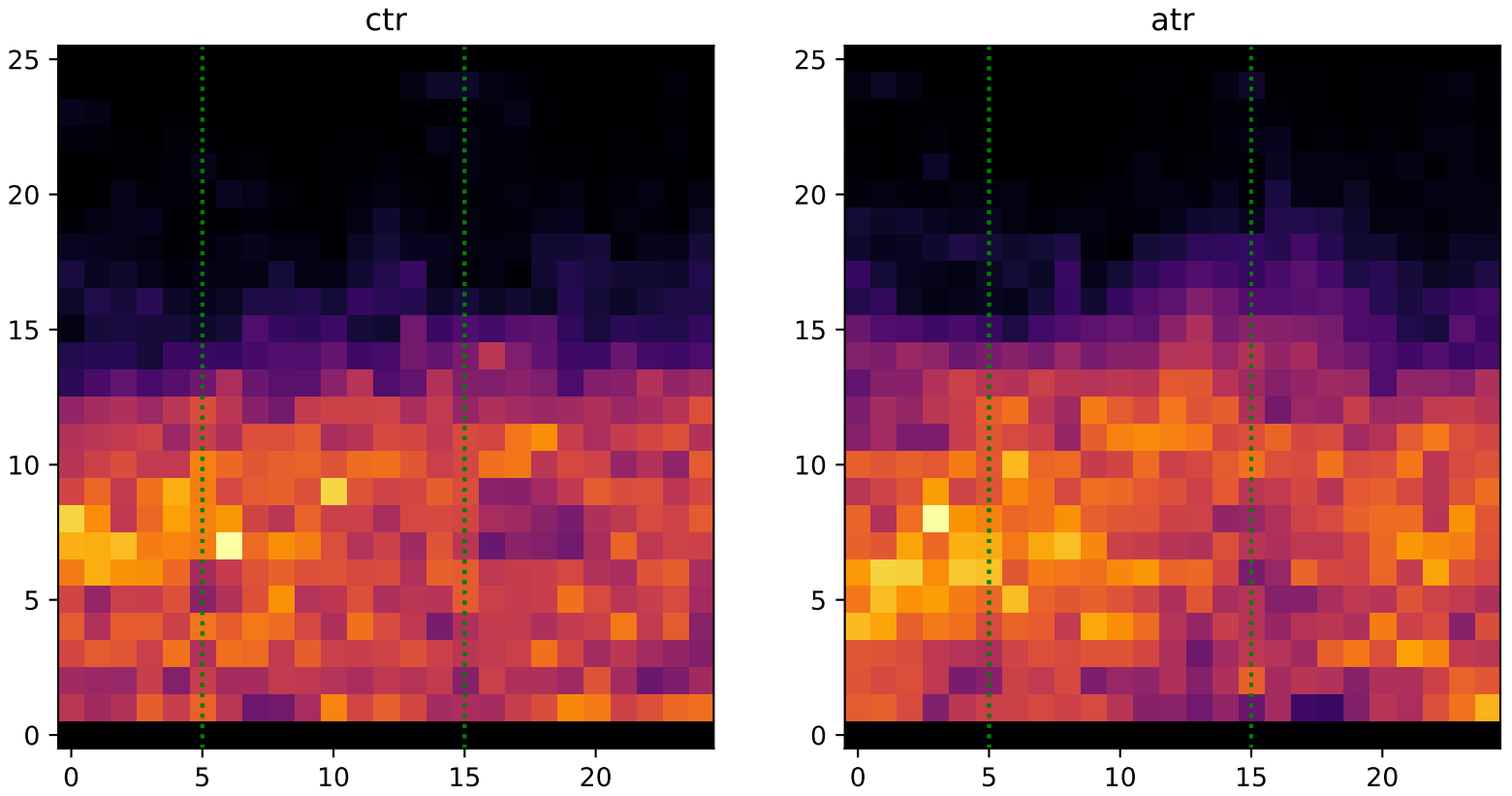

d_eigen_projection_3 | pval:0.30885529157667385
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

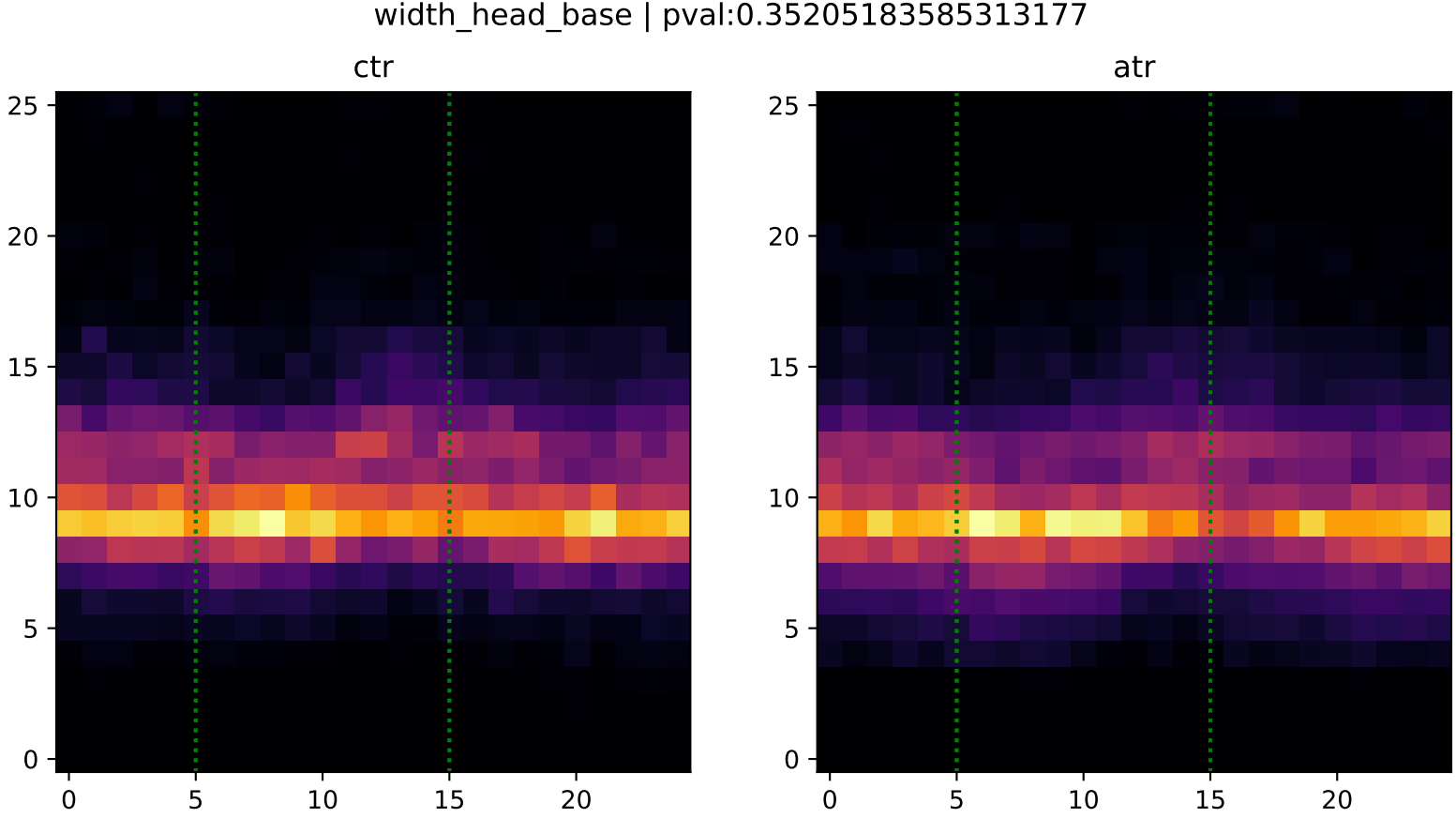

relative_to_body_angular_velocity_hips | pval:0.32181425485961124
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

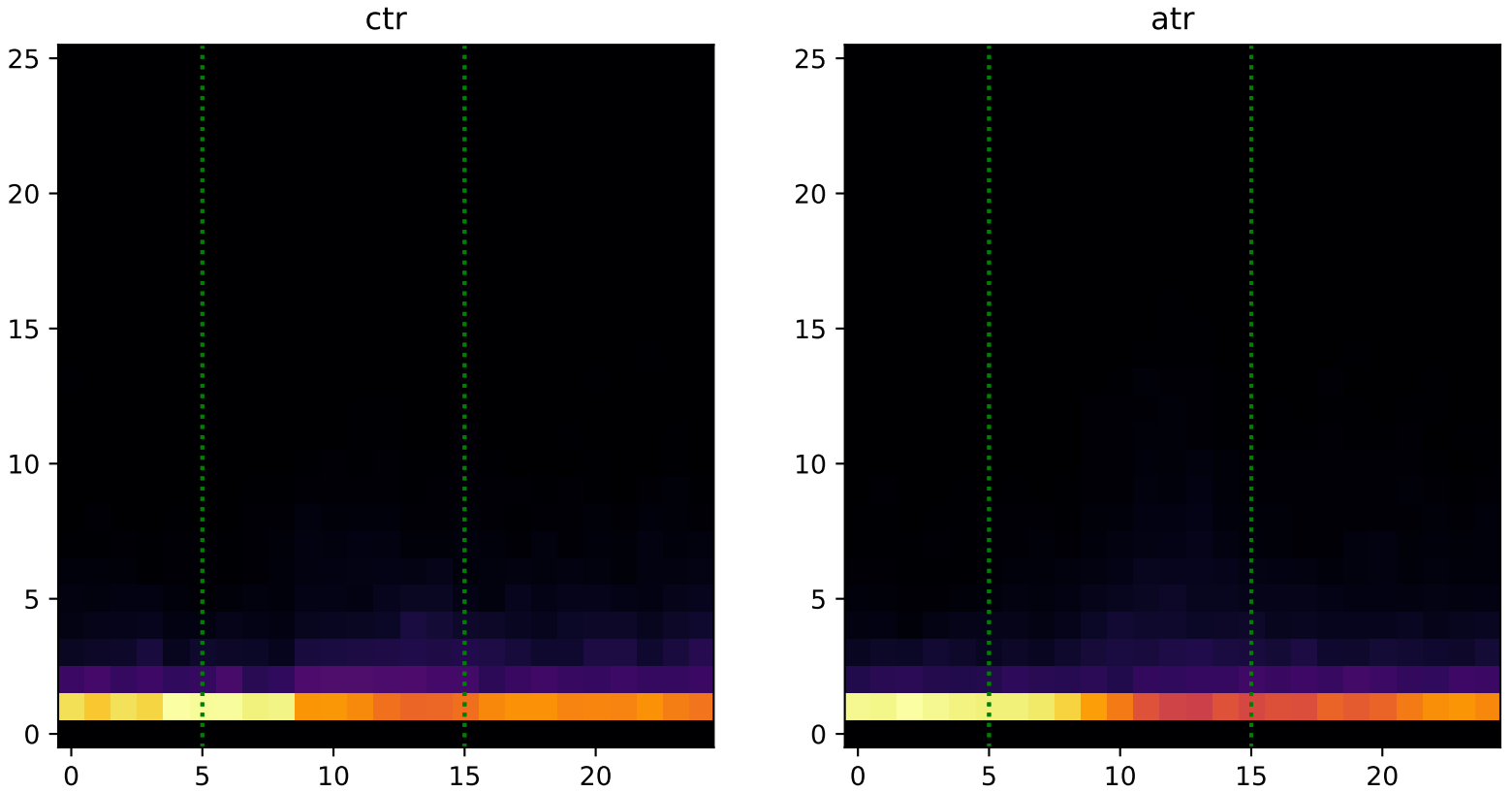

width_midbody | pval:0.32397408207343414
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

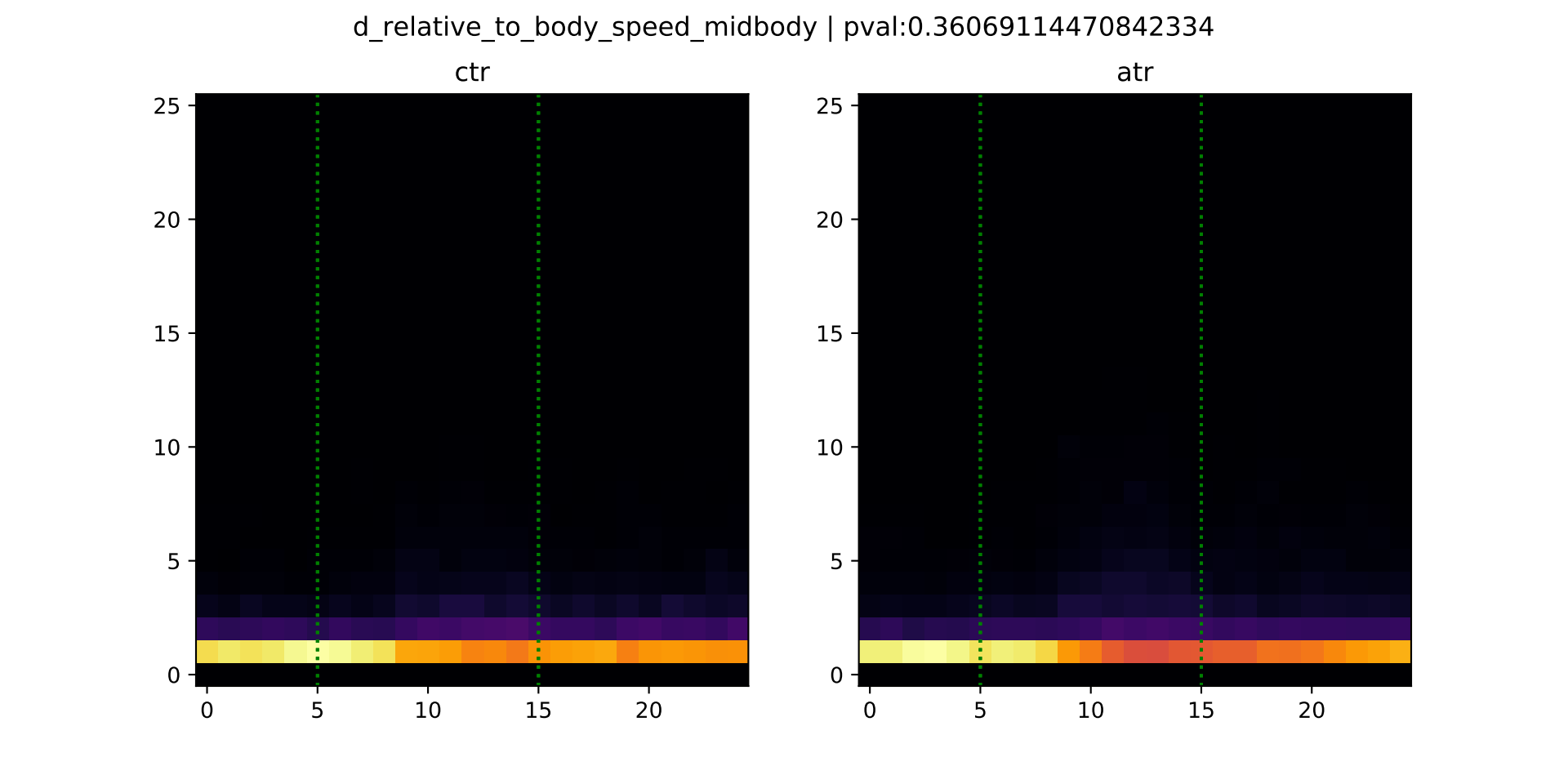

curvature_mean_head | pval:0.3326133909287257
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

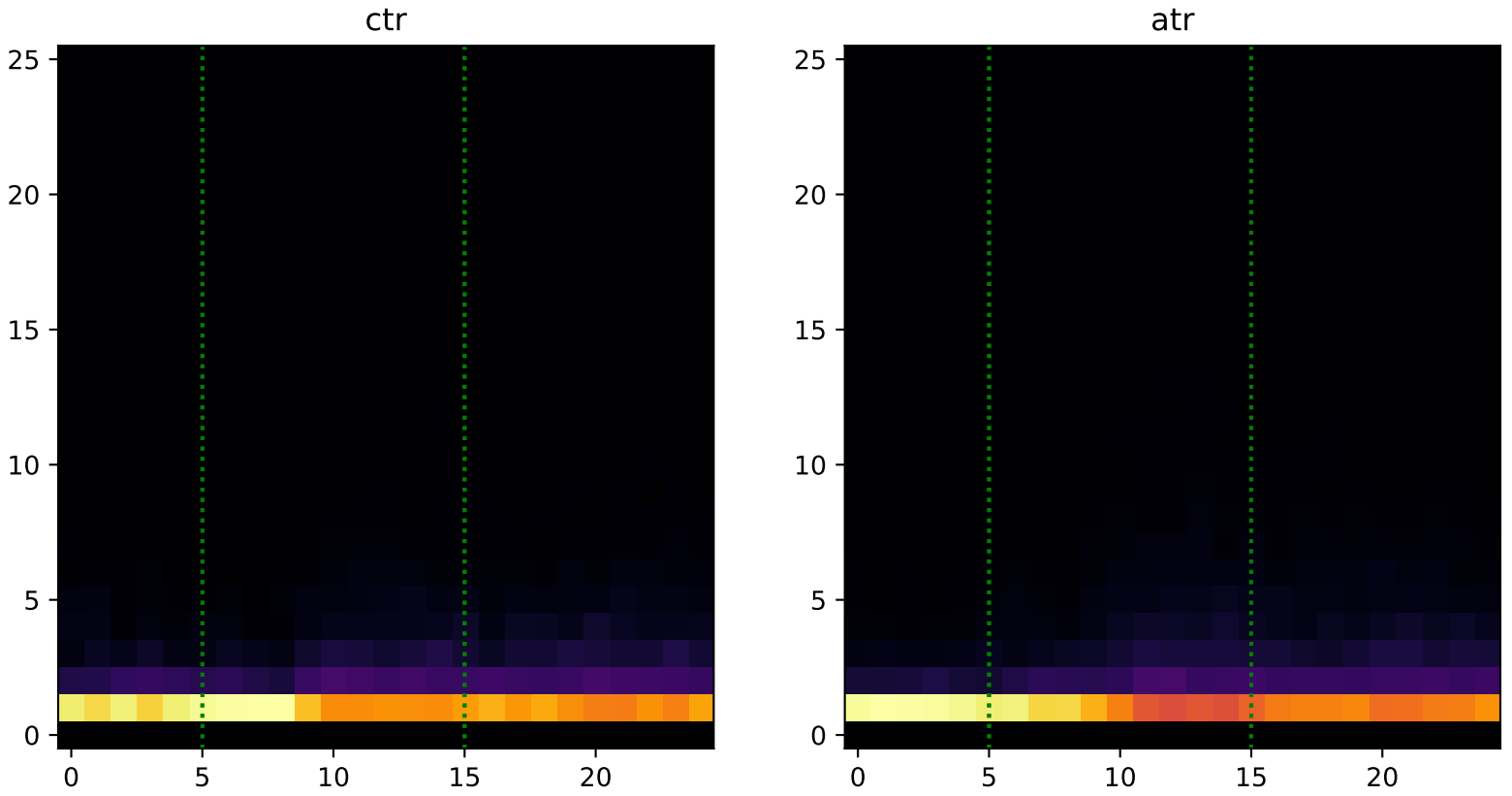

eigen_projection_2 | pval:0.3347732181425486
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

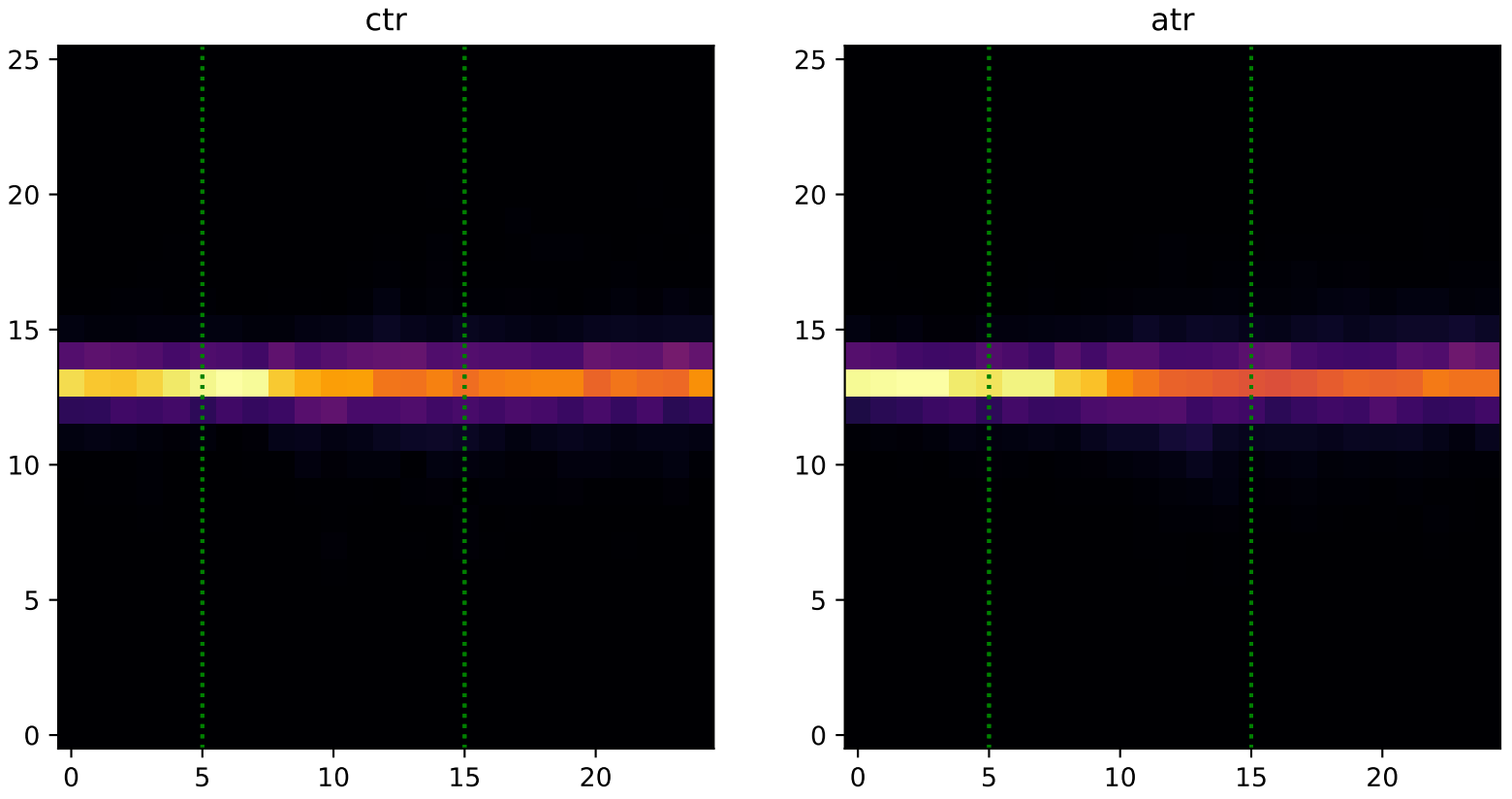

curvature_hips | pval:0.3347732181425486
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

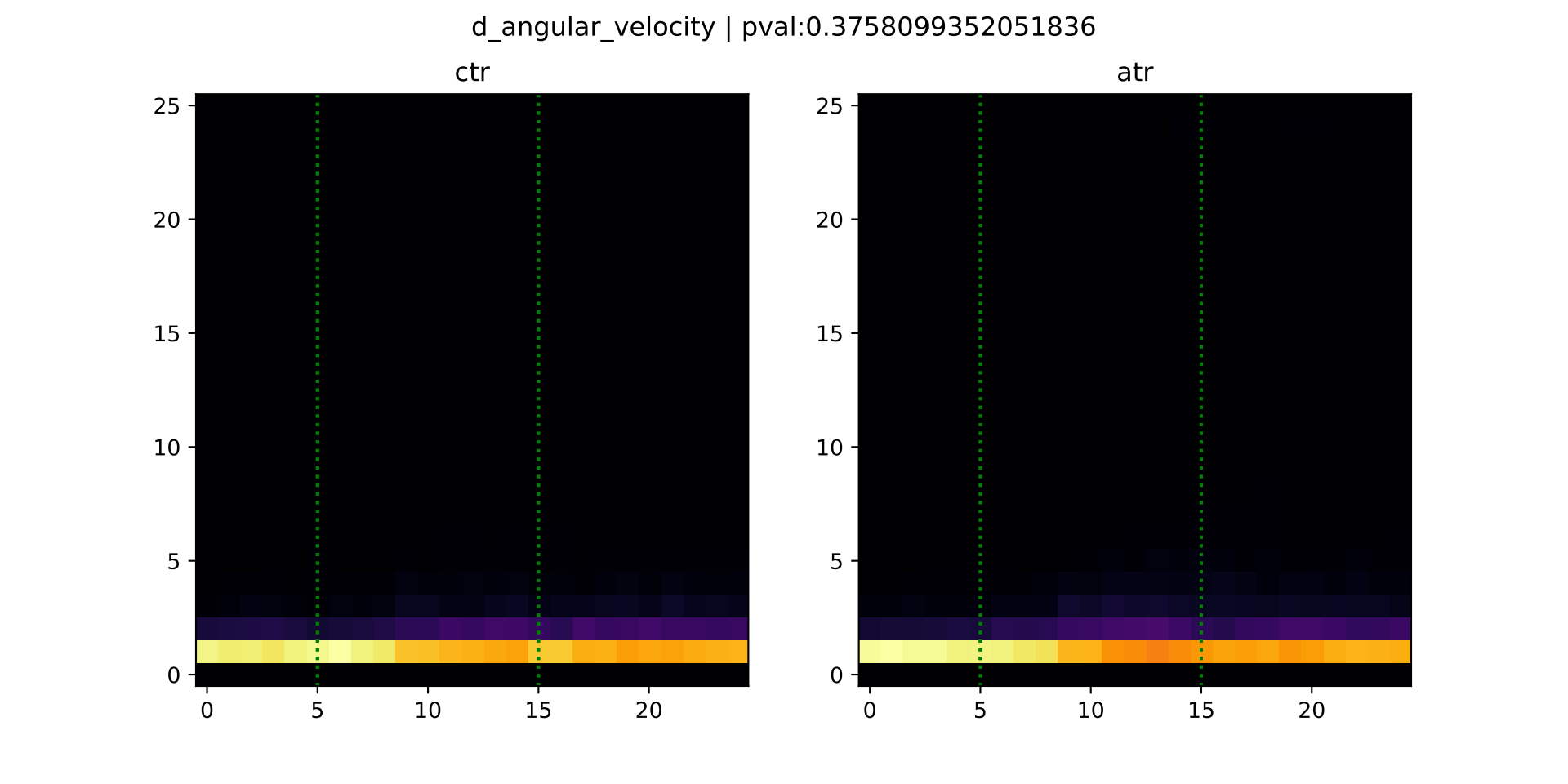

width_head_base | pval:0.35205183585313177
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

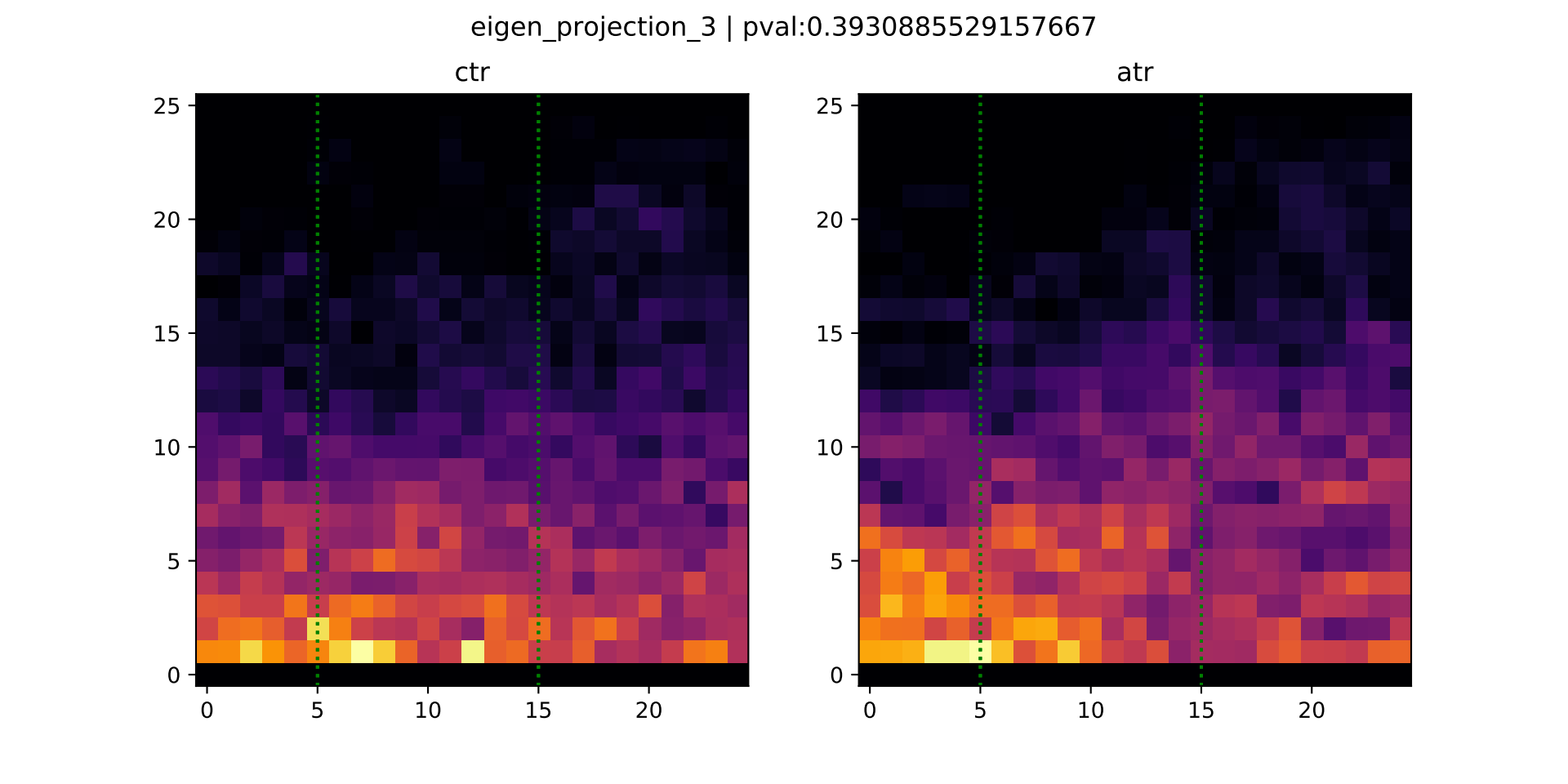

relative_to_body_speed_midbody | pval:0.35853131749460043
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

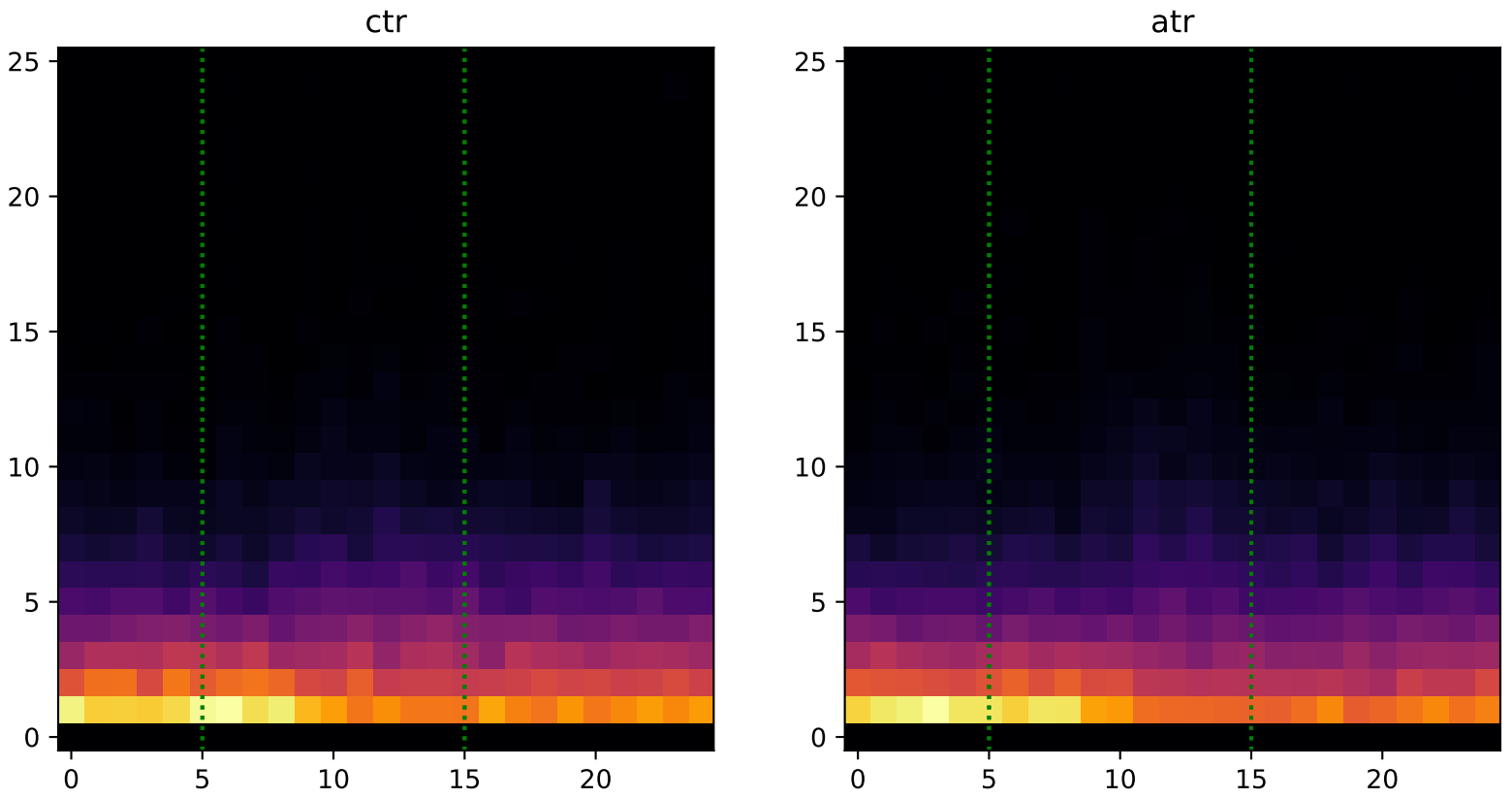

d_relative_to_body_speed_midbody | pval:0.36069114470842334
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

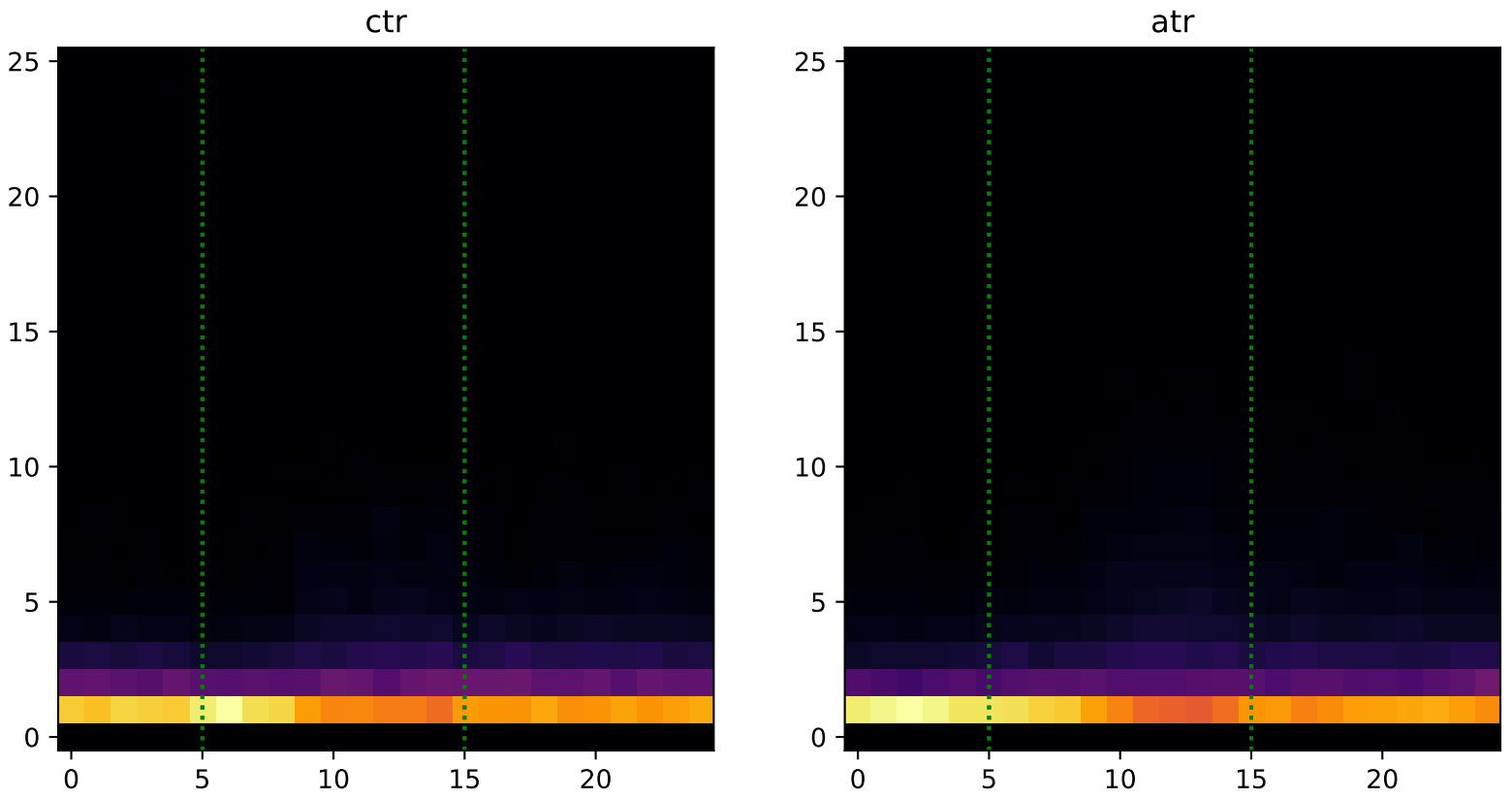

angular_velocity_midbody | pval:0.36285097192224625
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

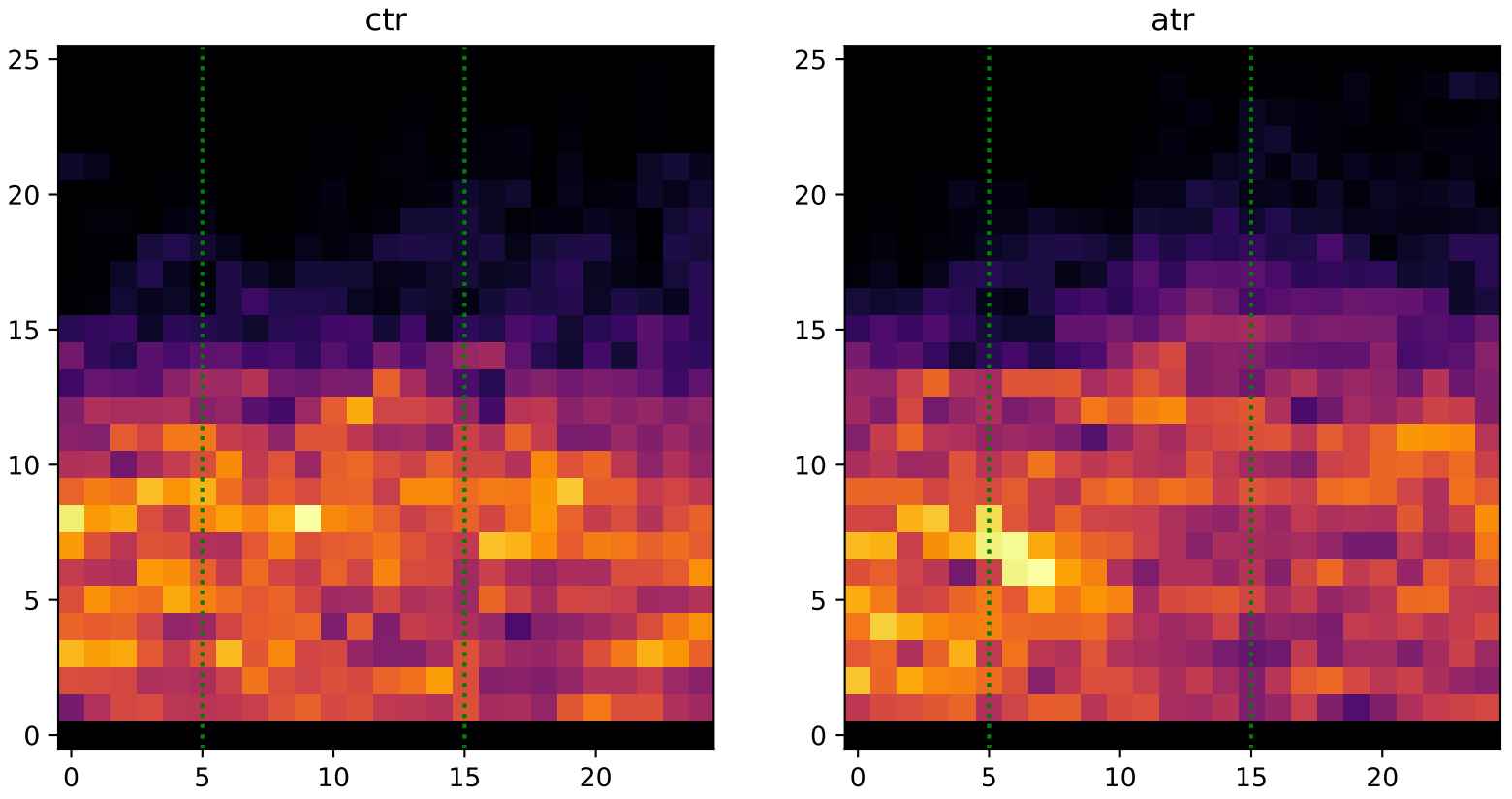

relative_to_body_radial_velocity_neck | pval:0.3693304535637149
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

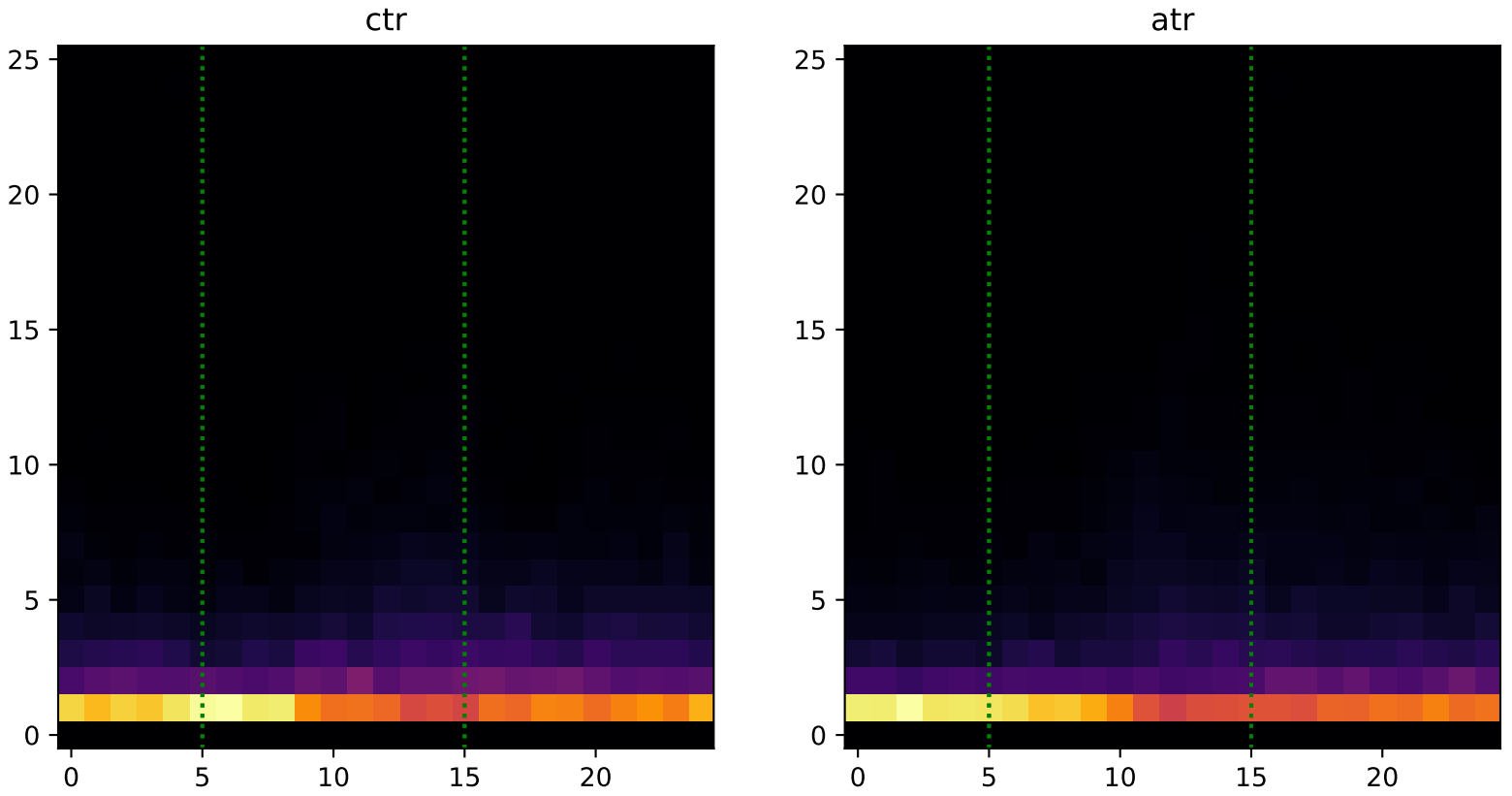

d_angular_velocity | pval:0.3758099352051836
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

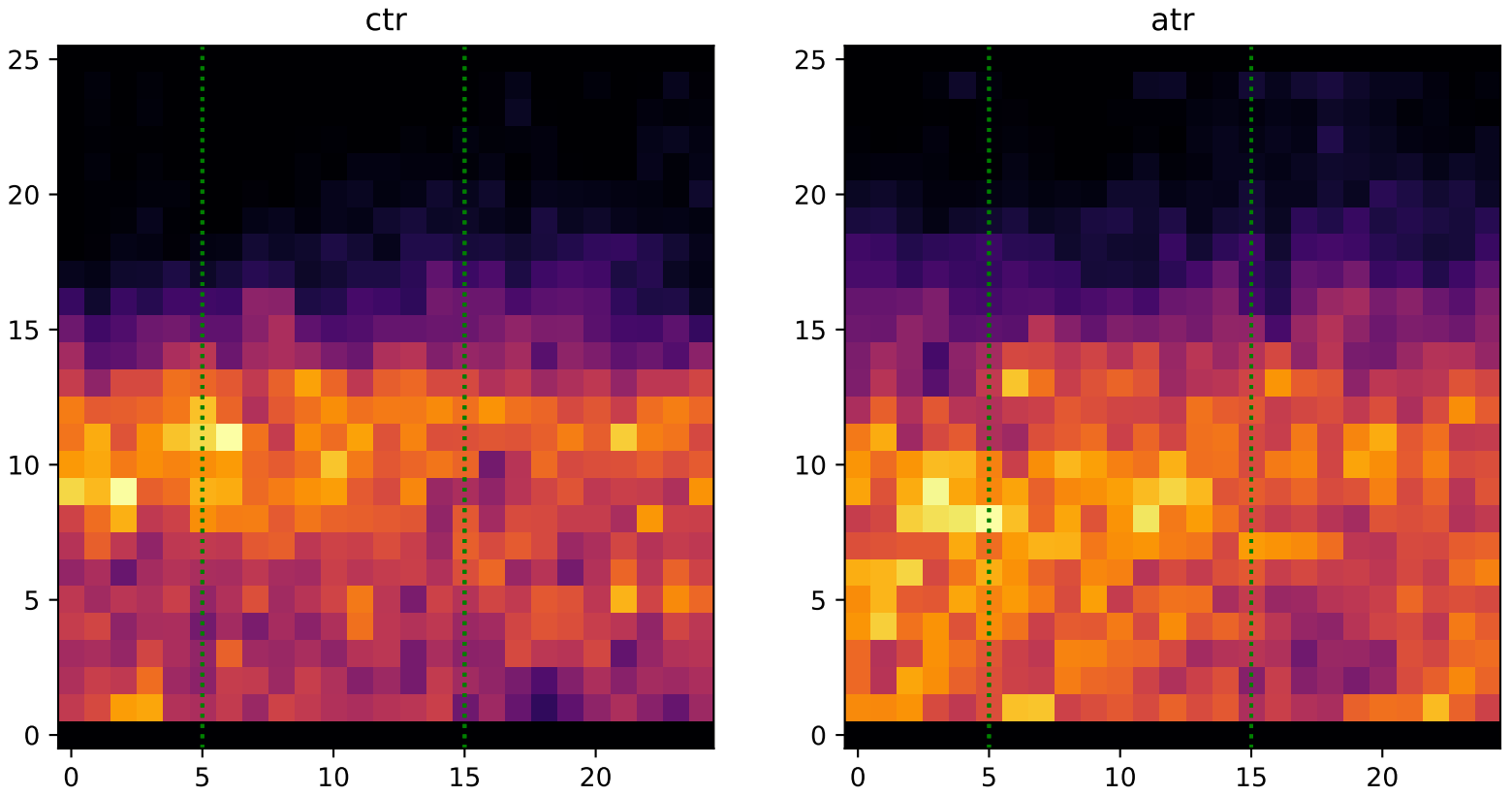

eigen_projection_3 | pval:0.3930885529157667
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

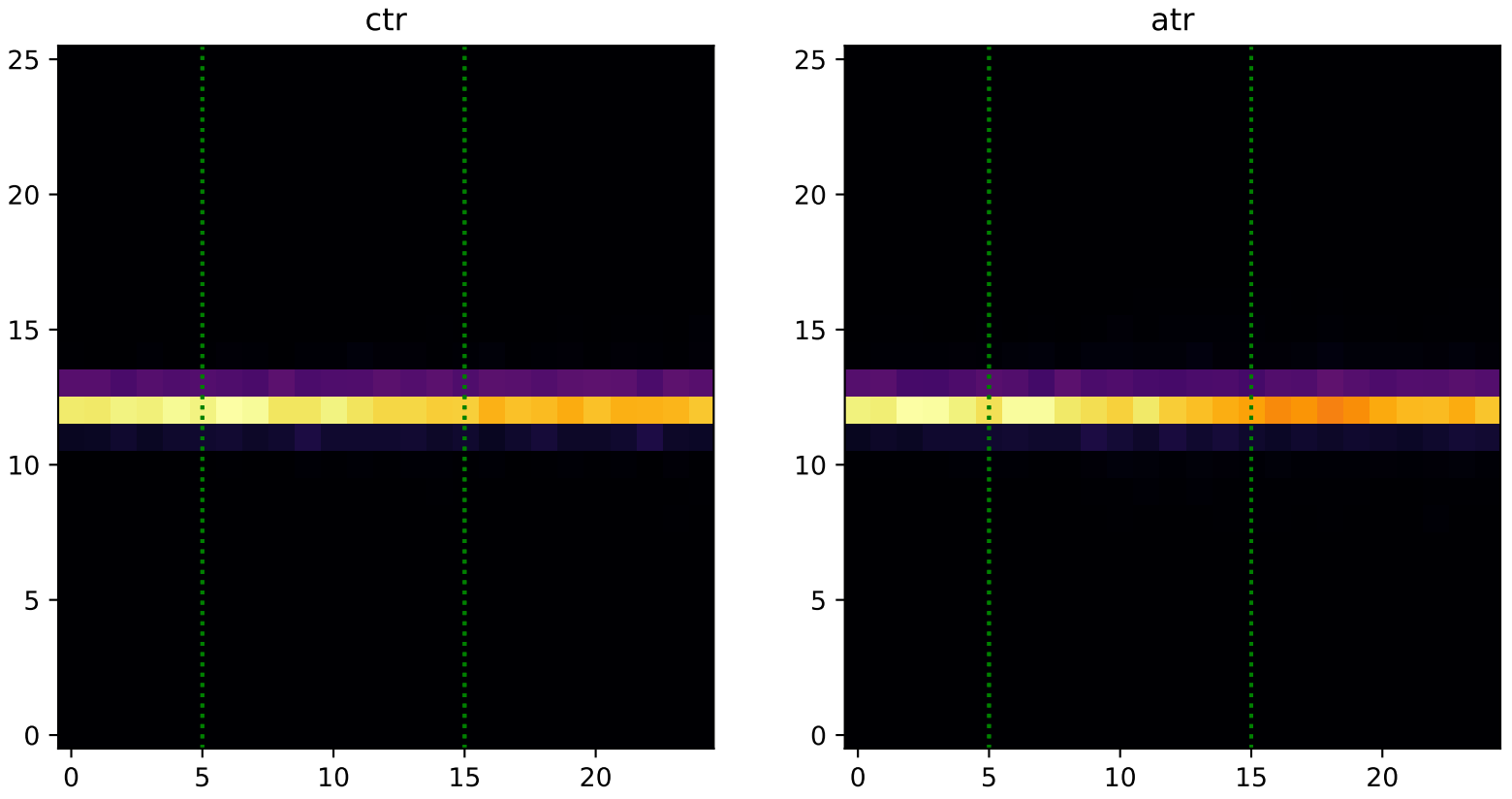

d_eigen_projection_5 | pval:0.3952483801295896
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

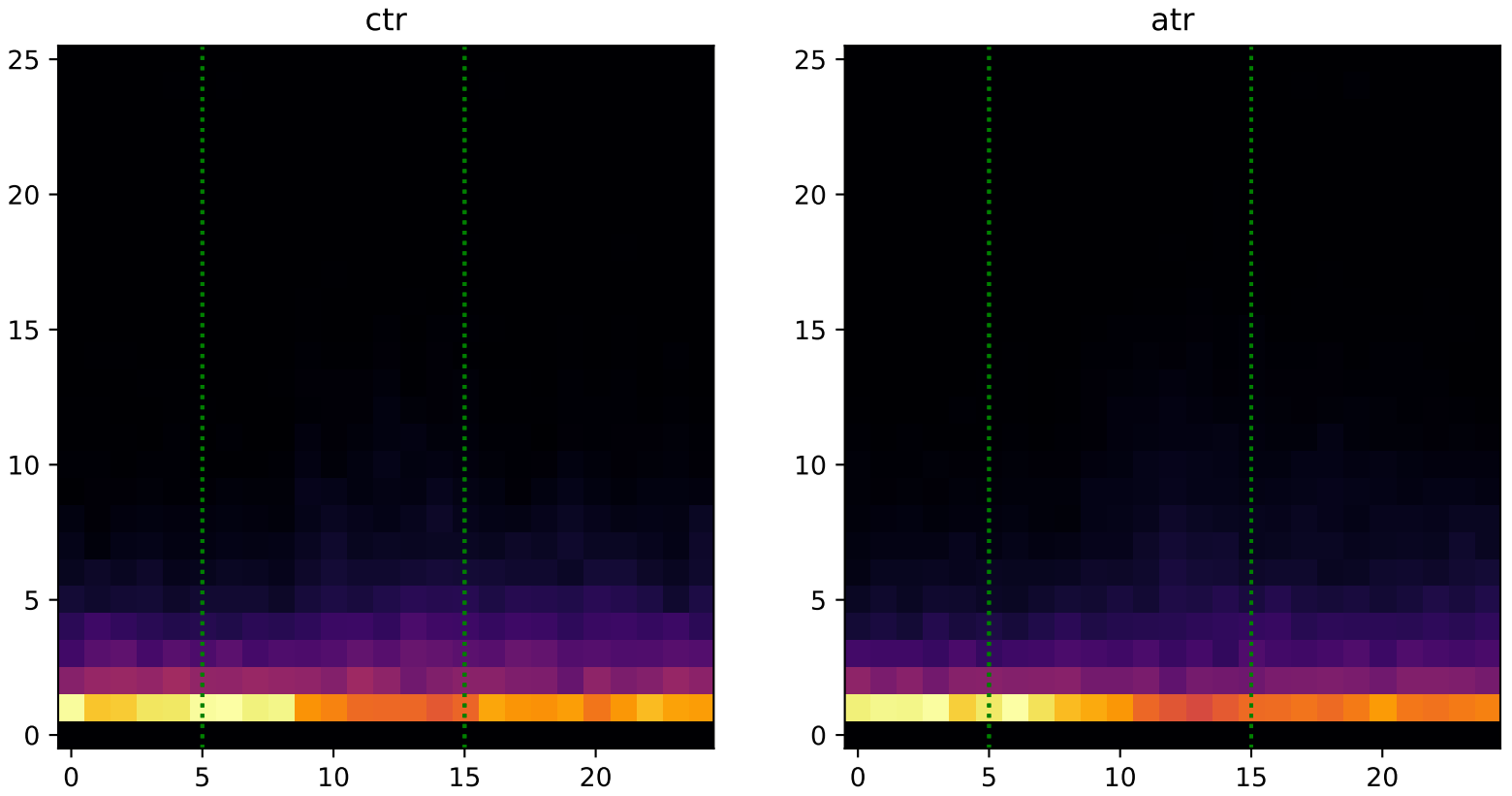

d_angular_velocity_neck | pval:0.4060475161987041
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

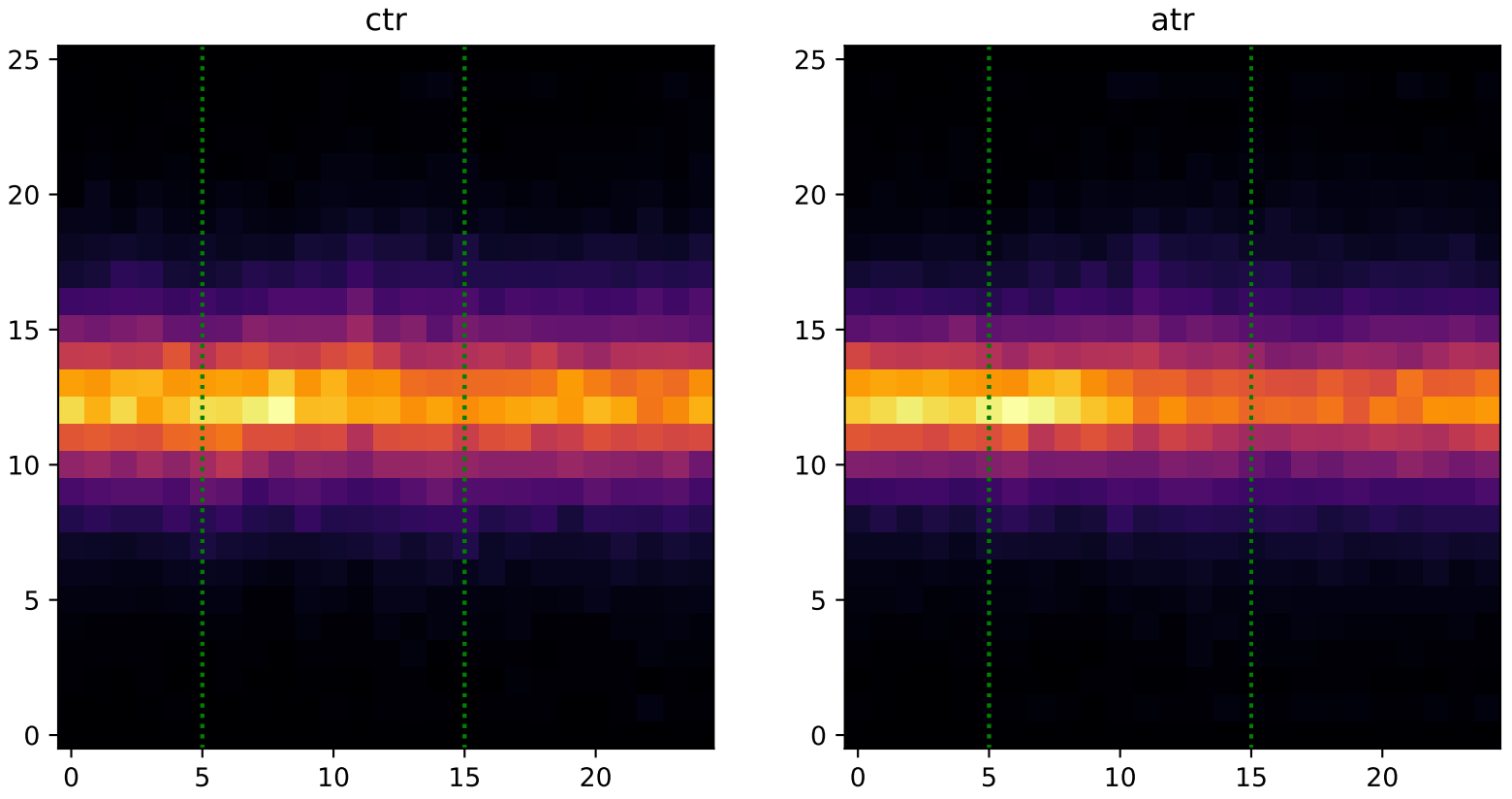

curvature_mean_hips | pval:0.41252699784017277
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

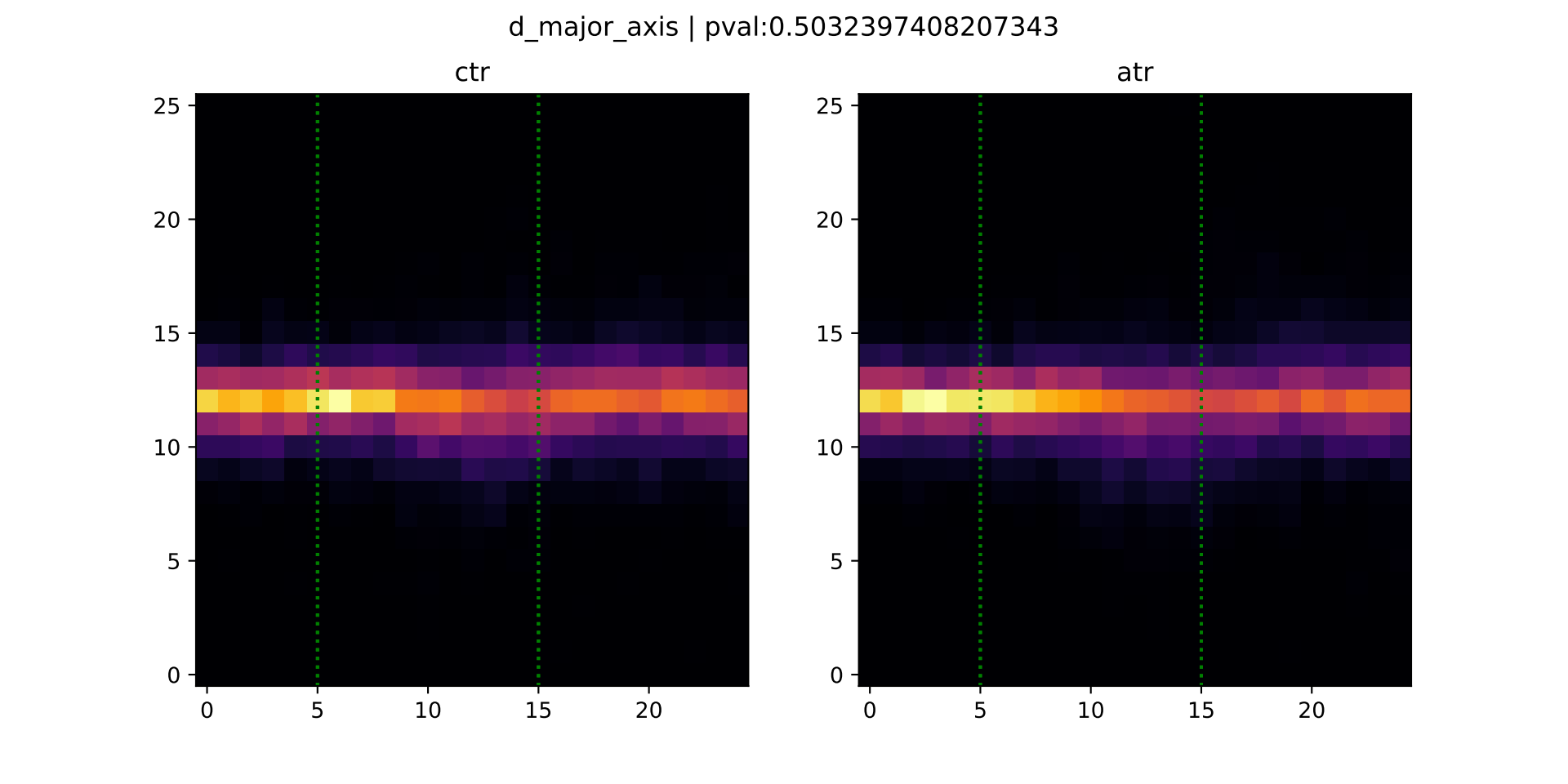

angular_velocity_neck | pval:0.4535637149028078
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

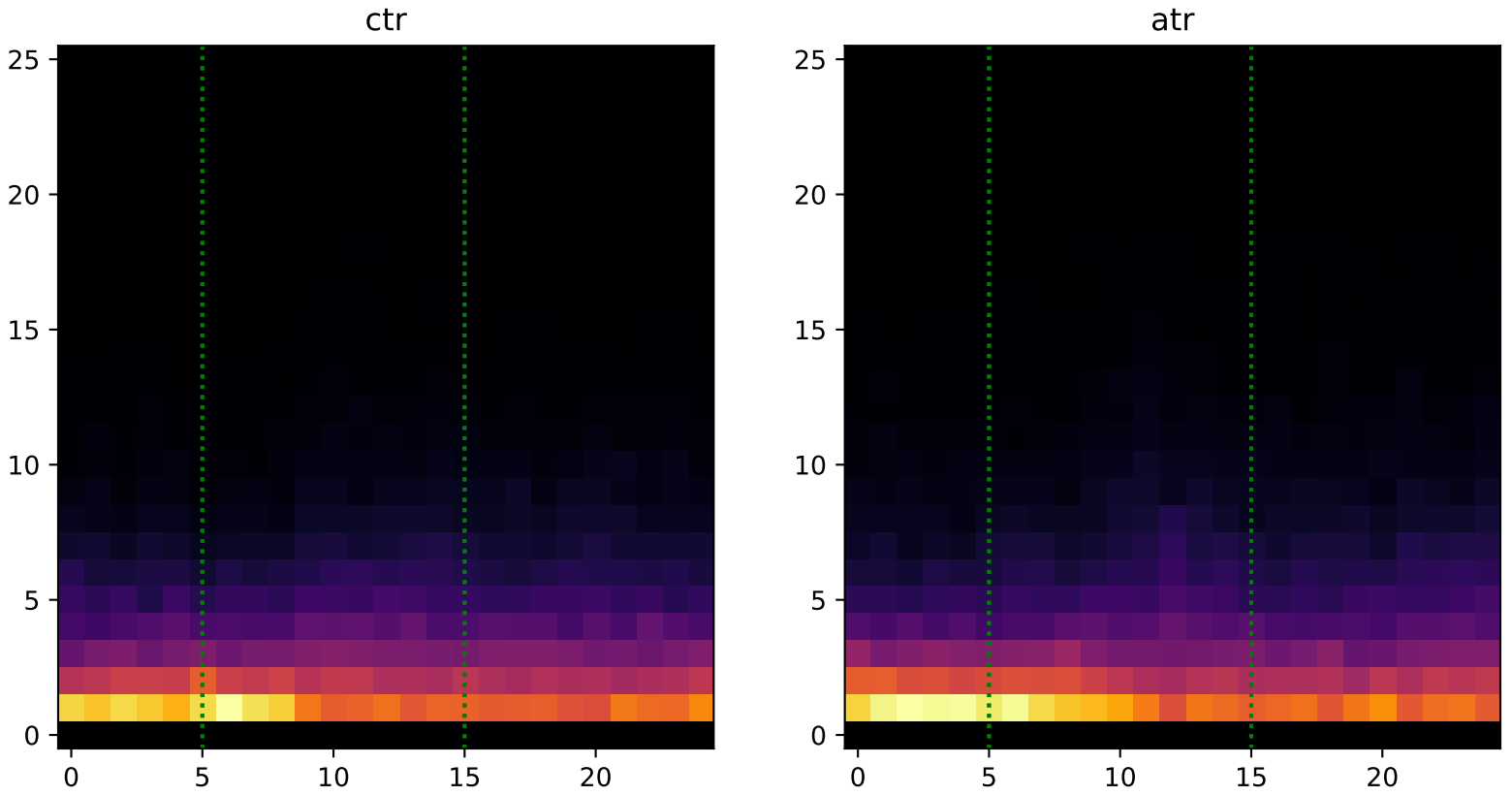

curvature_neck | pval:0.4557235421166307
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

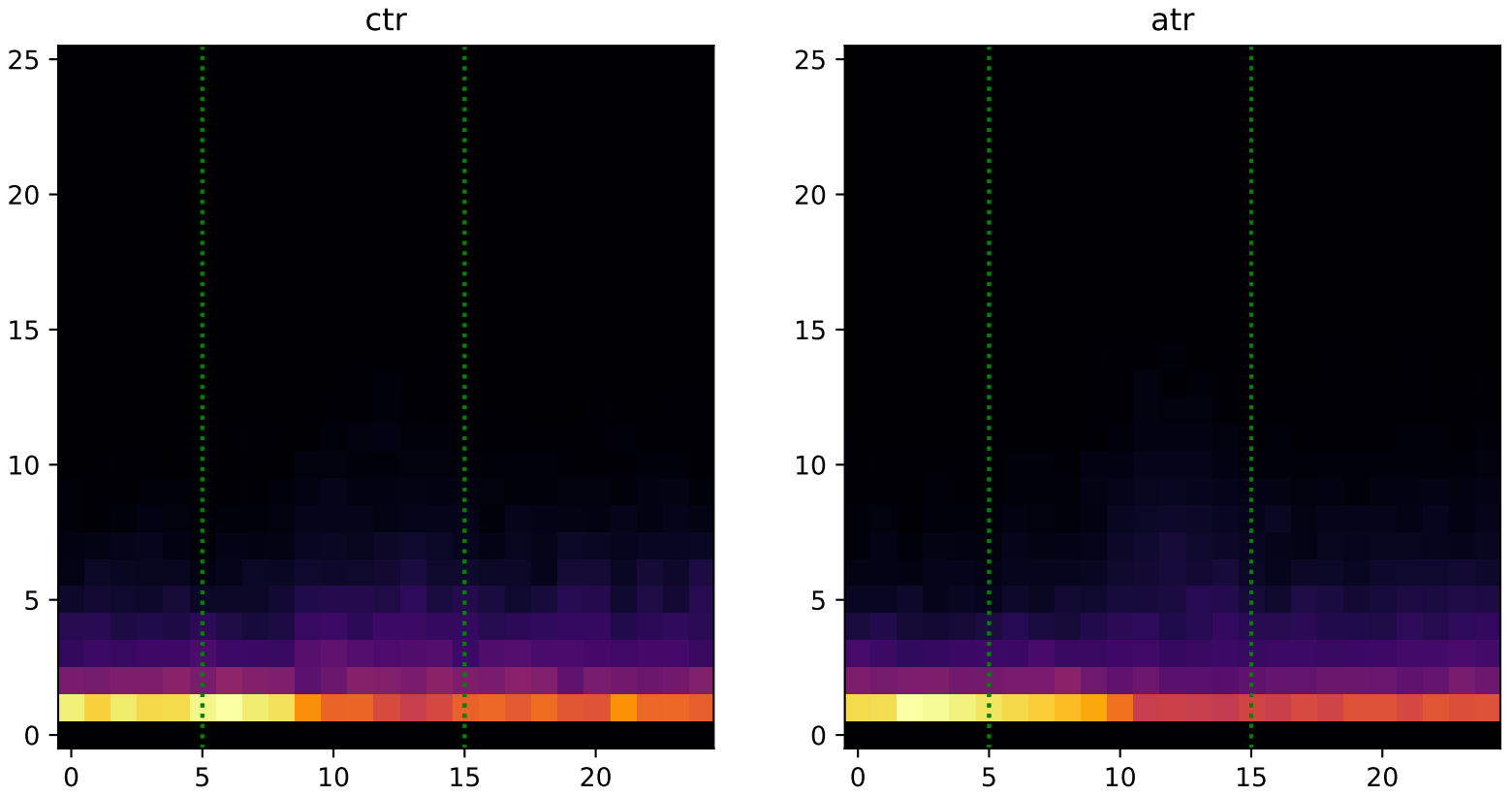

d_length | pval:0.4838012958963283
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

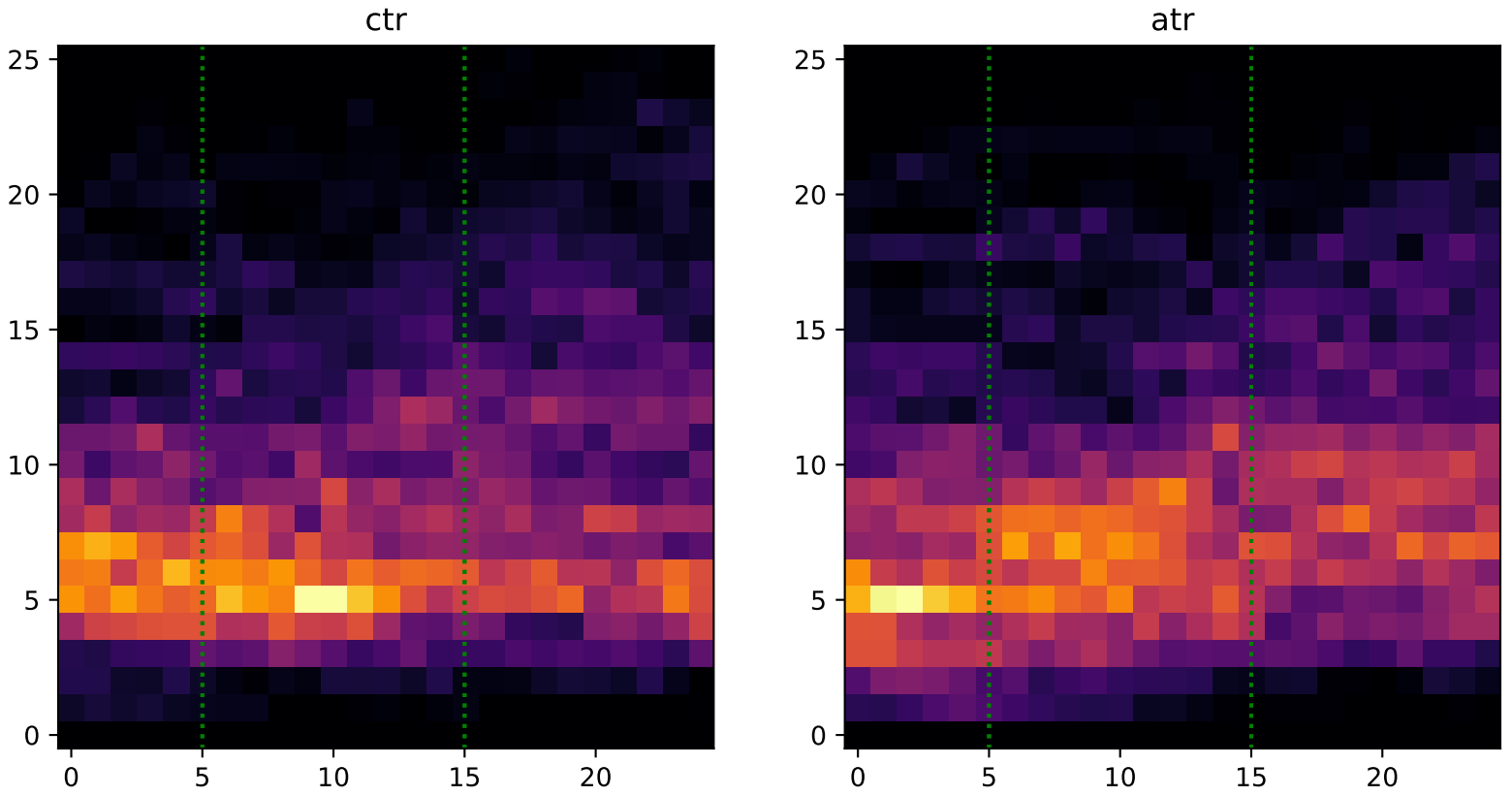

angular_velocity_head_base | pval:0.4924406047516199
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

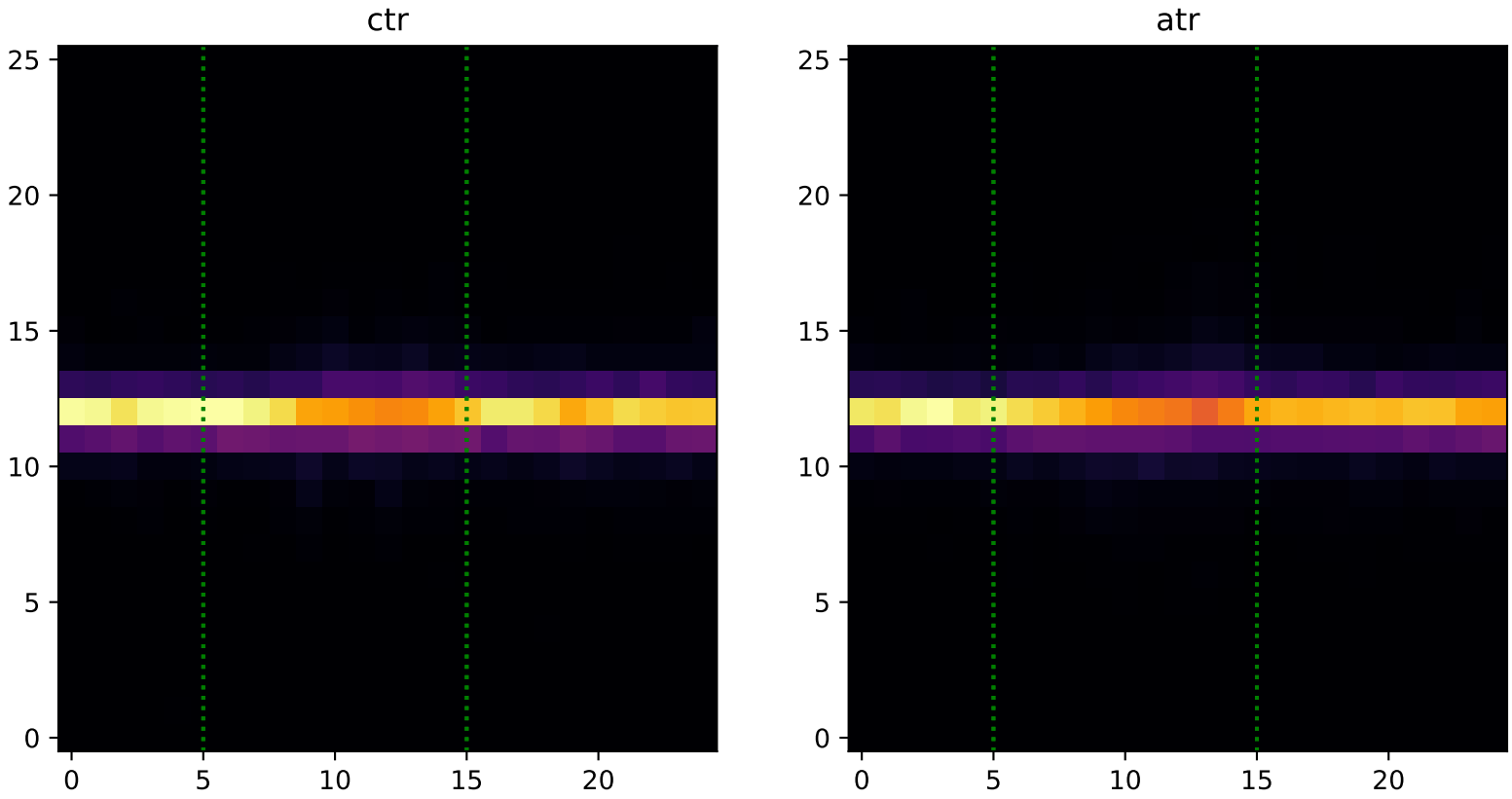

d_width_midbody | pval:0.5010799136069114
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

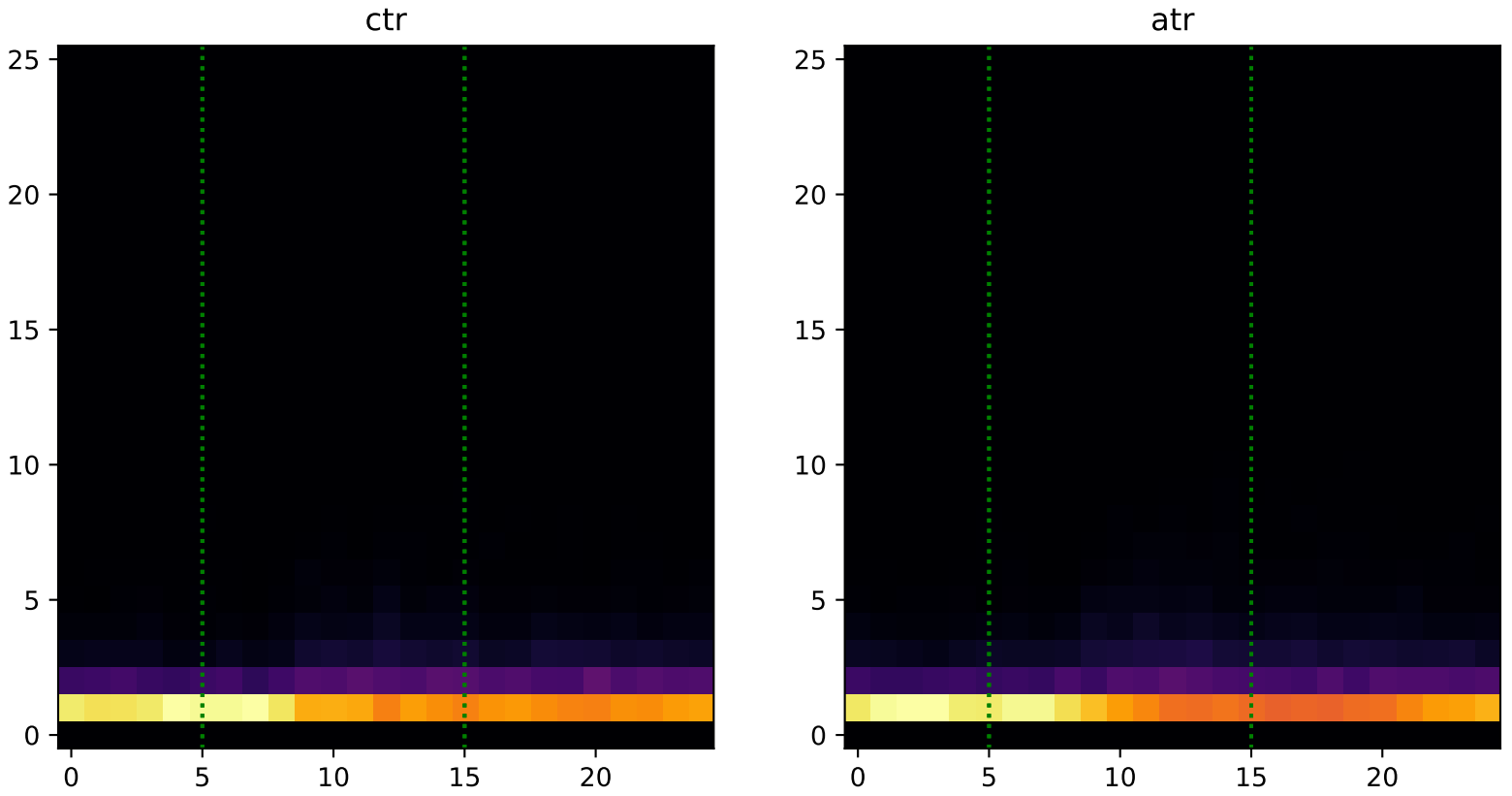

d_major_axis | pval:0.5032397408207343
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

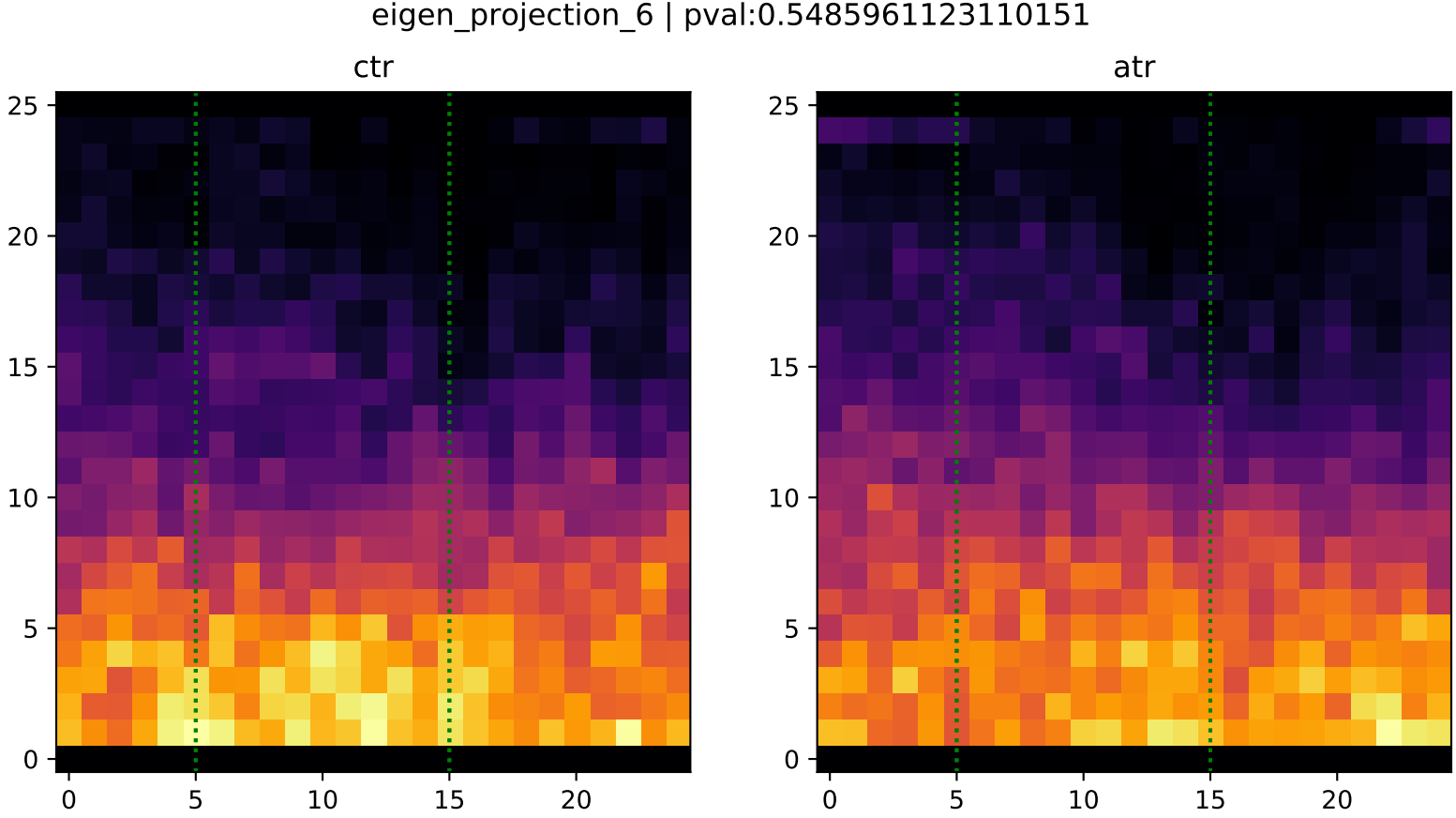

d_curvature_std_neck | pval:0.5032397408207343
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

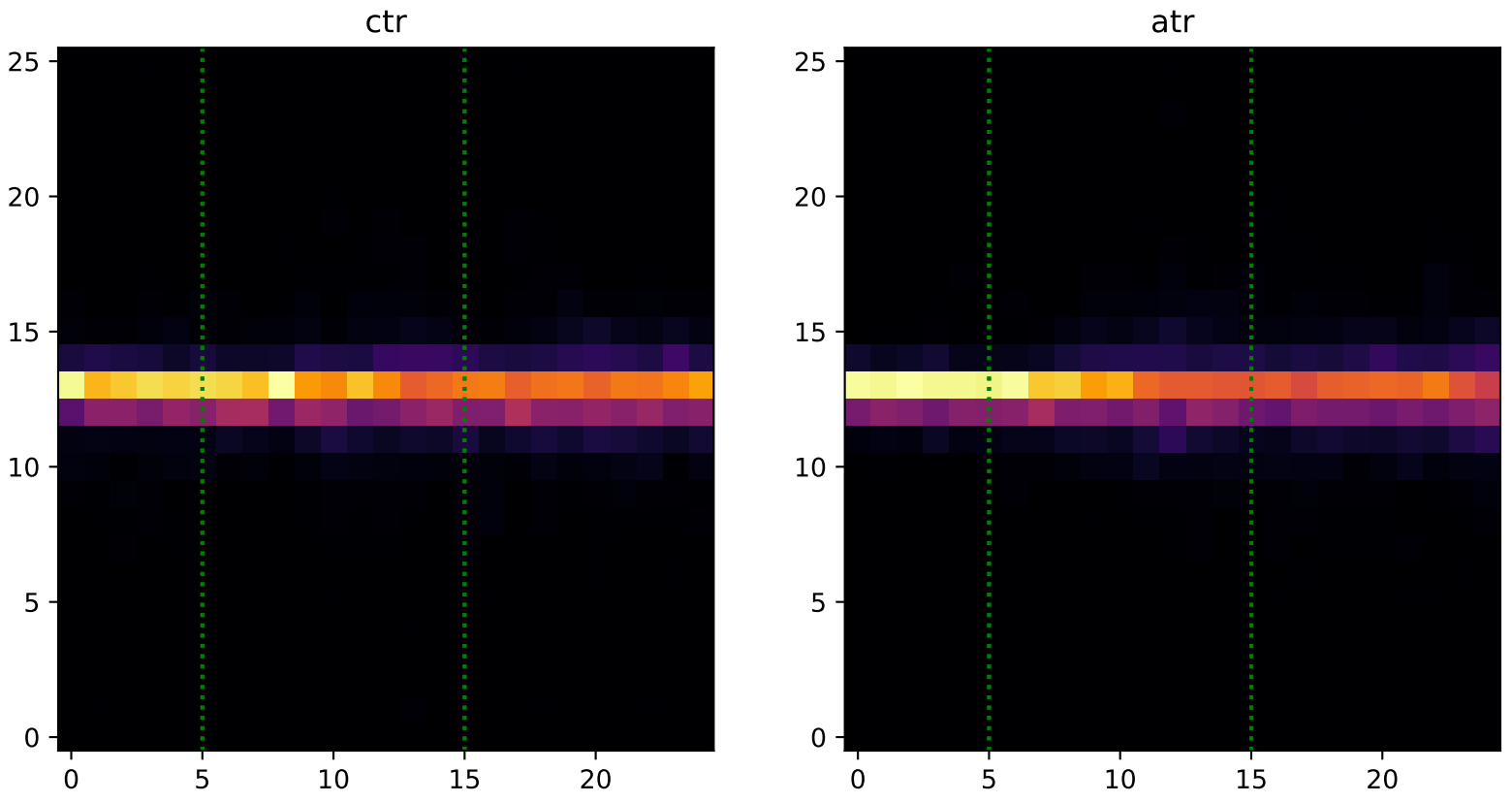

relative_to_neck_angular_velocity_head_tip | pval:0.5075593952483801
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

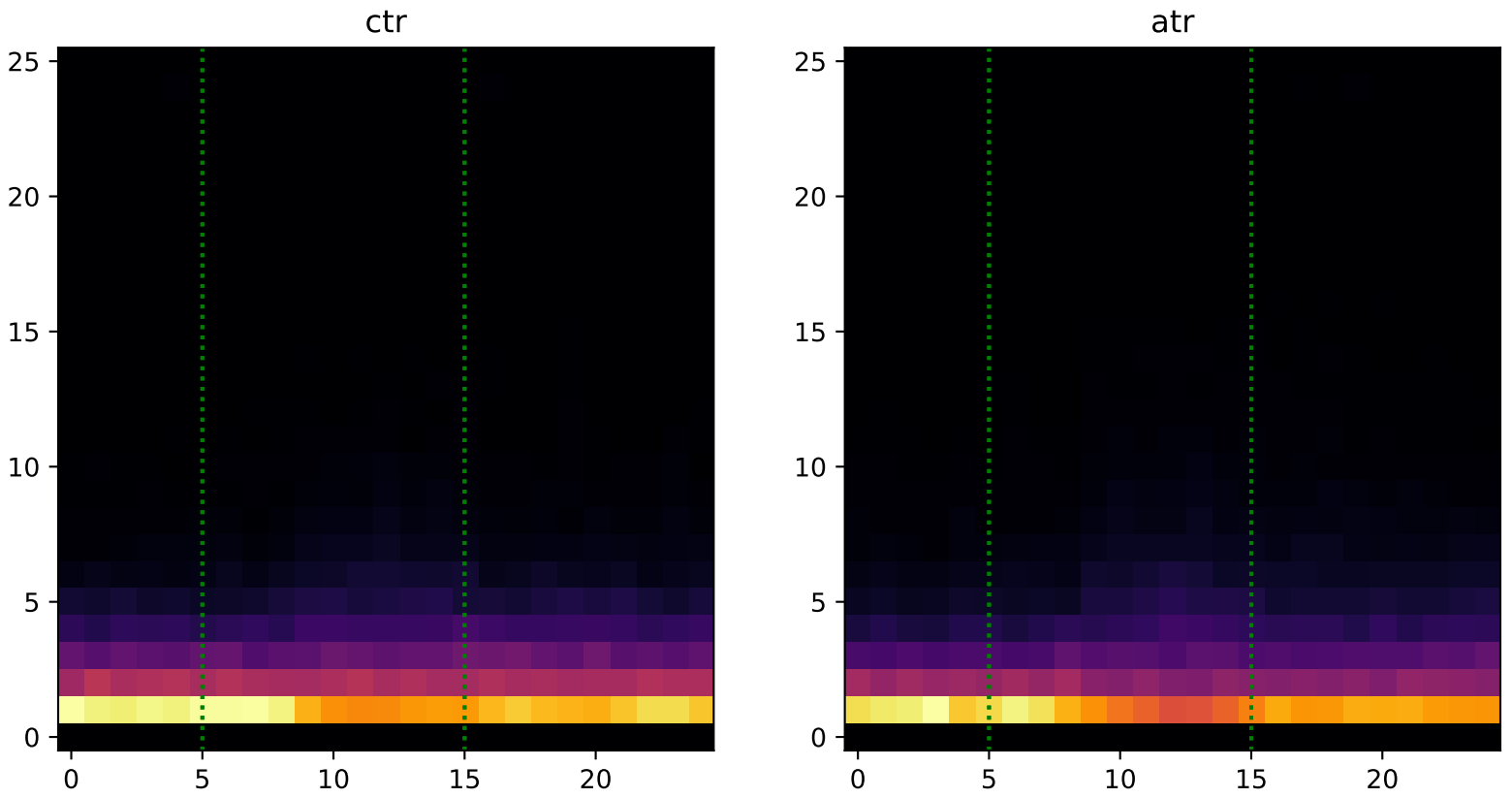

minor_axis | pval:0.509719222462203
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

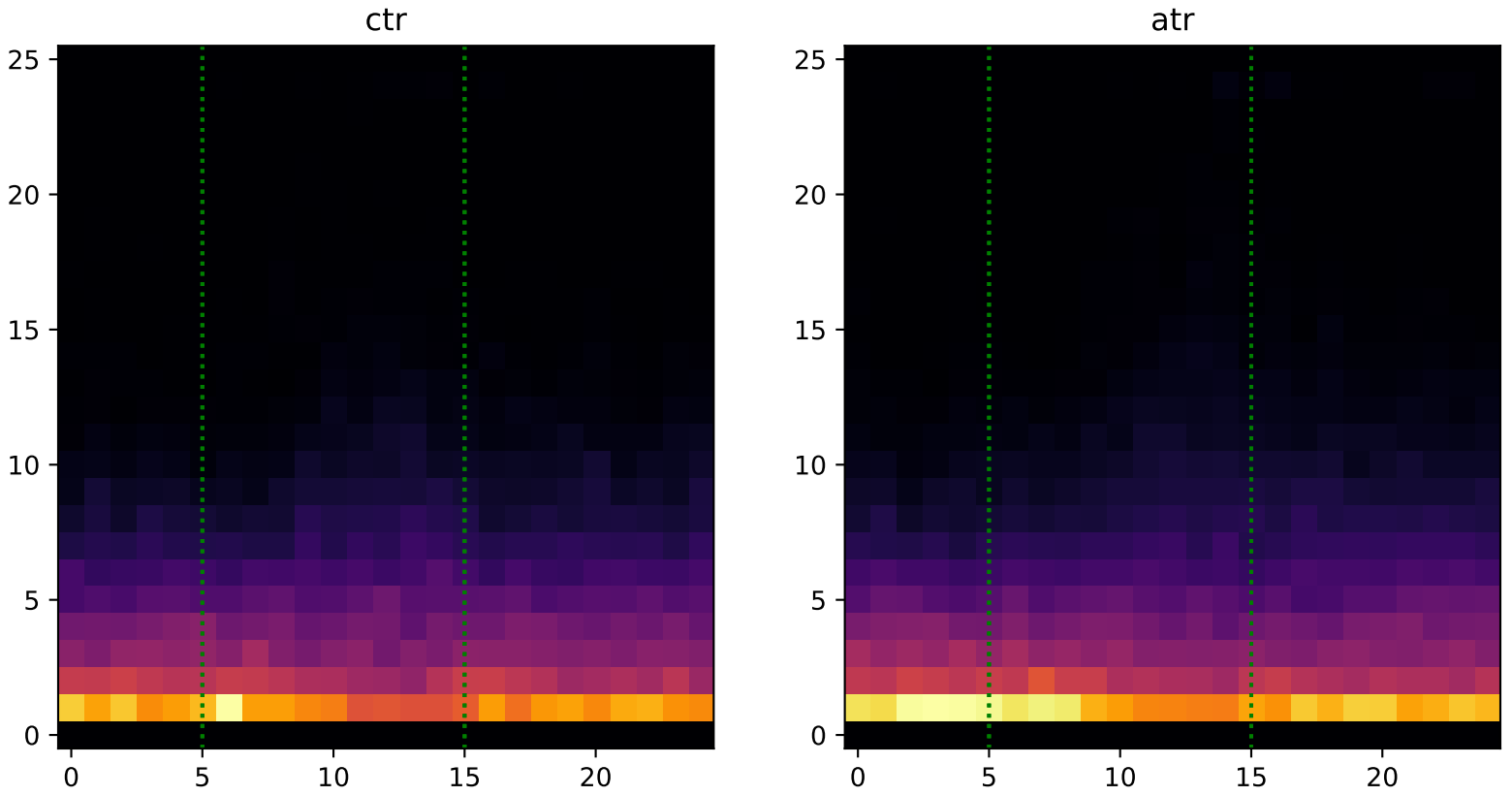

d_speed_hips | pval:0.509719222462203
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

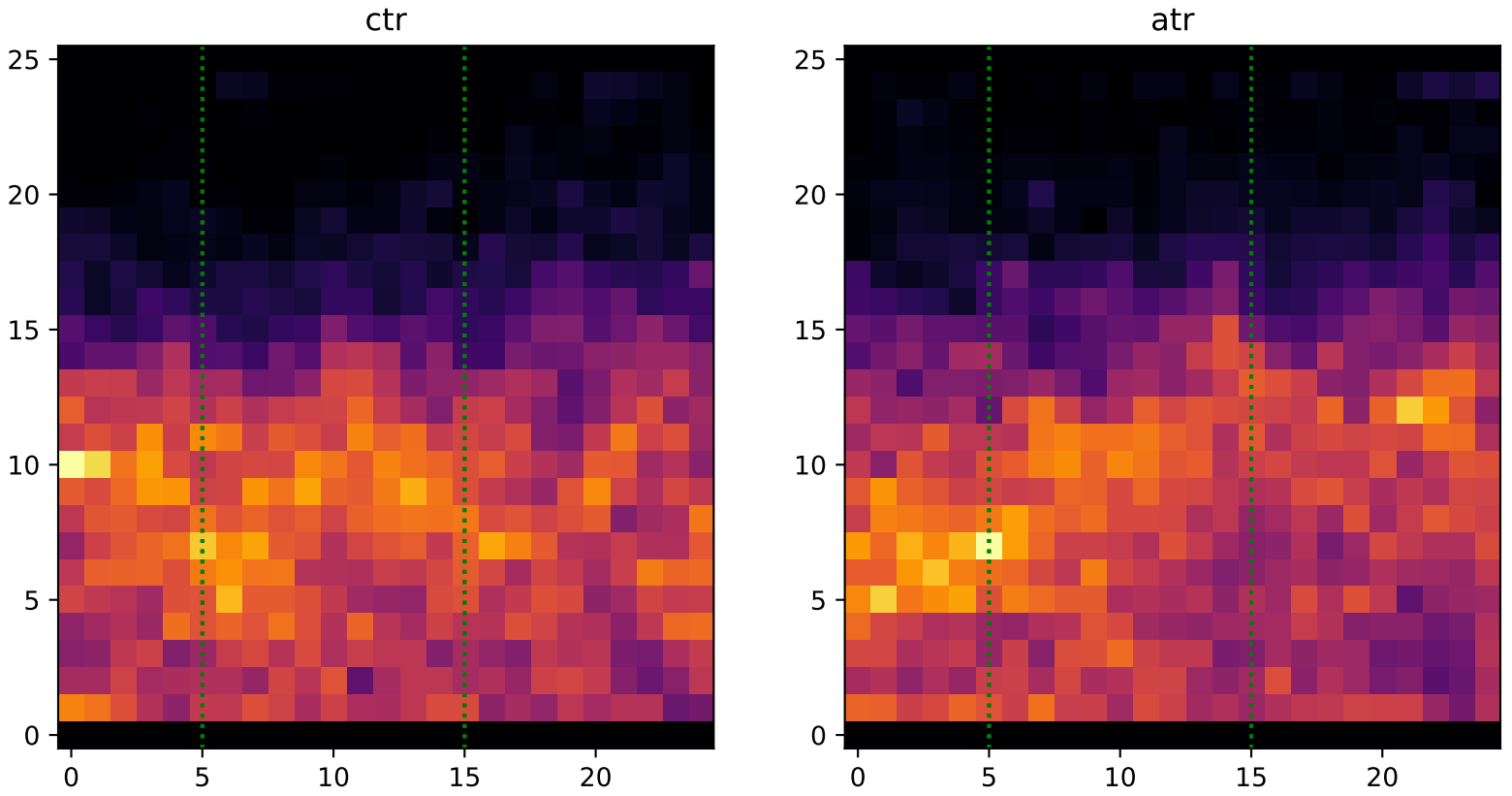

d_relative_to_body_angular_velocity_head_tip | pval:0.5226781857451404
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

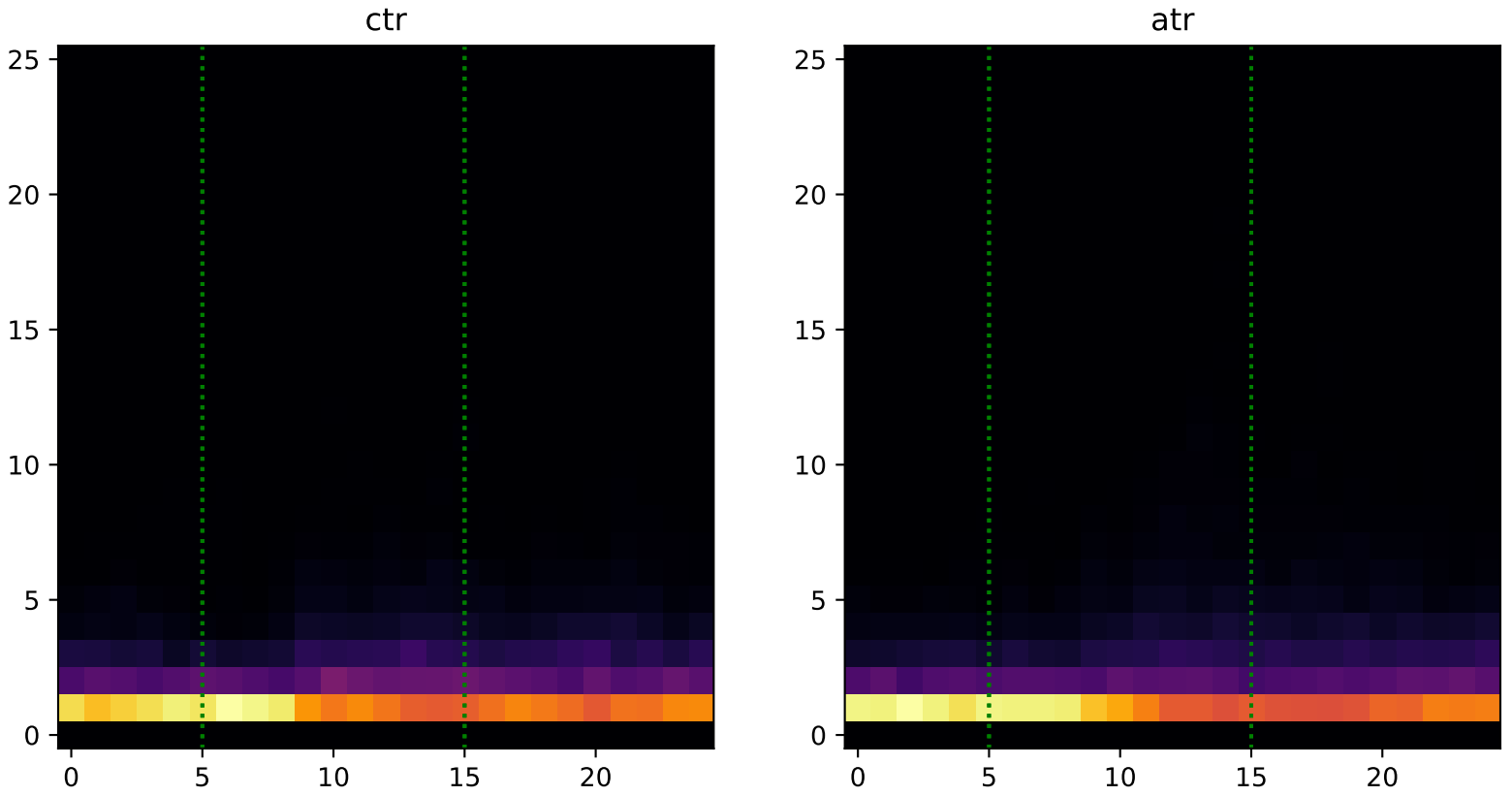

eigen_projection_6 | pval:0.5485961123110151
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

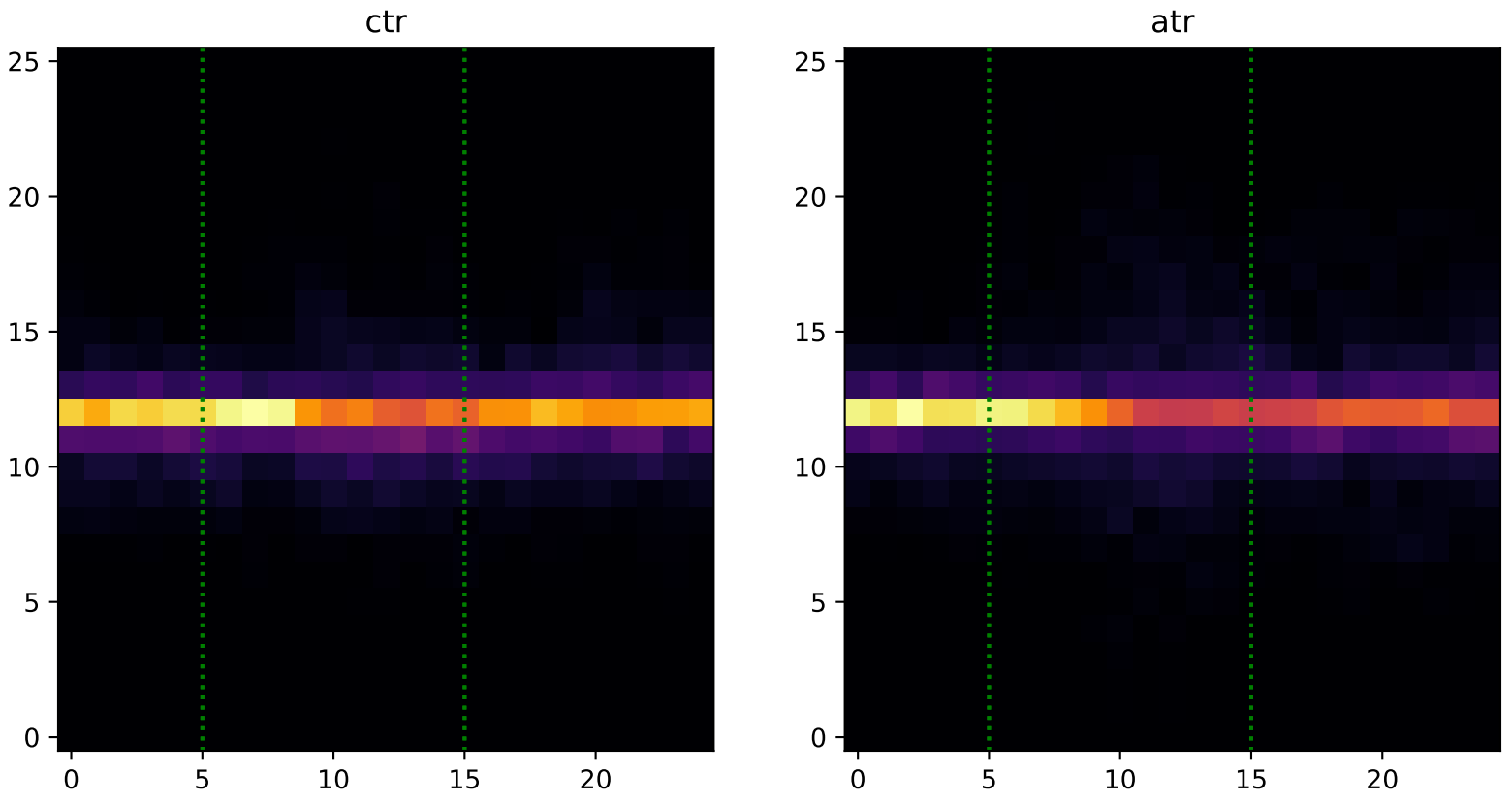

d_orientation_food_edge | pval:0.550755939524838
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

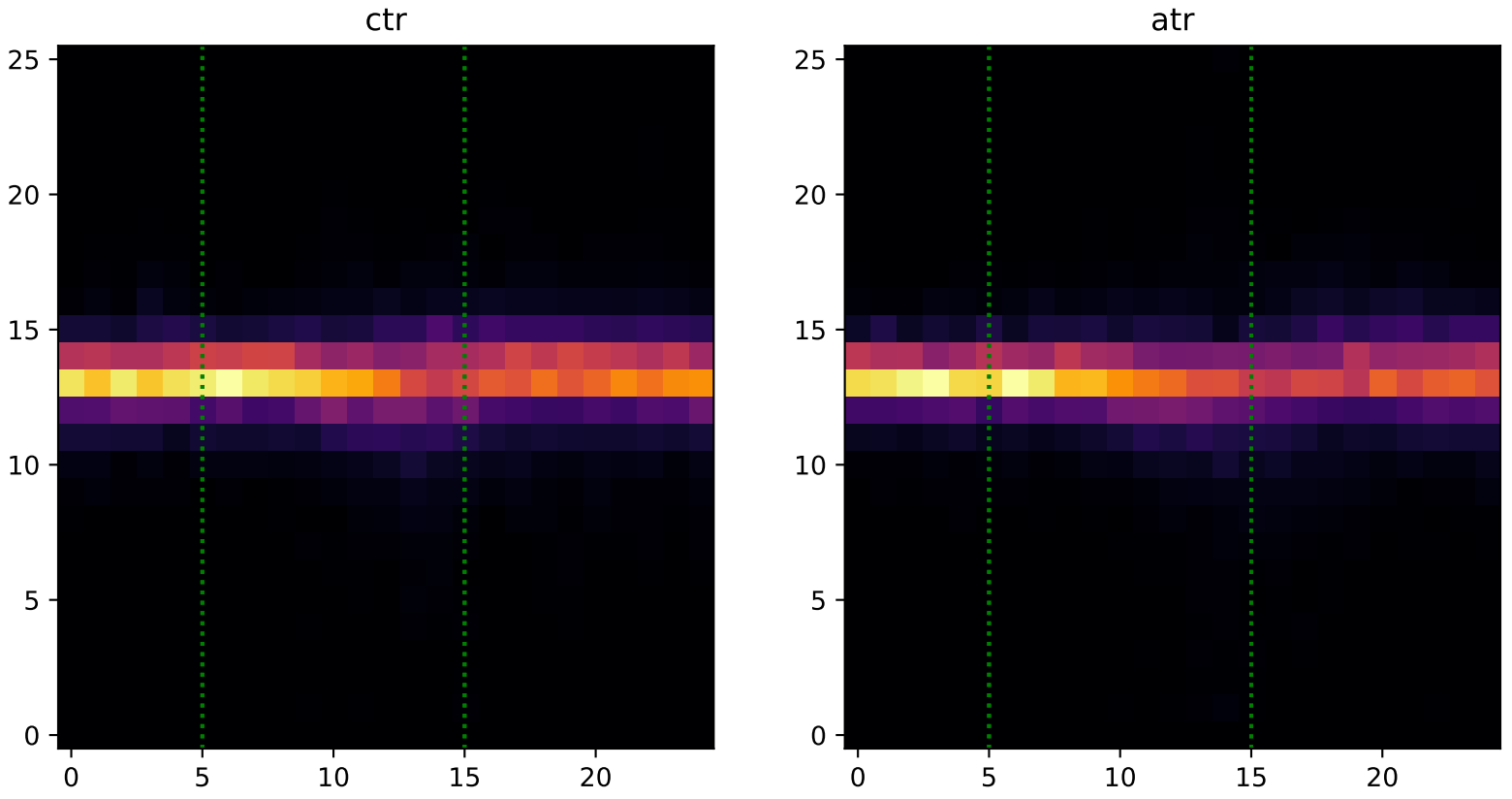

d_angular_velocity_head_base | pval:0.5529157667386609
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

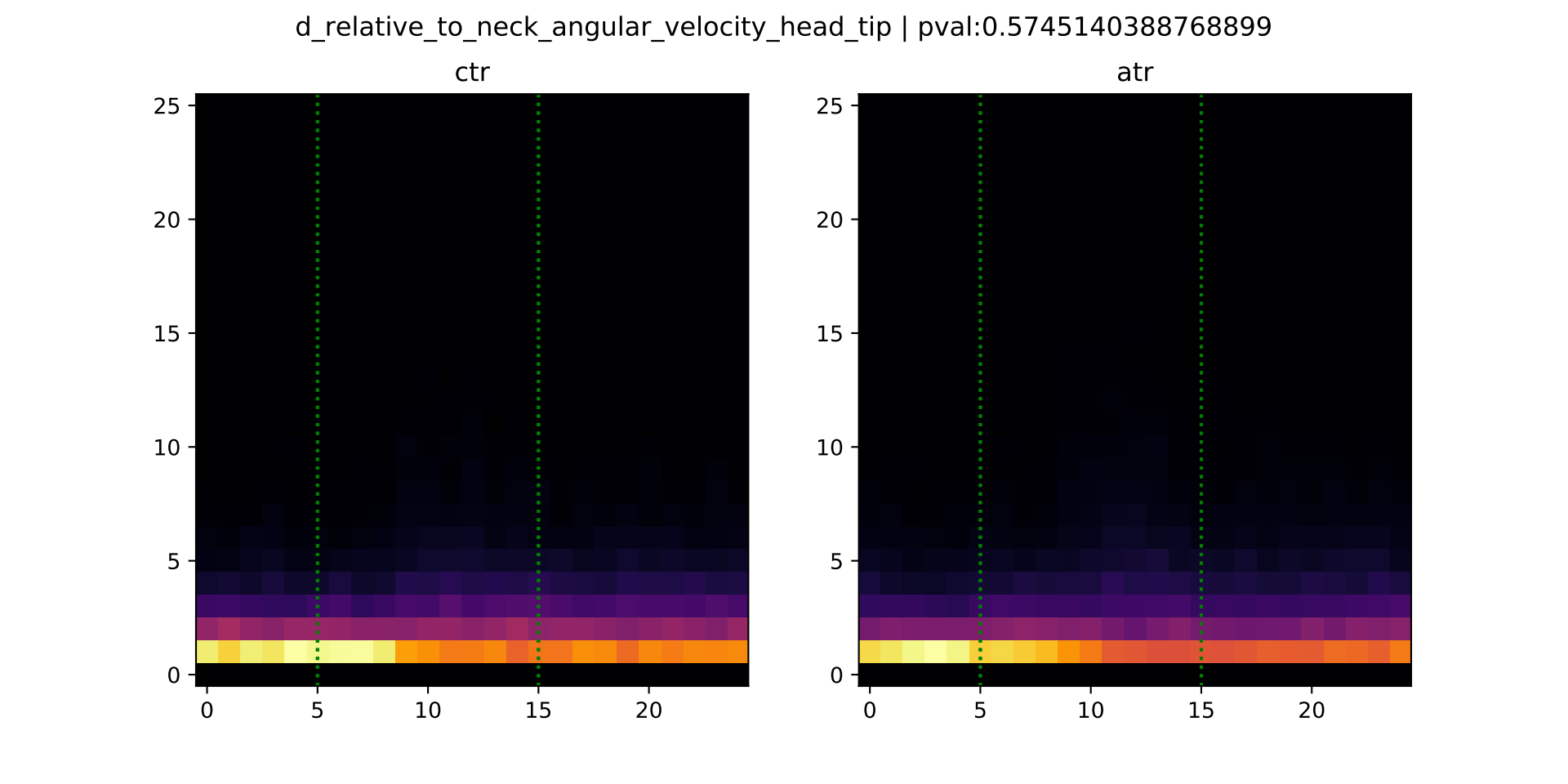

angular_velocity_head_tip | pval:0.5550755939524838
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

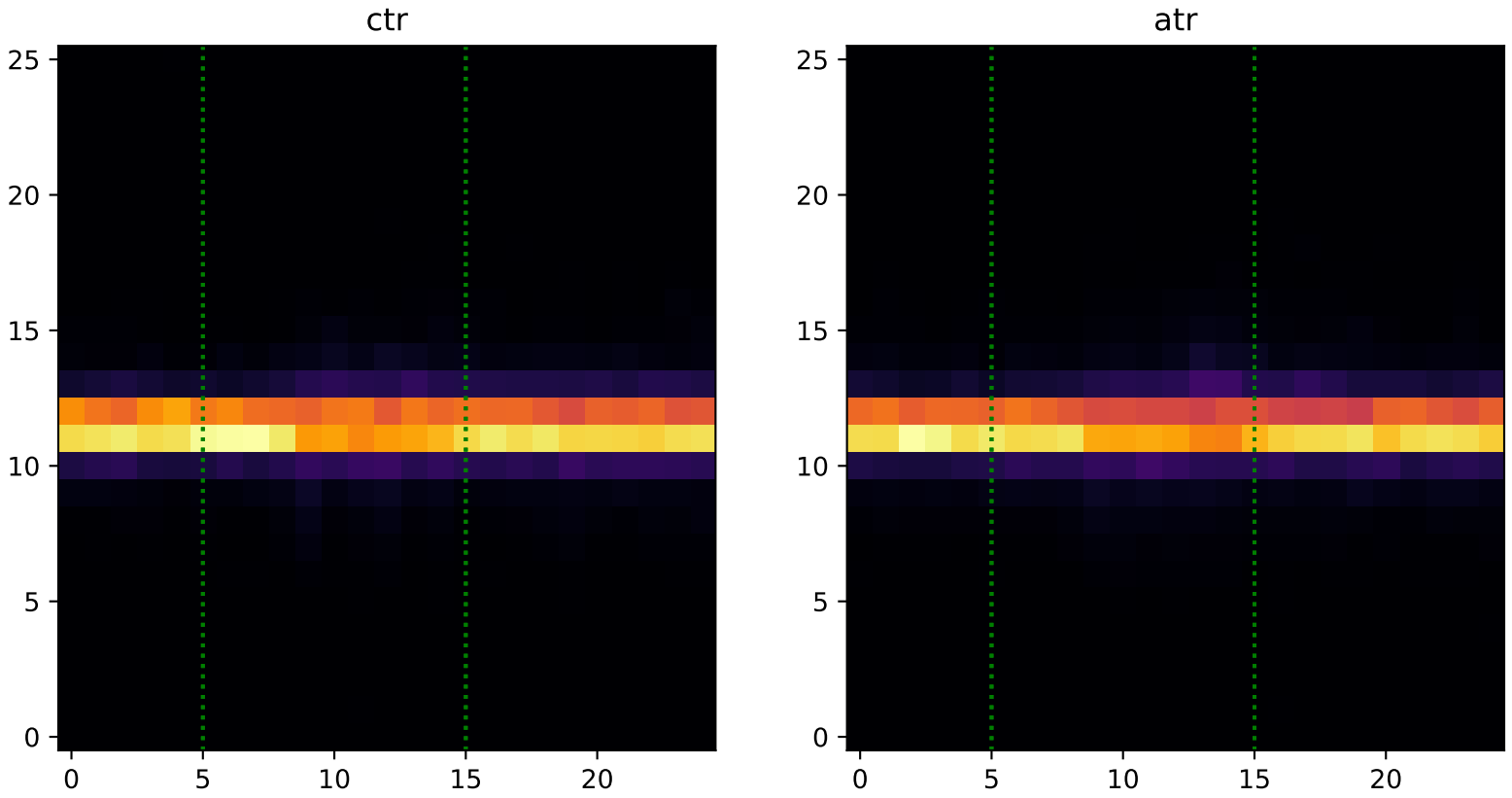

curvature_midbody | pval:0.5615550755939525
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

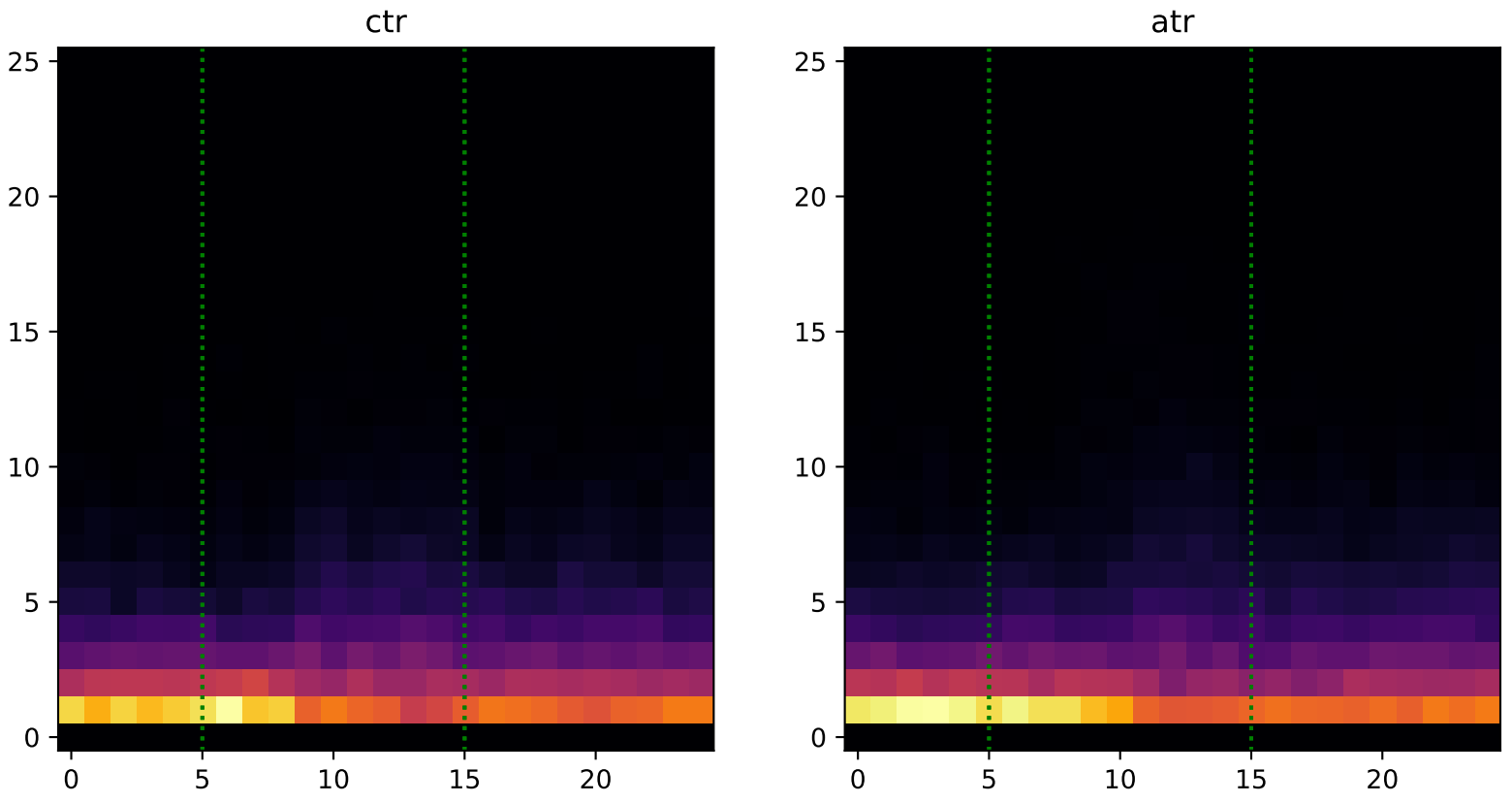

relative_to_body_angular_velocity_head_tip | pval:0.5637149028077754
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

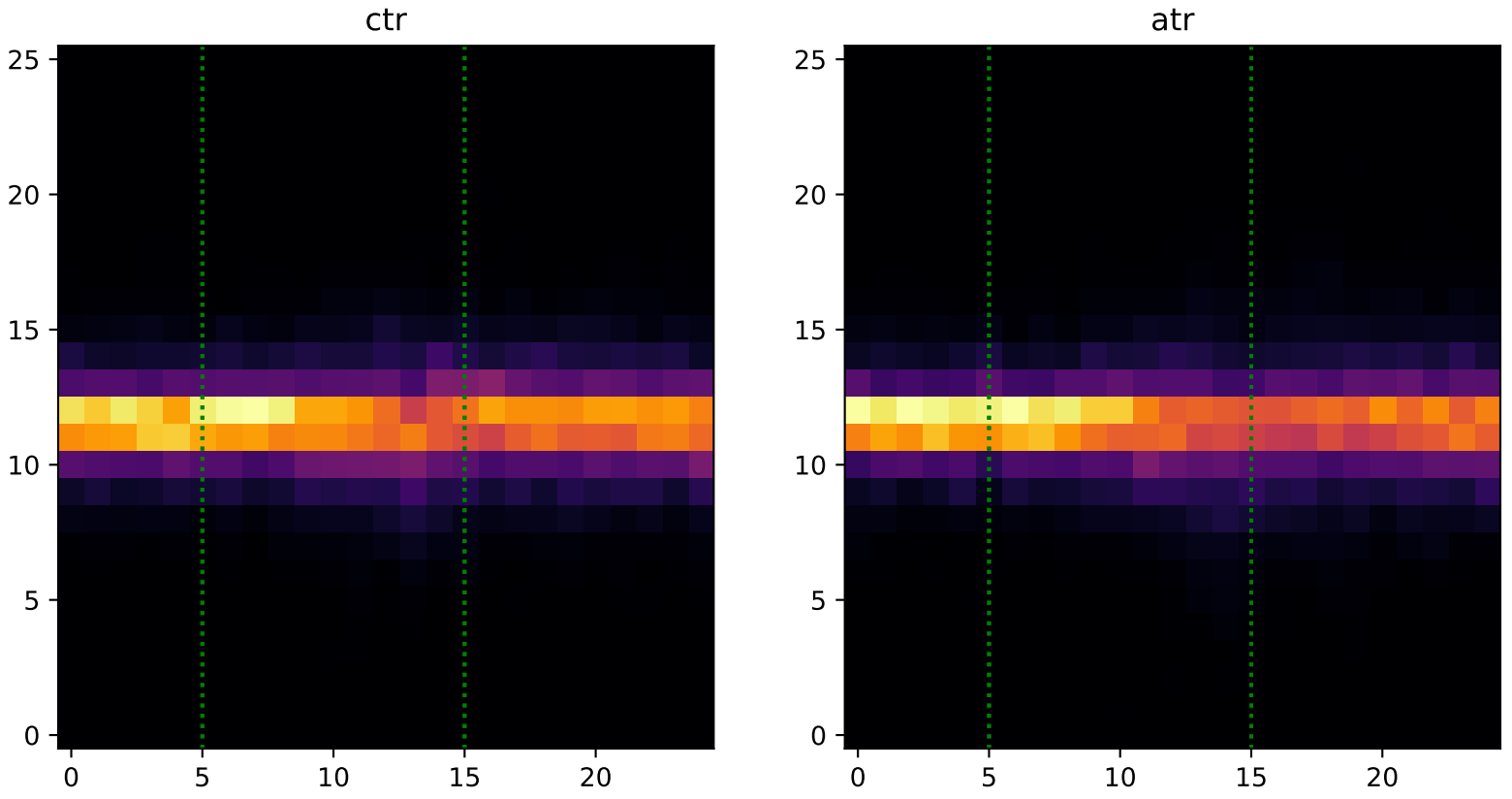

d_dist_from_food_edge | pval:0.5637149028077754
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

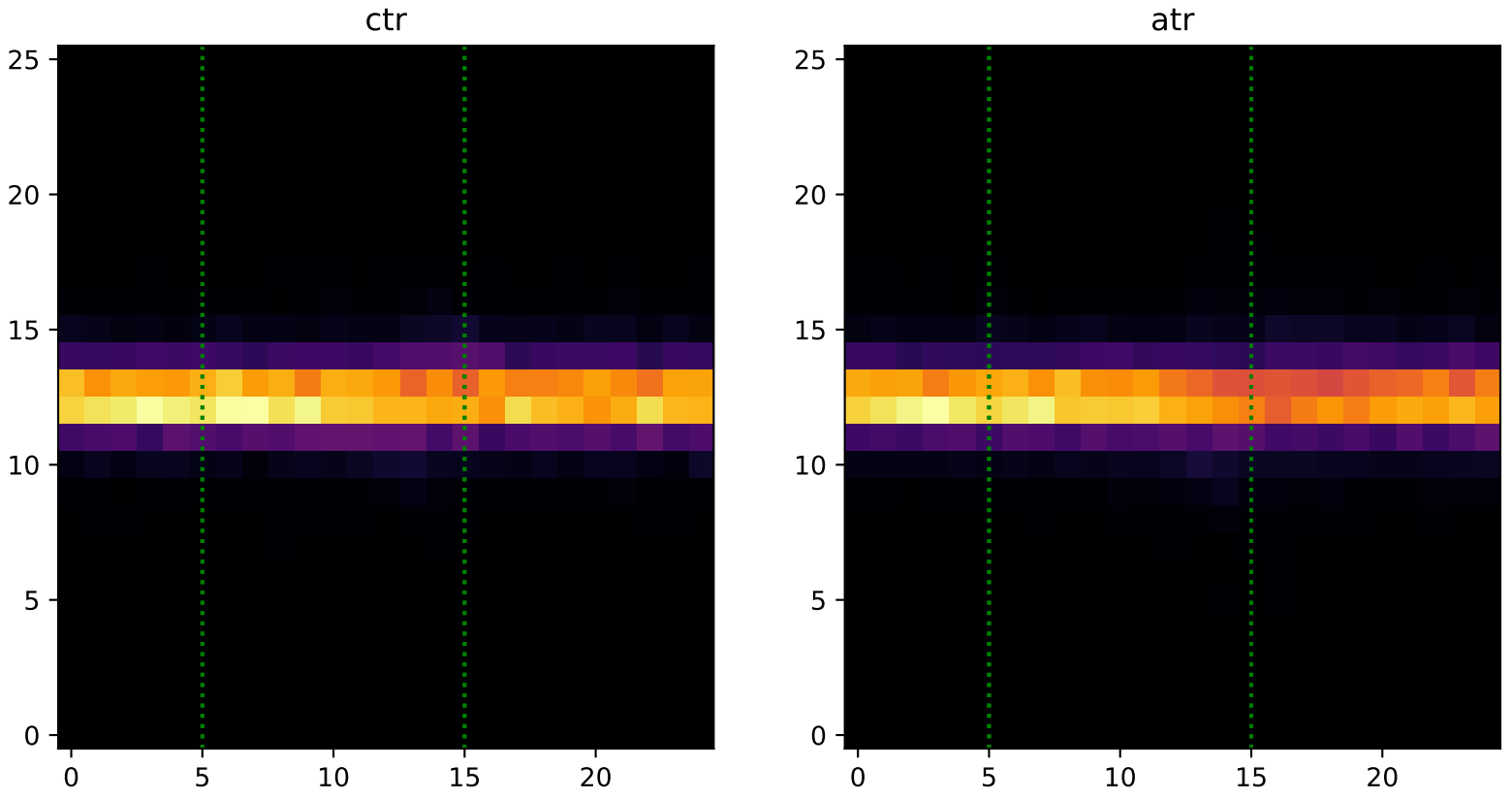

relative_to_body_radial_velocity_head_tip | pval:0.5658747300215983
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

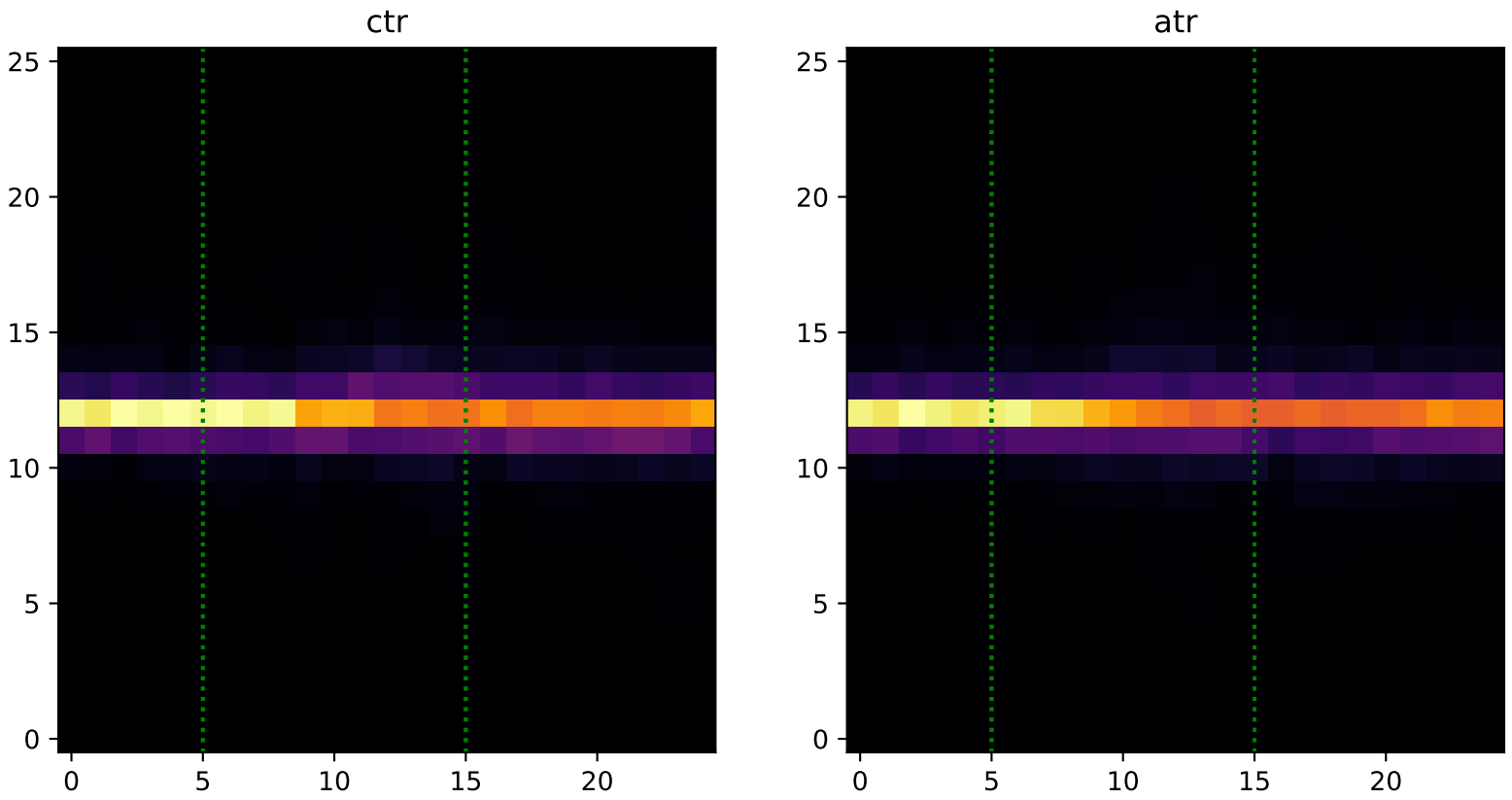

d_relative_to_neck_angular_velocity_head_tip | pval:0.5745140388768899
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

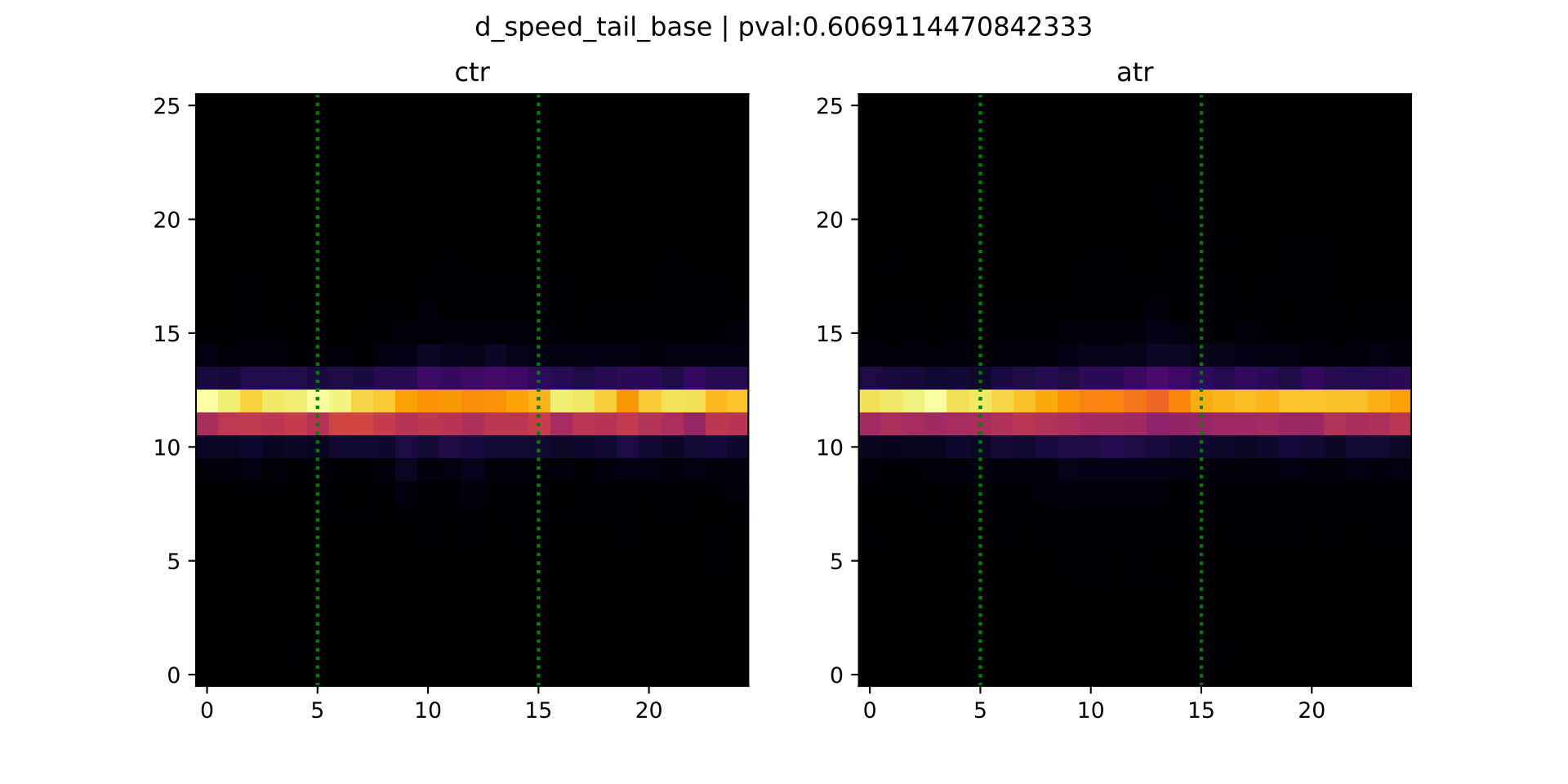

d_speed_neck | pval:0.5809935205183585
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

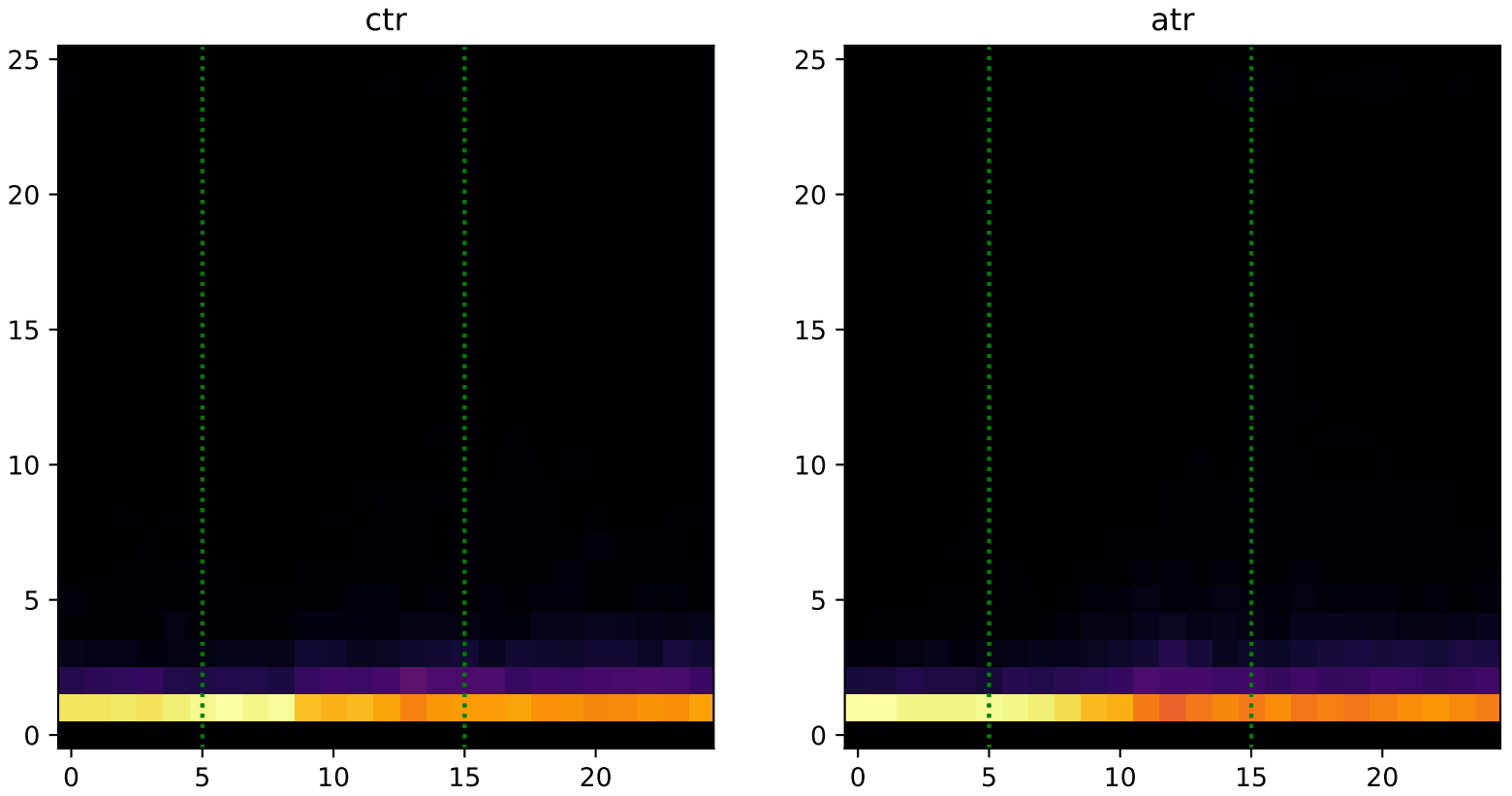

d_eigen_projection_4 | pval:0.5853131749460043
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

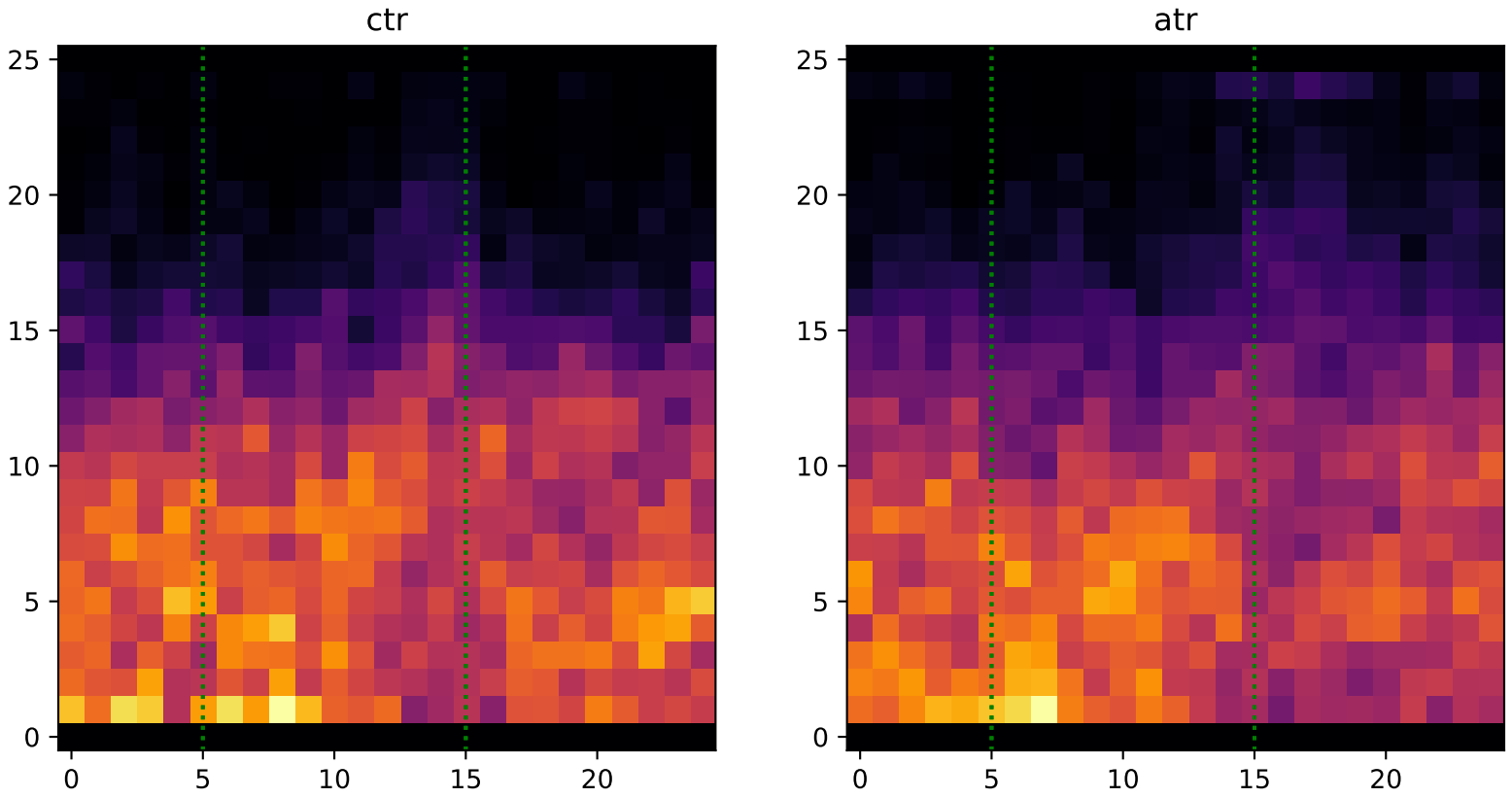

relative_to_neck_radial_velocity_head_tip | pval:0.593952483801296
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

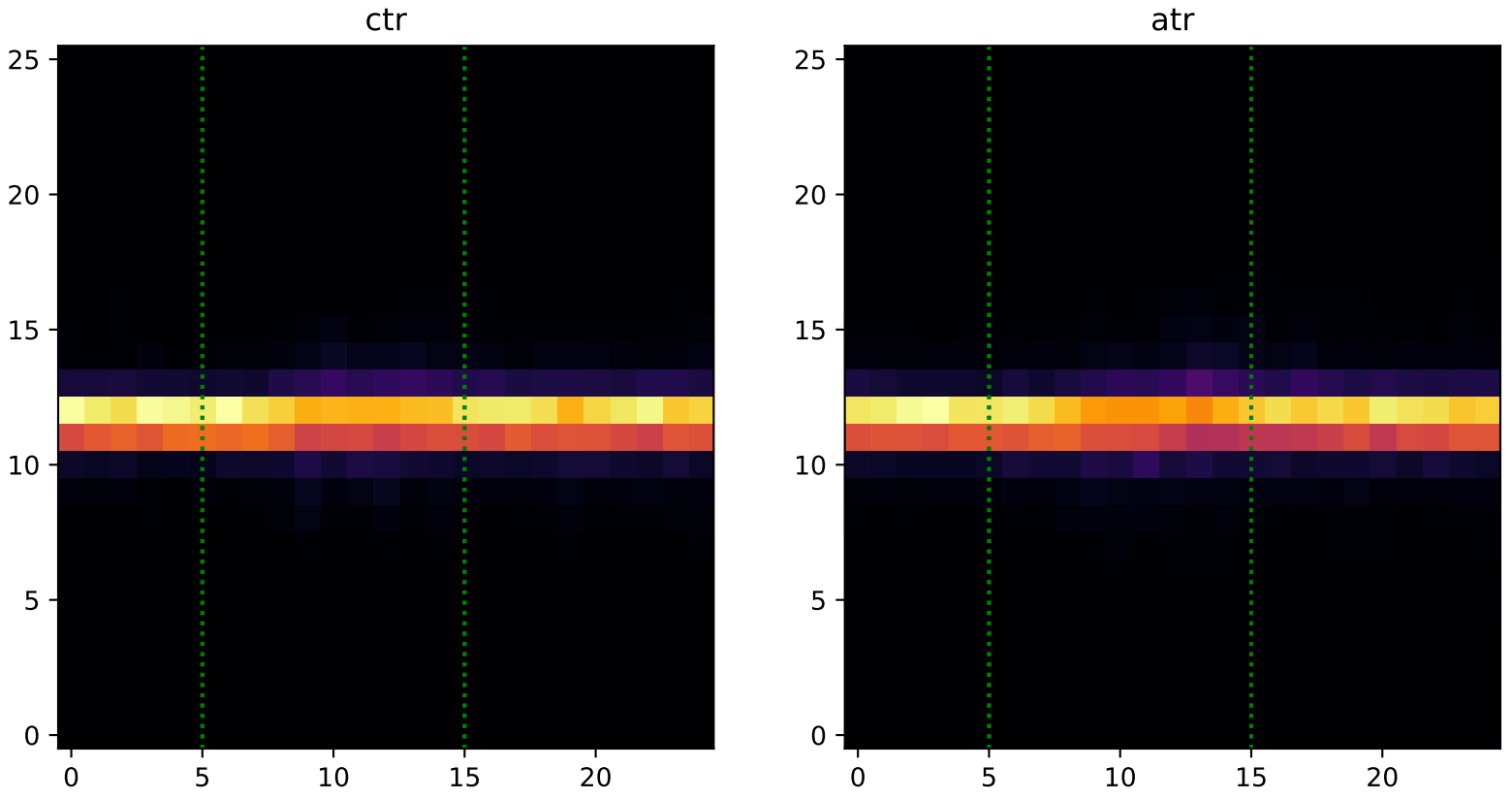

relative_to_head_base_radial_velocity_head_tip | pval:0.6004319654427646
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

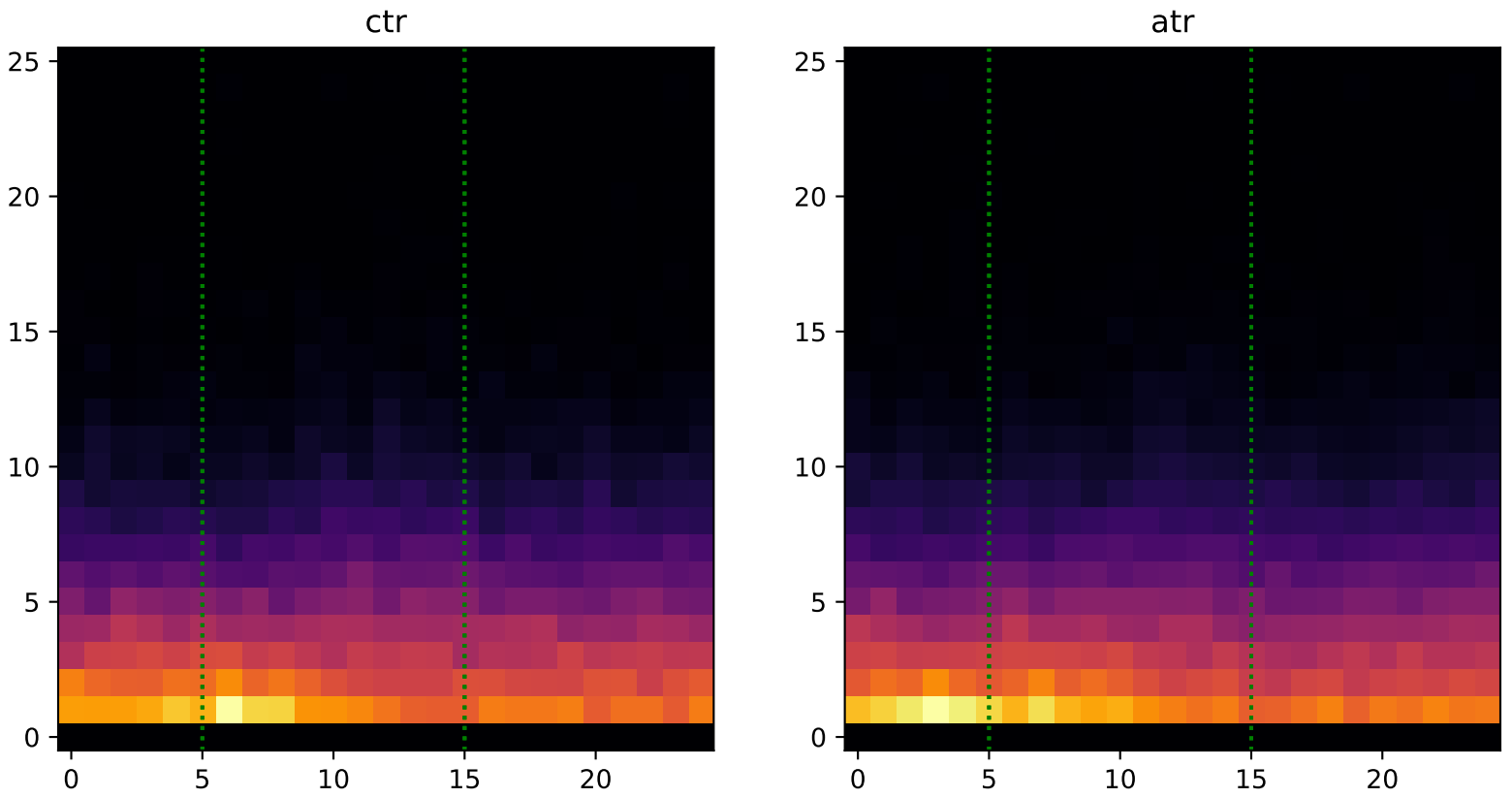

d_minor_axis | pval:0.6025917926565875
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

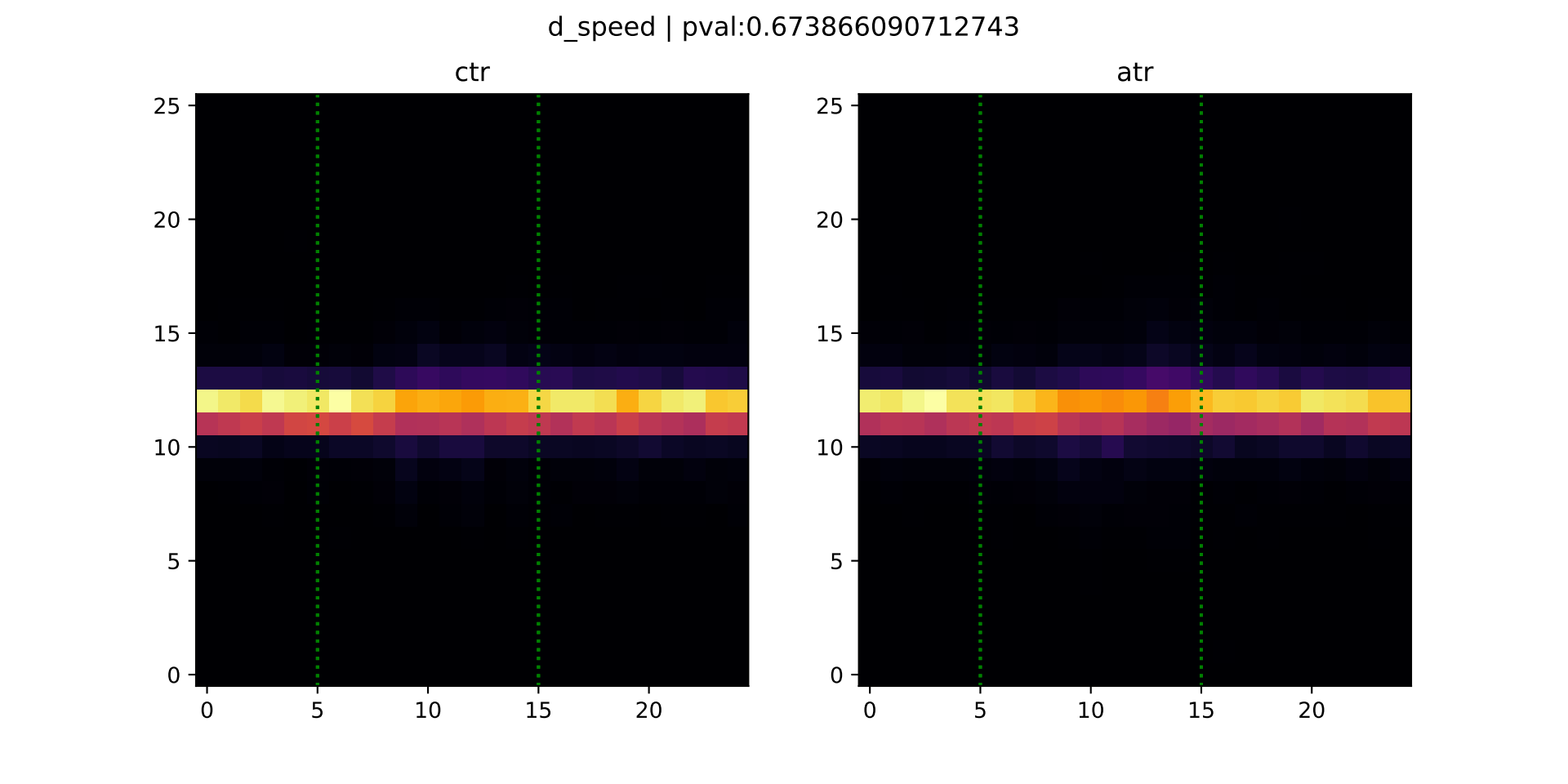

d_speed_tail_base | pval:0.6069114470842333
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

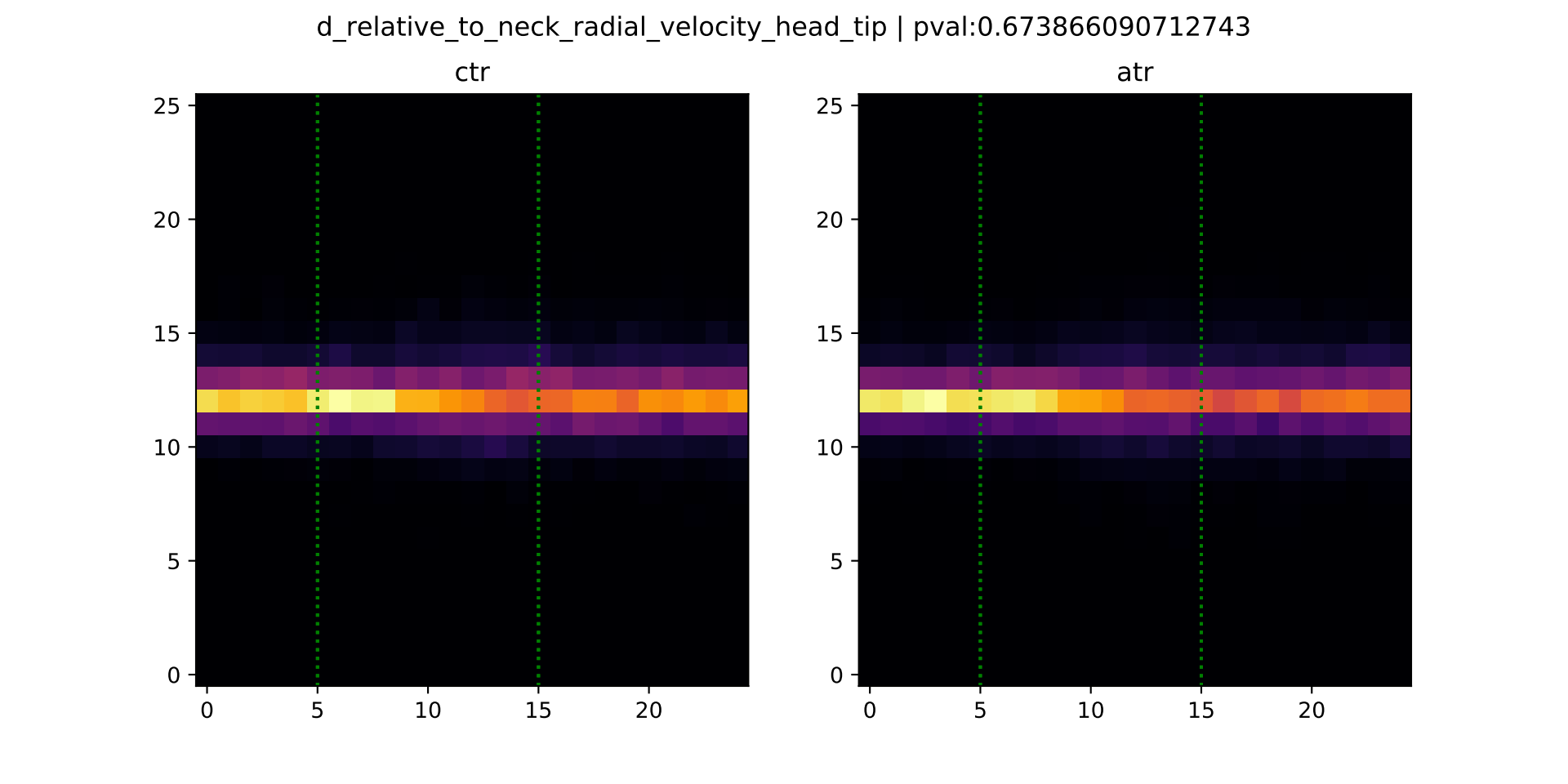

angular_velocity | pval:0.6133909287257019
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

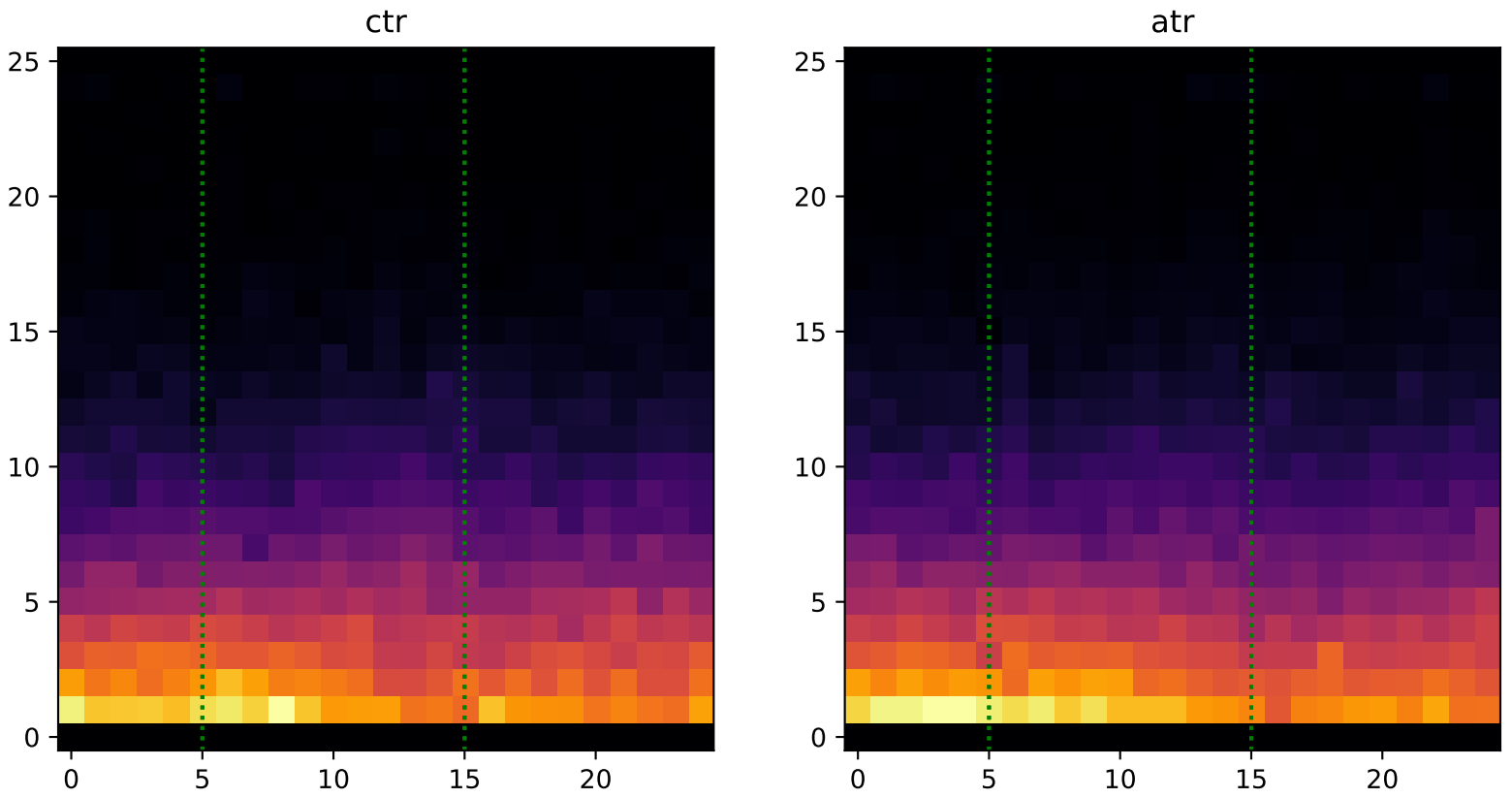

curvature_head | pval:0.6241900647948164
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

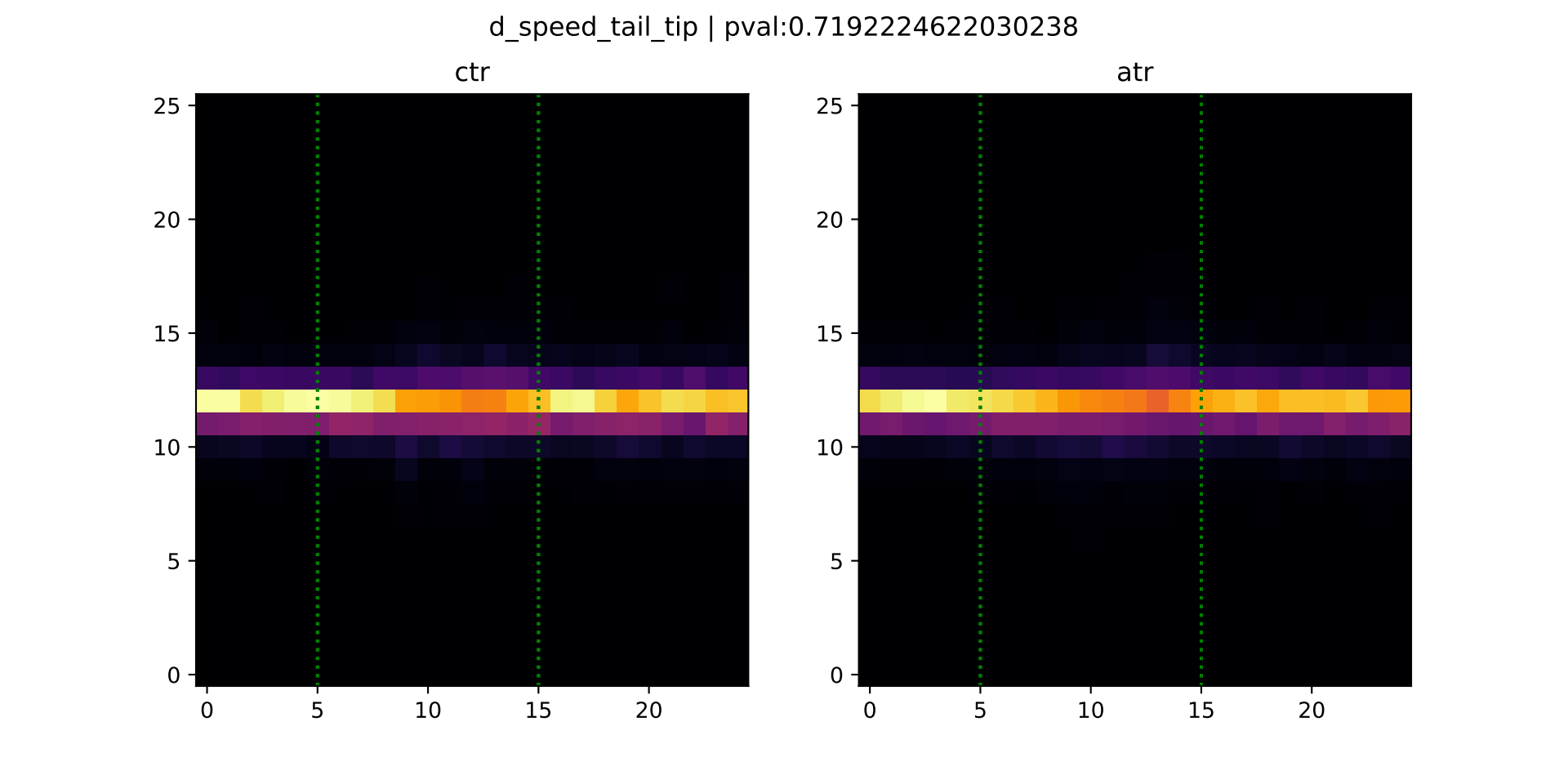

d_speed_midbody | pval:0.6630669546436285
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

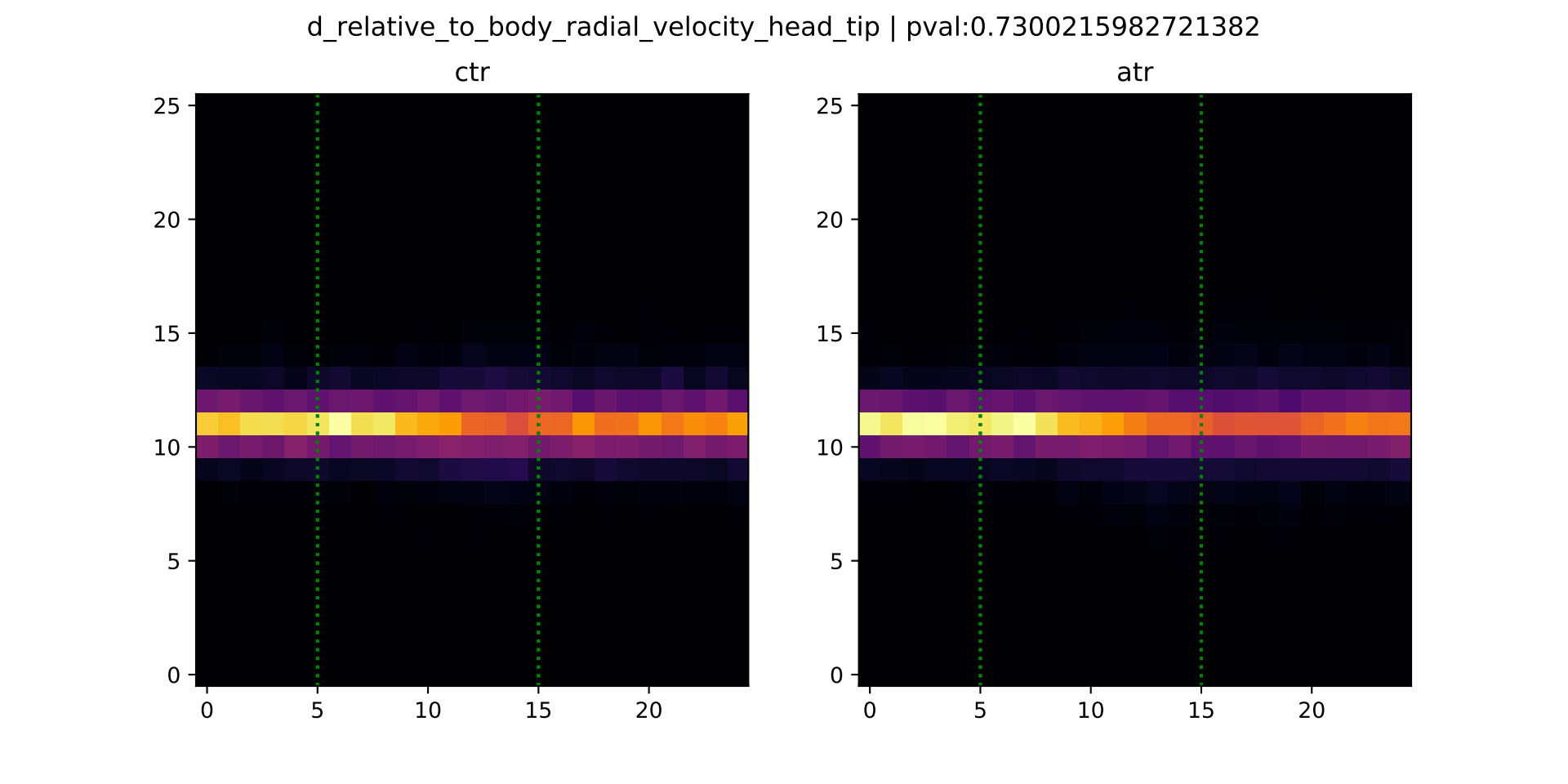

d_eigen_projection_6 | pval:0.6673866090712743
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

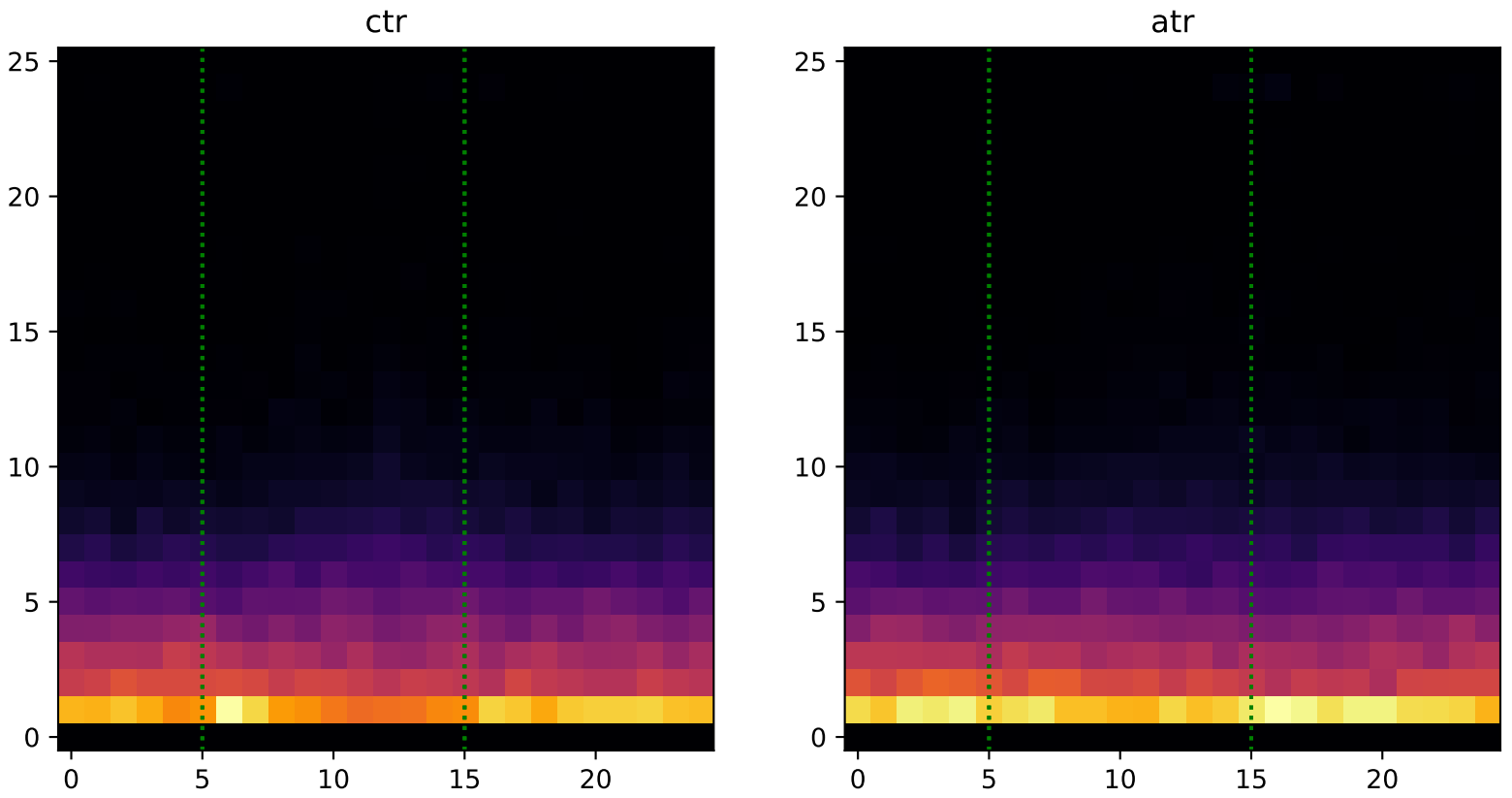

d_speed | pval:0.673866090712743
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

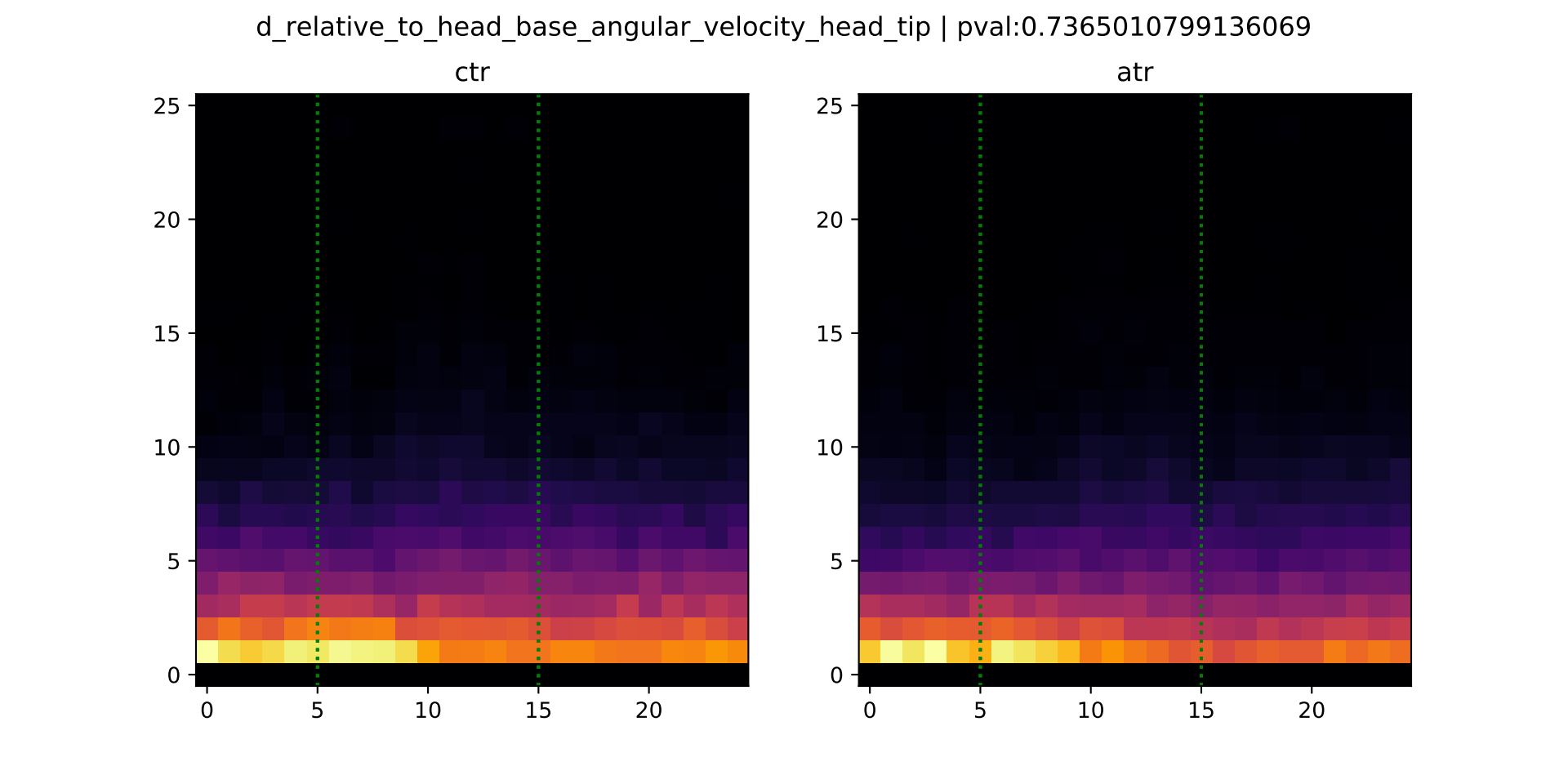

d_relative_to_neck_radial_velocity_head_tip | pval:0.673866090712743
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

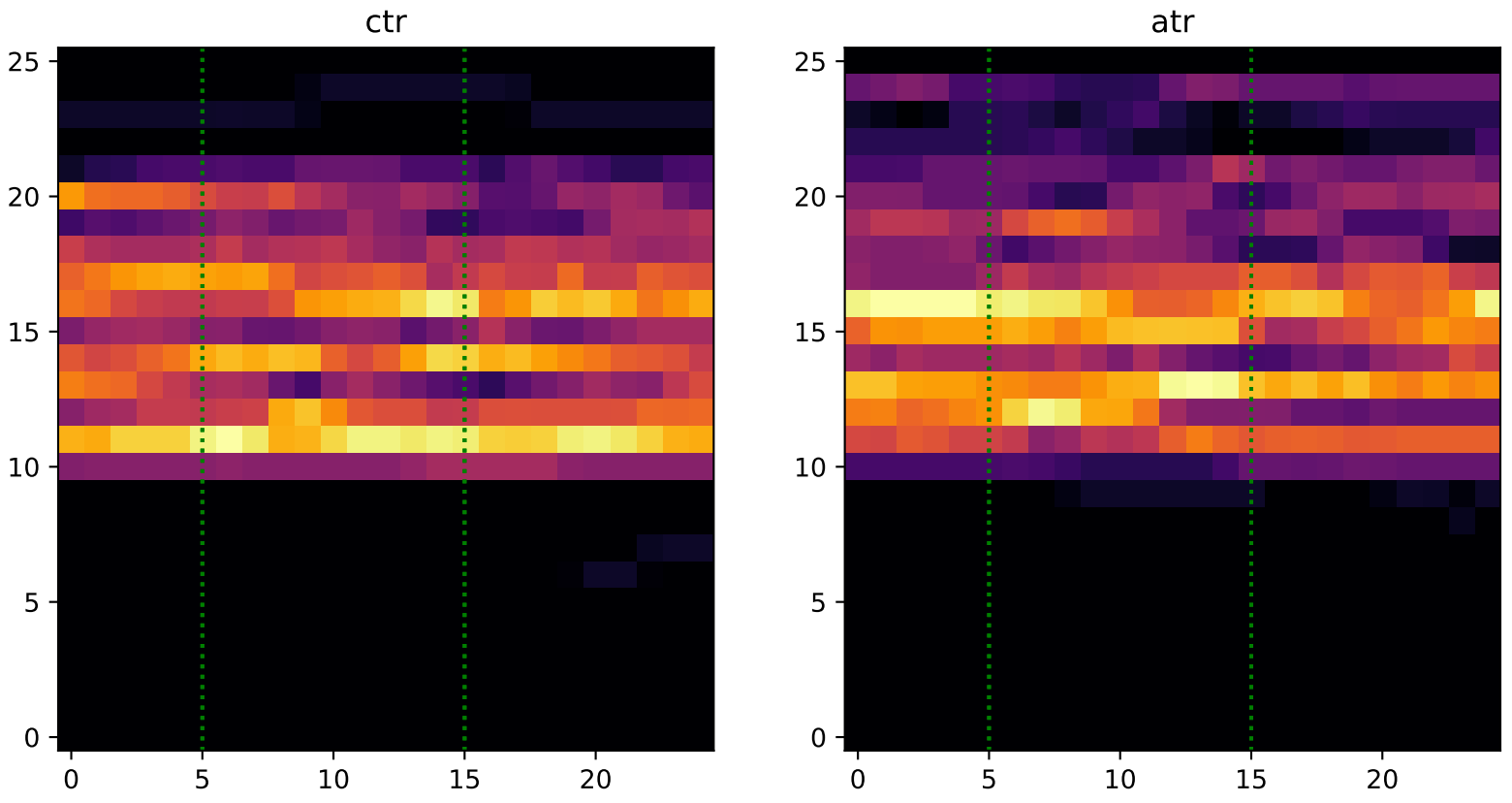

d_eigen_projection_7 | pval:0.6954643628509719
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

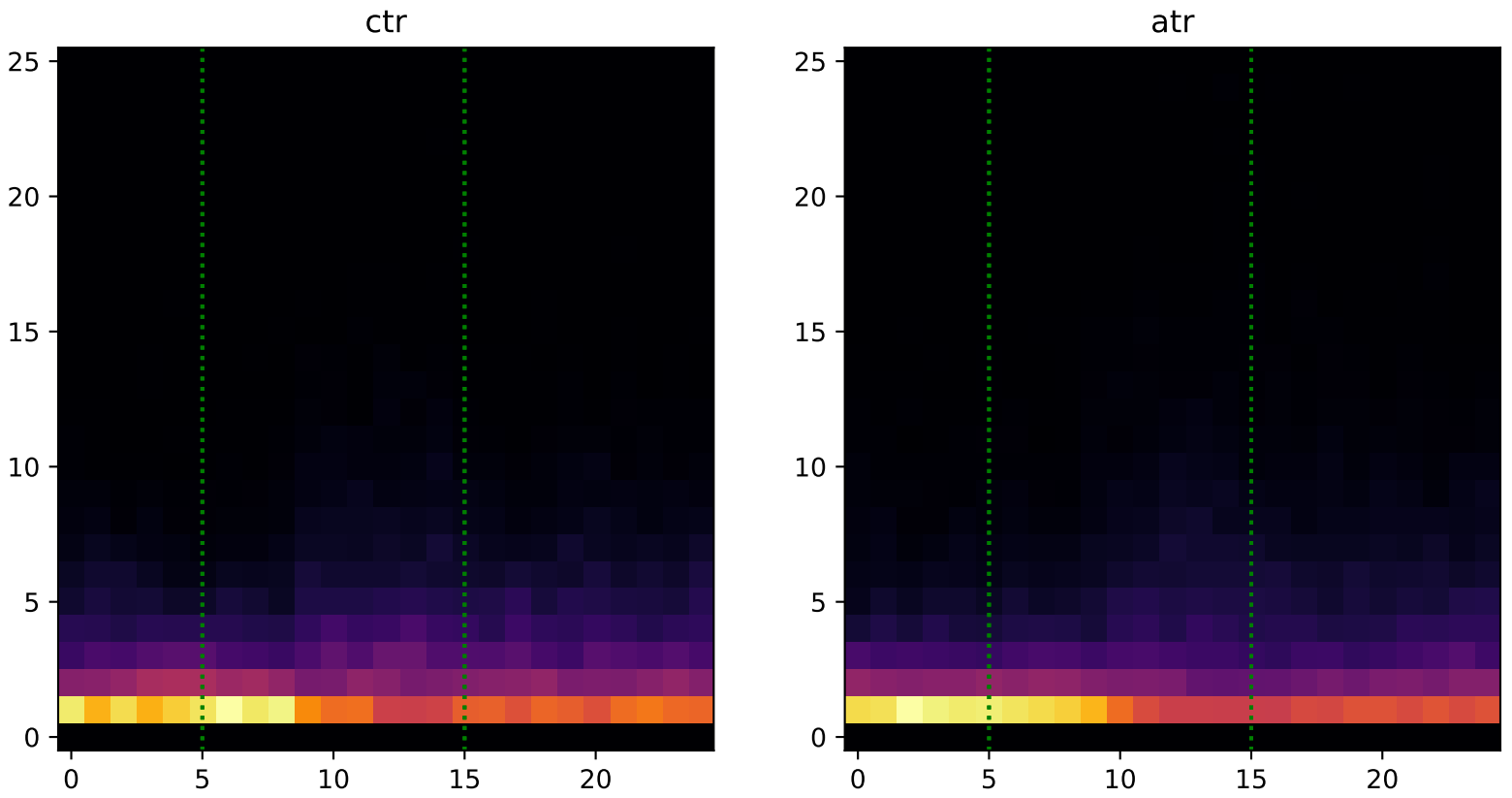

d_speed_tail_tip | pval:0.7192224622030238
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

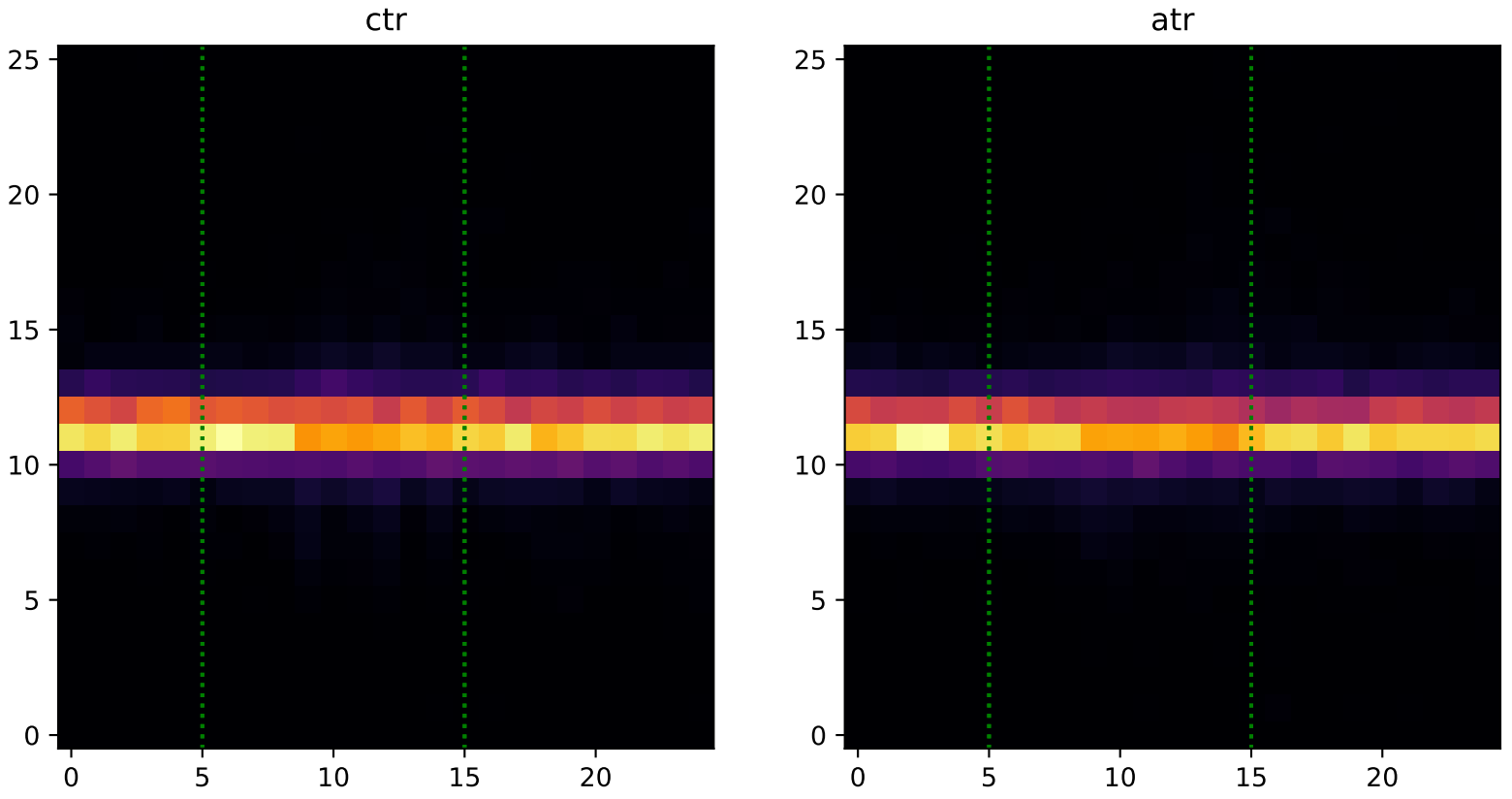

d_relative_to_body_radial_velocity_head_tip | pval:0.7300215982721382
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

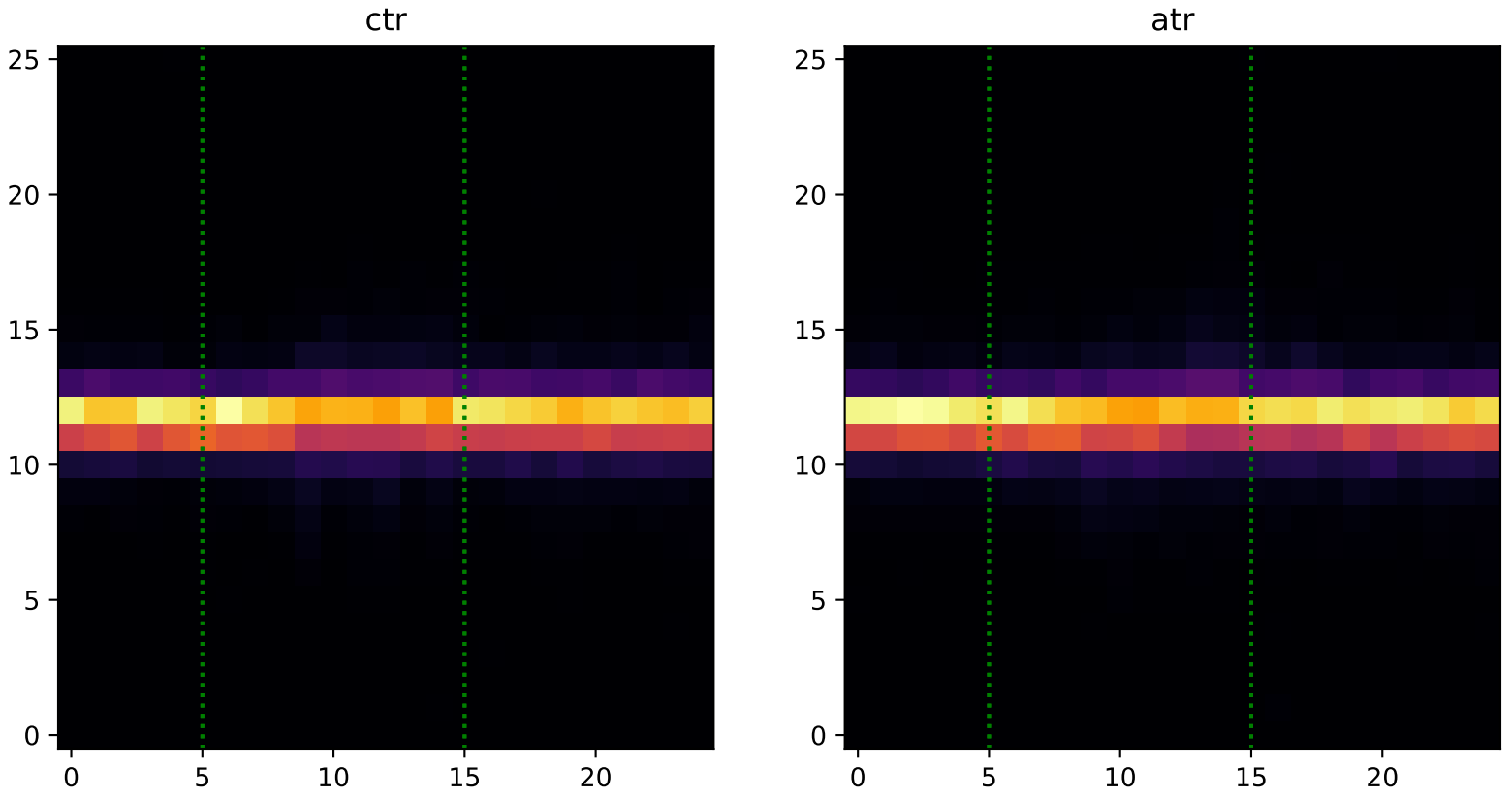

d_angular_velocity_head_tip | pval:0.7321814254859611
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

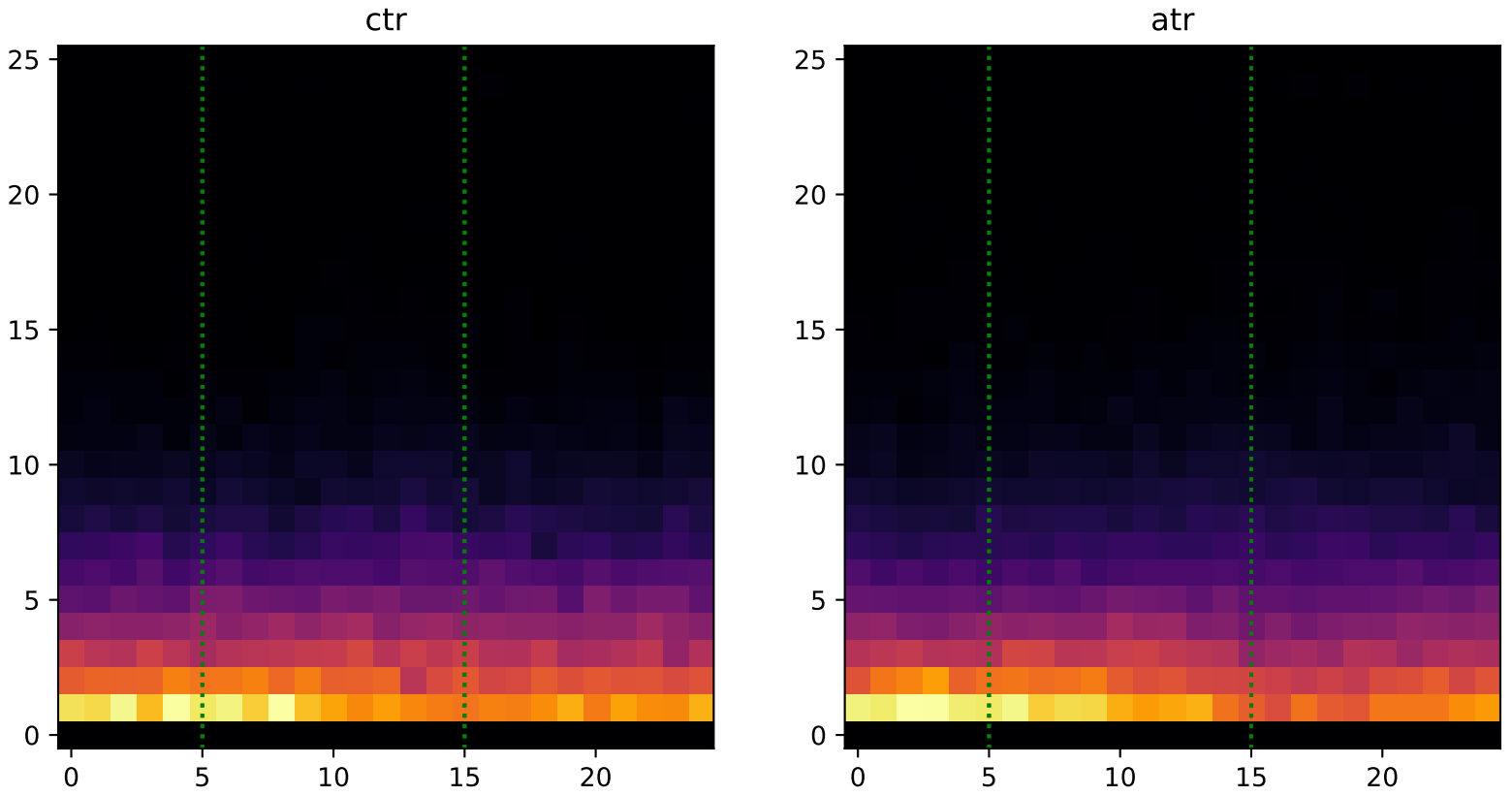

d_relative_to_head_base_angular_velocity_head_tip | pval:0.7365010799136069
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

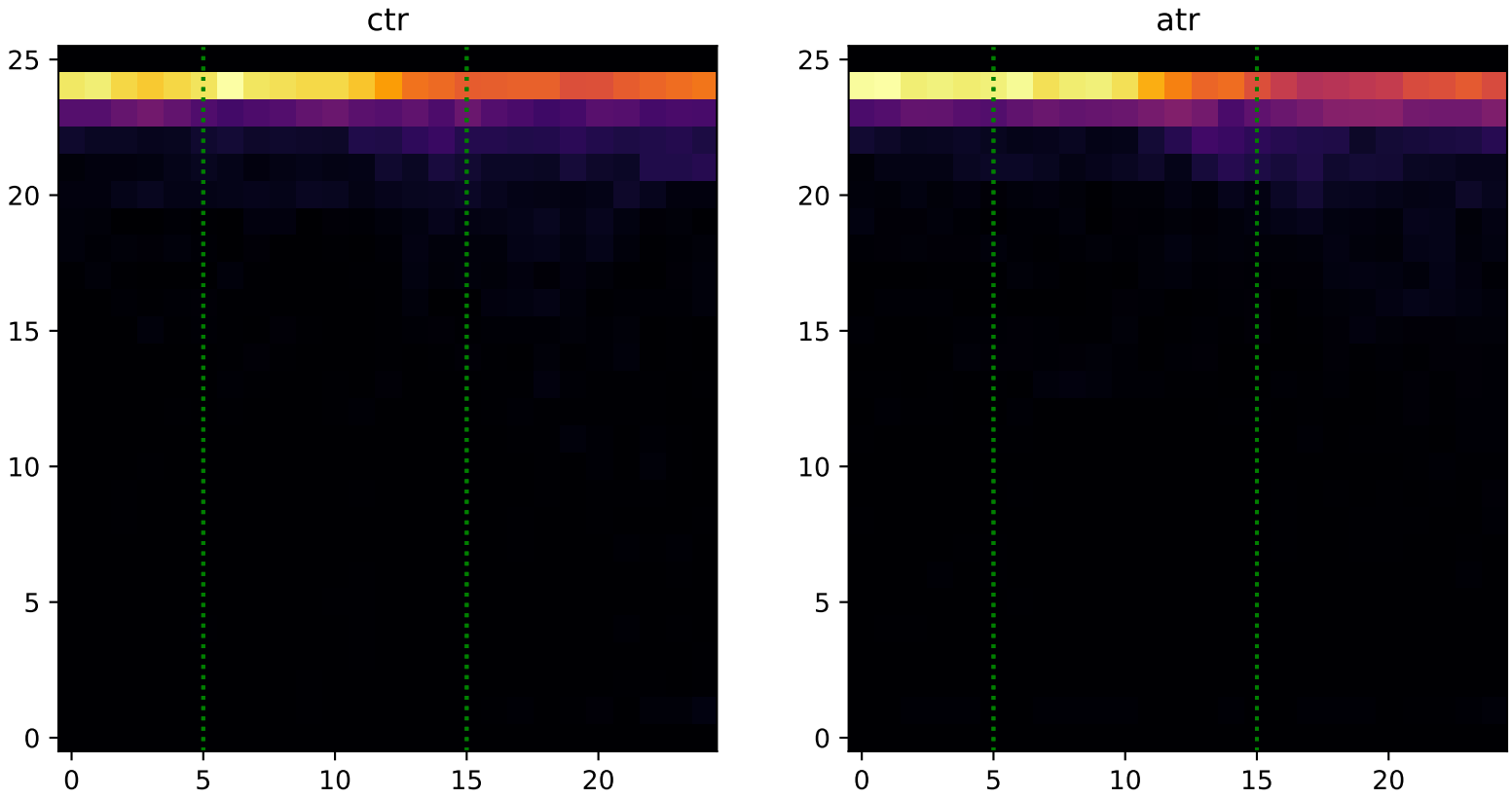

dist_from_food_edge | pval:0.7429805615550756
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

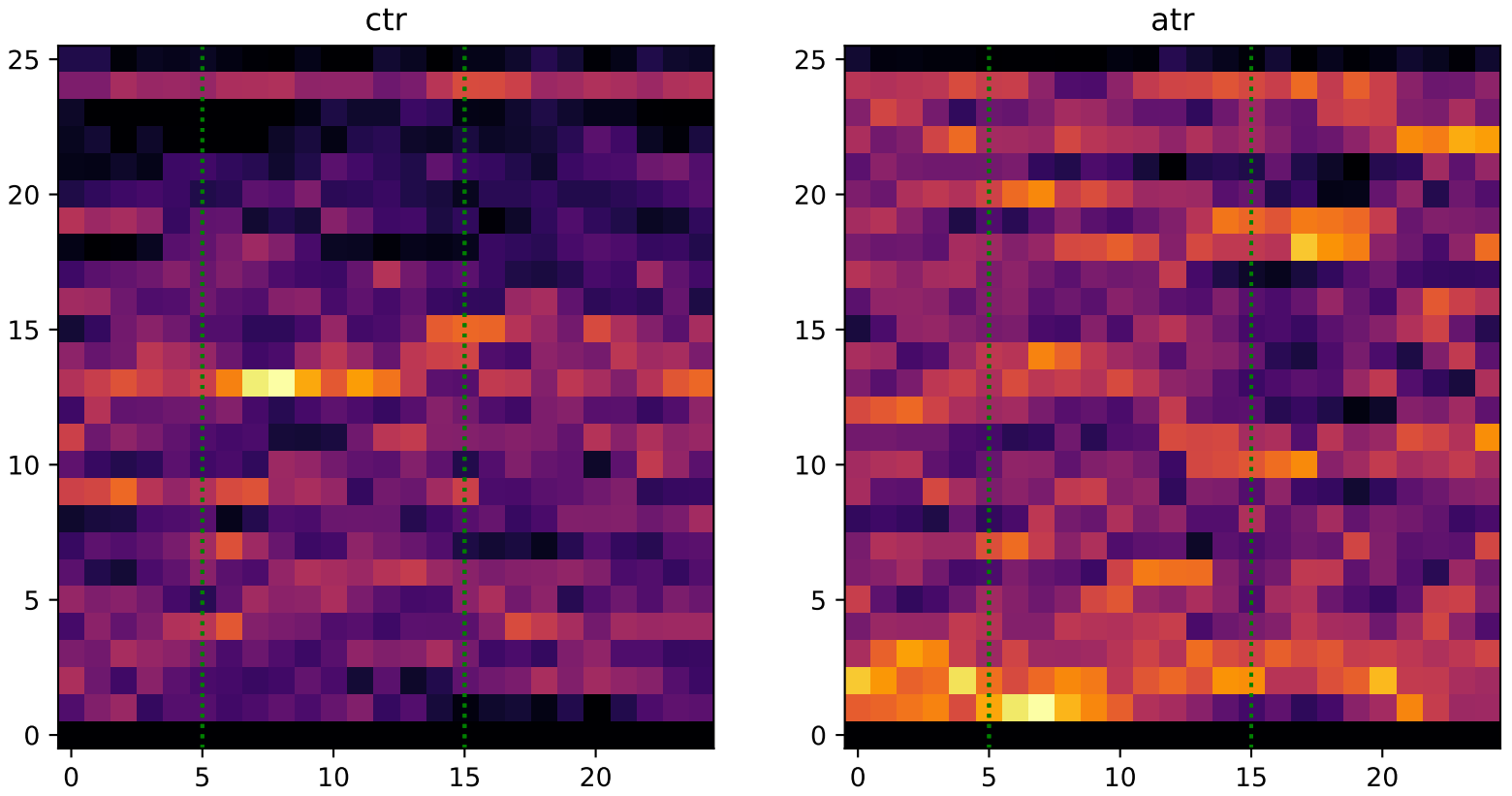

d_eigen_projection_1 | pval:0.7580993520518359
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

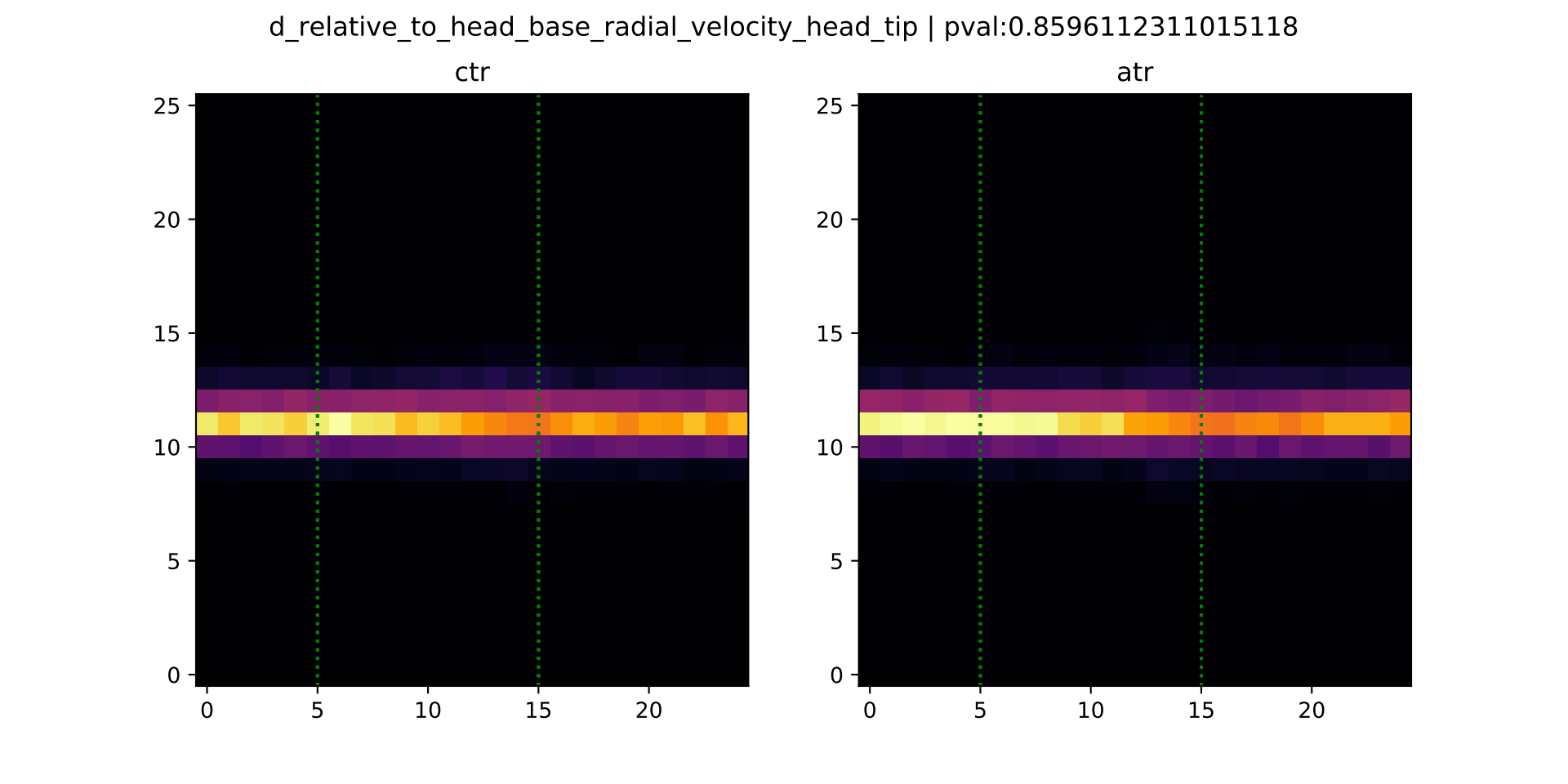

d_speed_head_tip | pval:0.7818574514038877
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

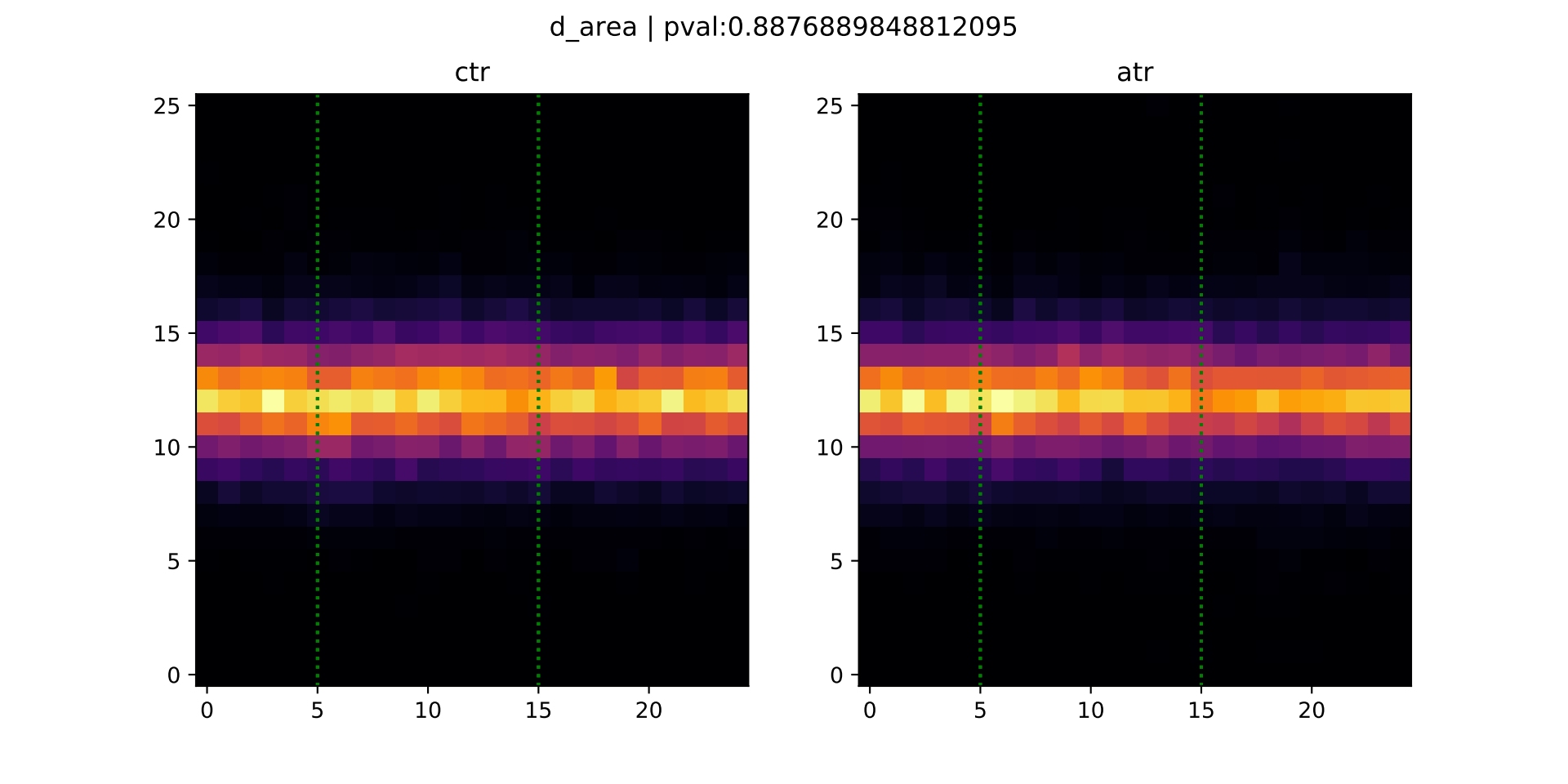

d_speed_head_base | pval:0.7948164146868251
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

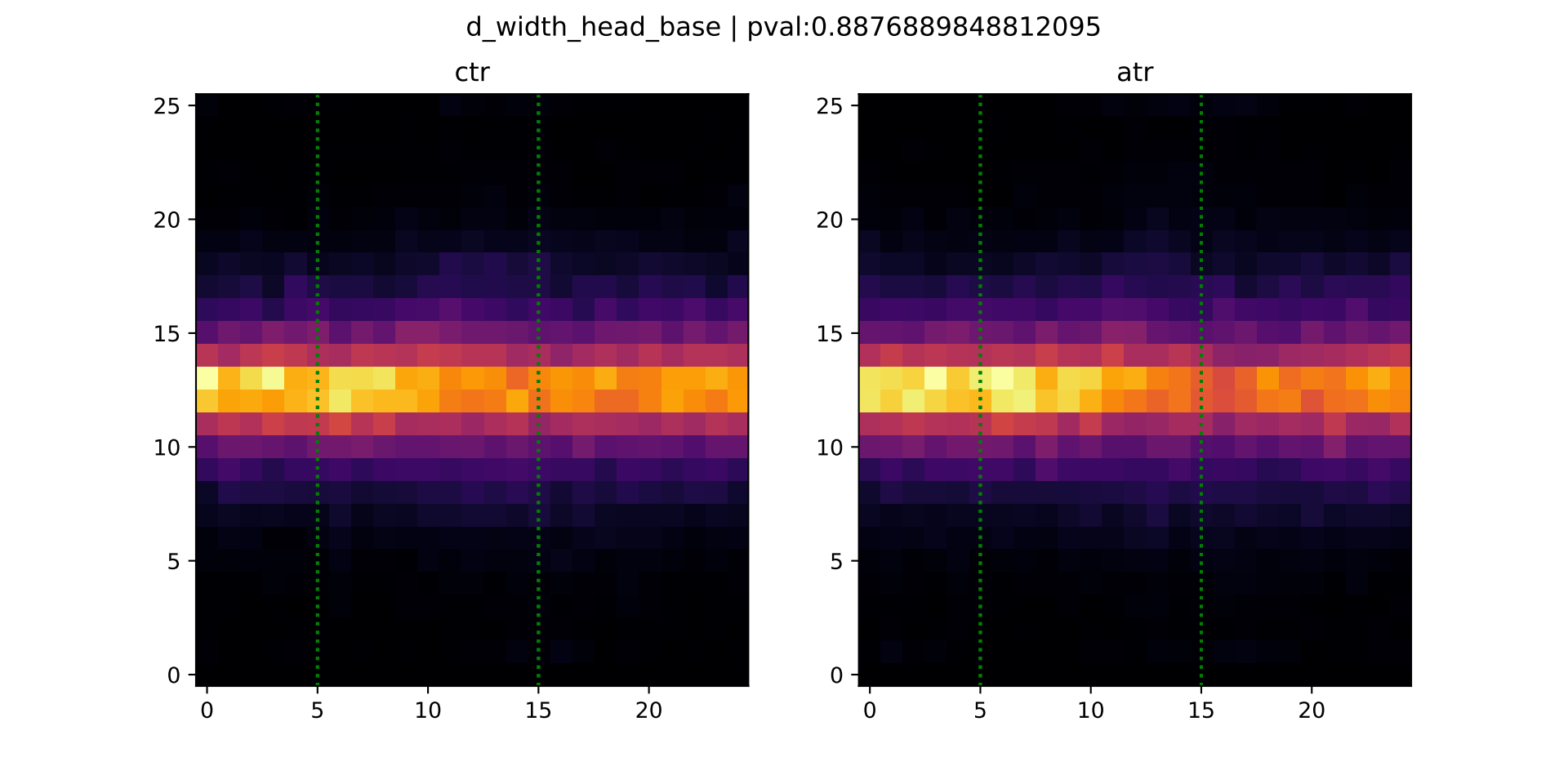

d_curvature_std_head | pval:0.8185745140388769
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

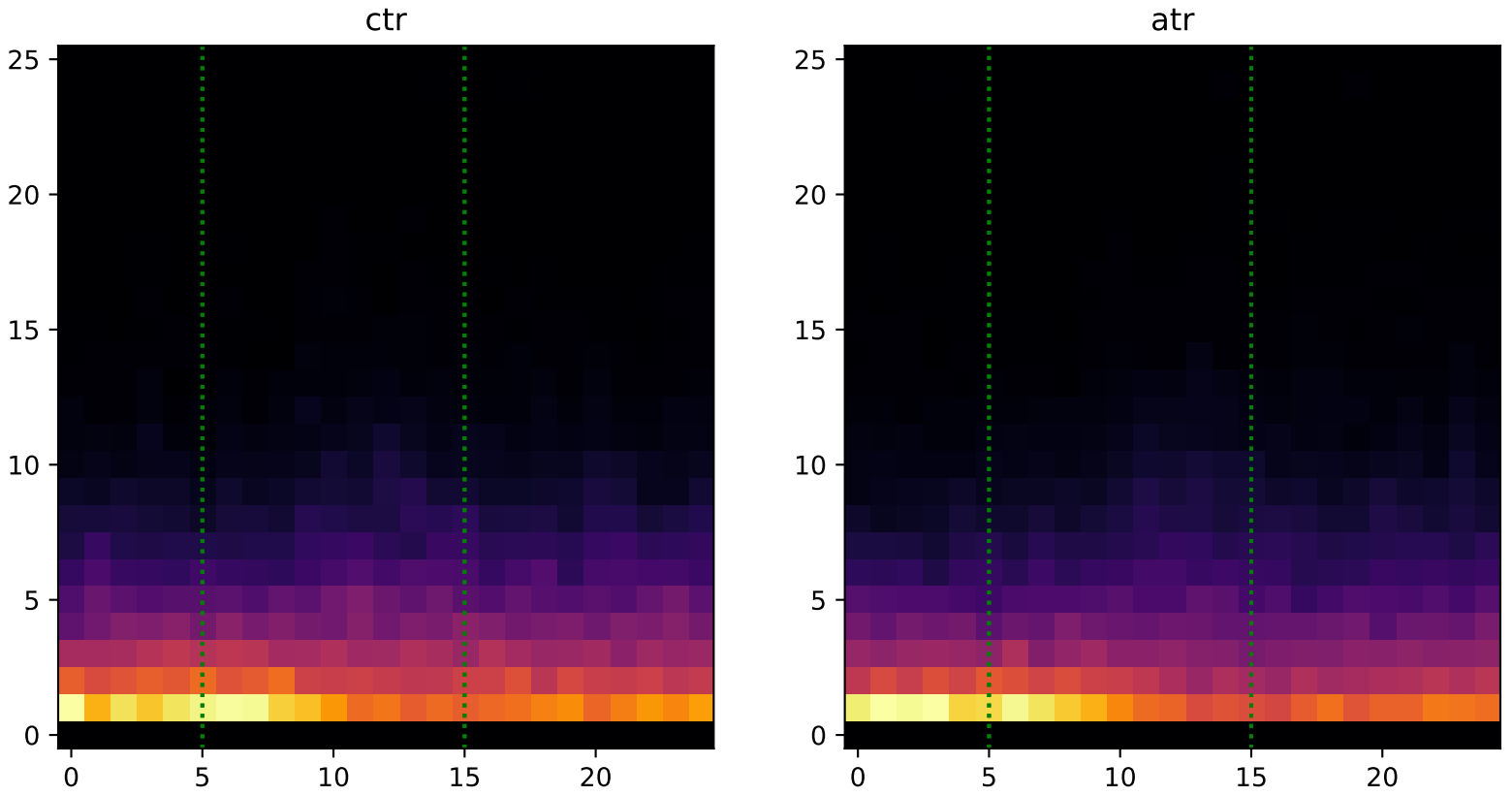

quirkiness | pval:0.8272138228941684
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

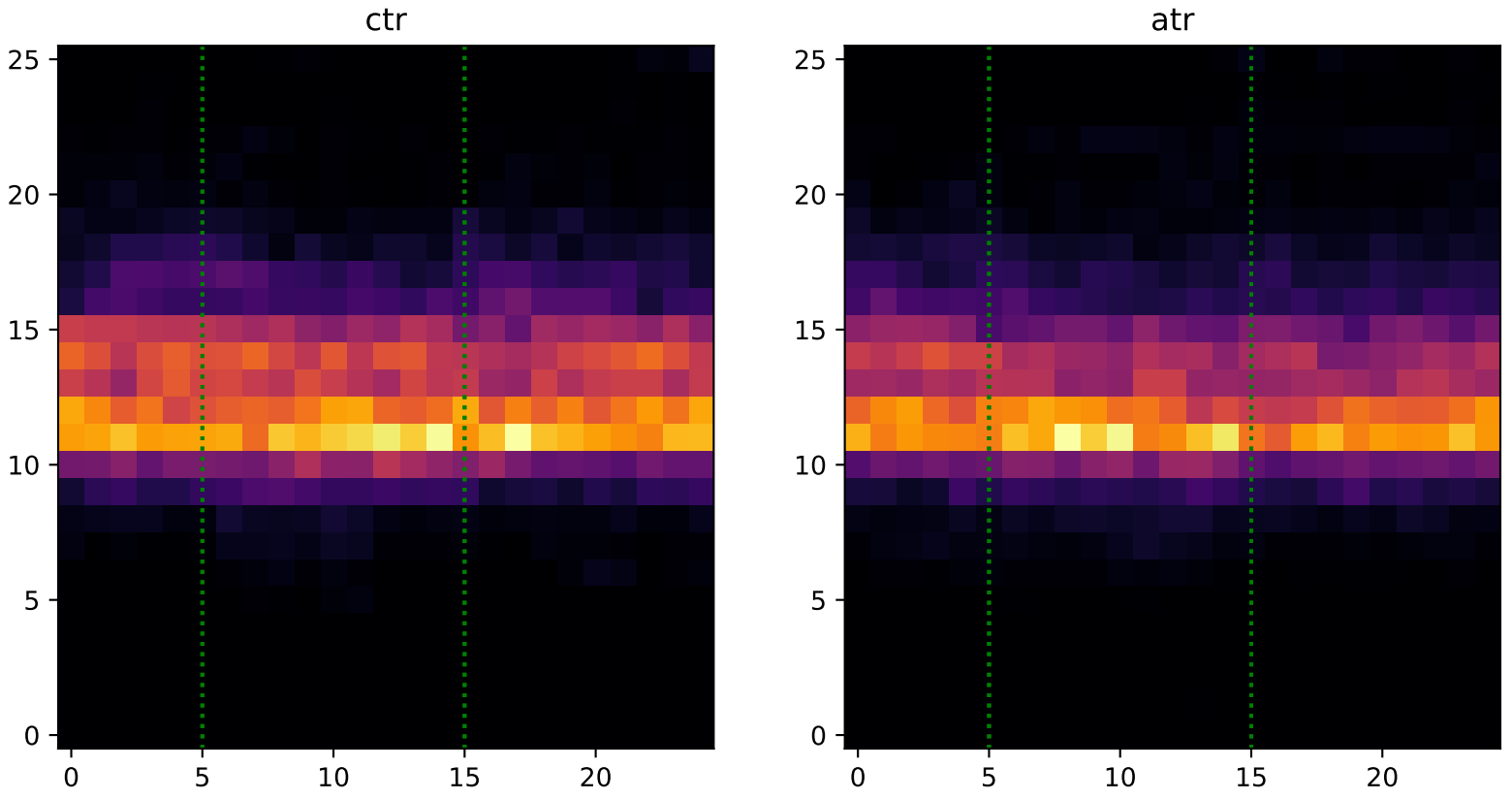

orientation_food_edge | pval:0.8358531317494601
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

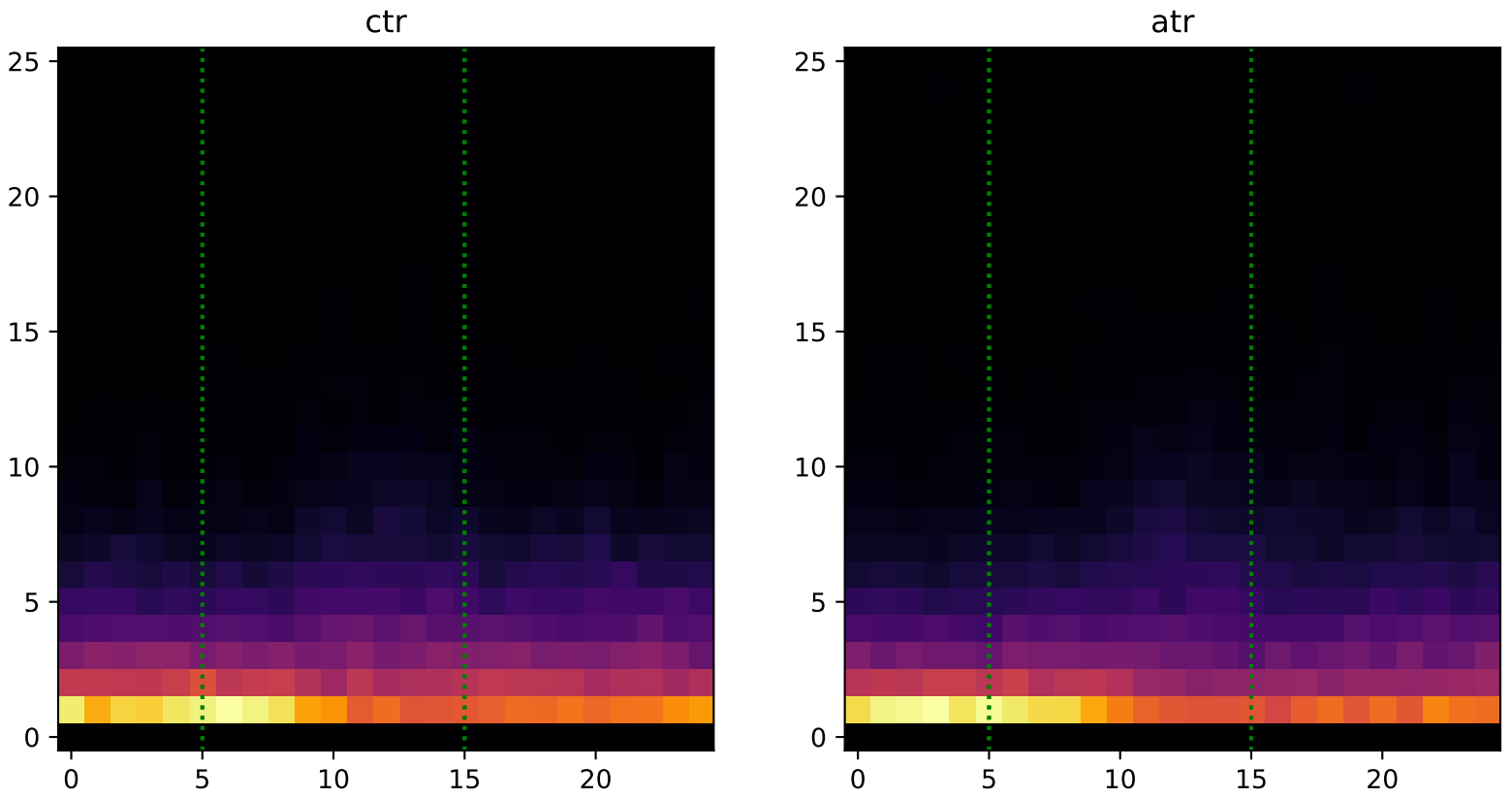

d_relative_to_head_base_radial_velocity_head_tip | pval:0.8596112311015118
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

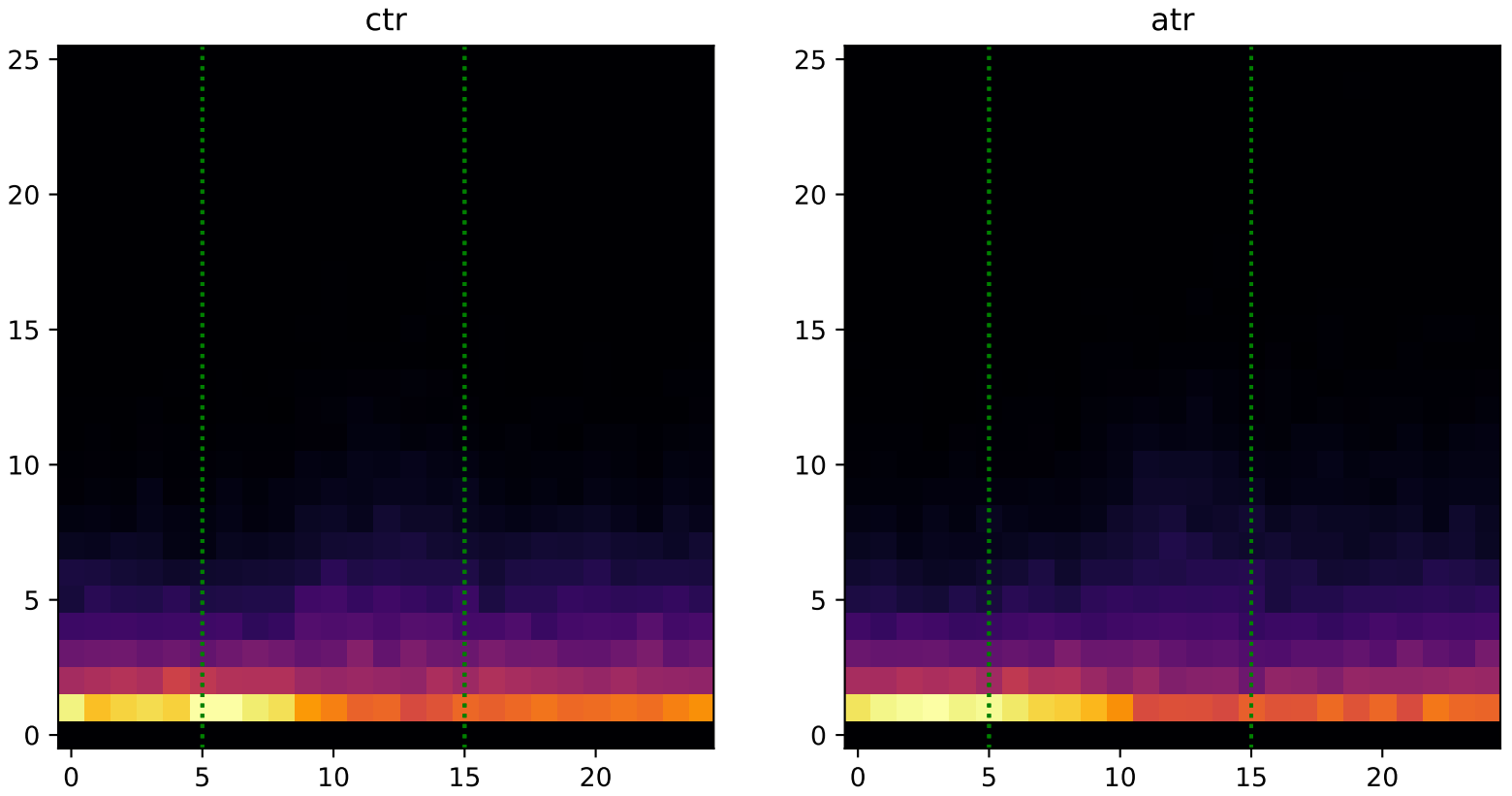

d_area | pval:0.8876889848812095
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

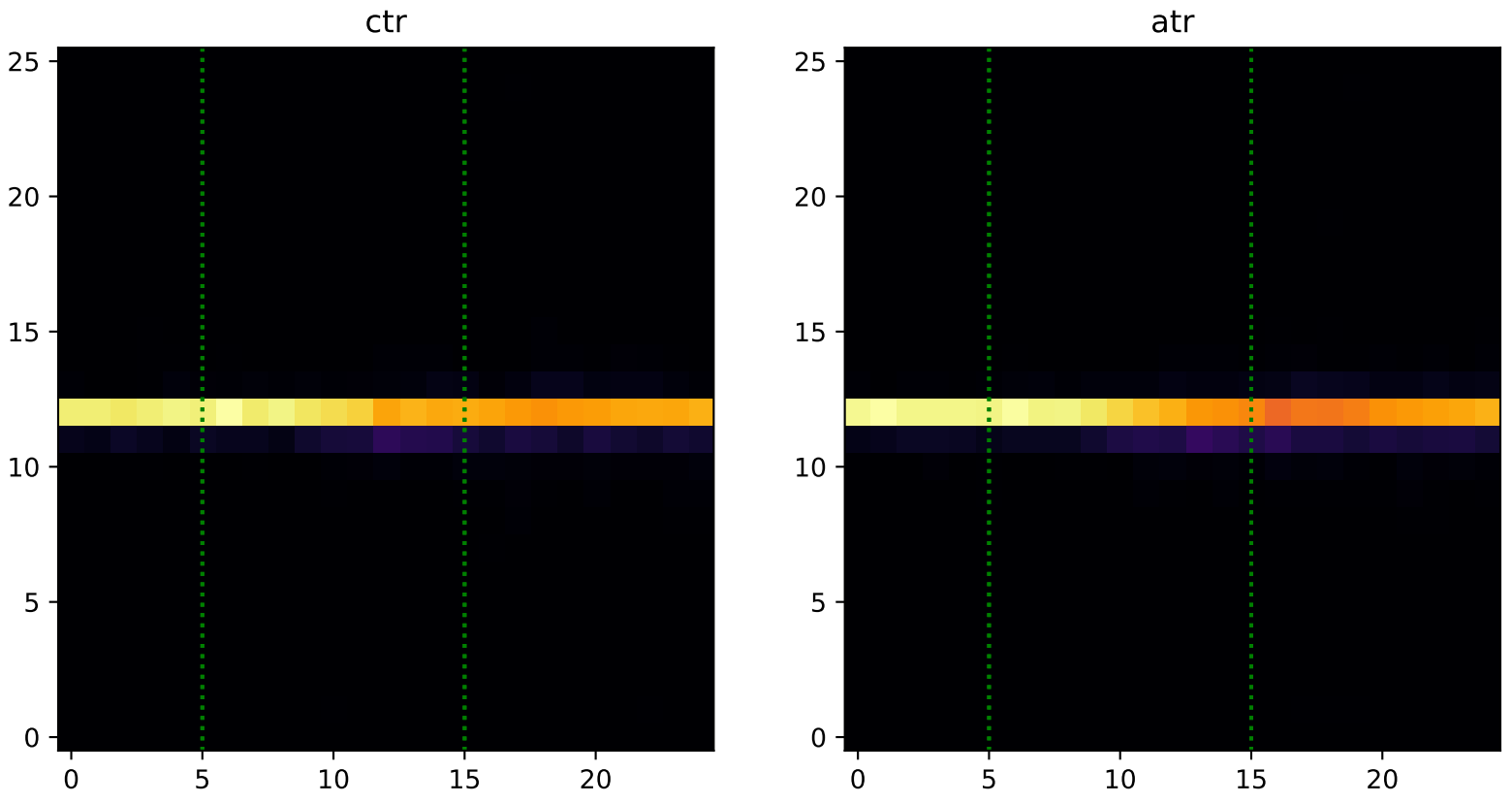

d_width_head_base | pval:0.8876889848812095
ctr
atr
25
20
15
10
5
0
0
5
10
15
20

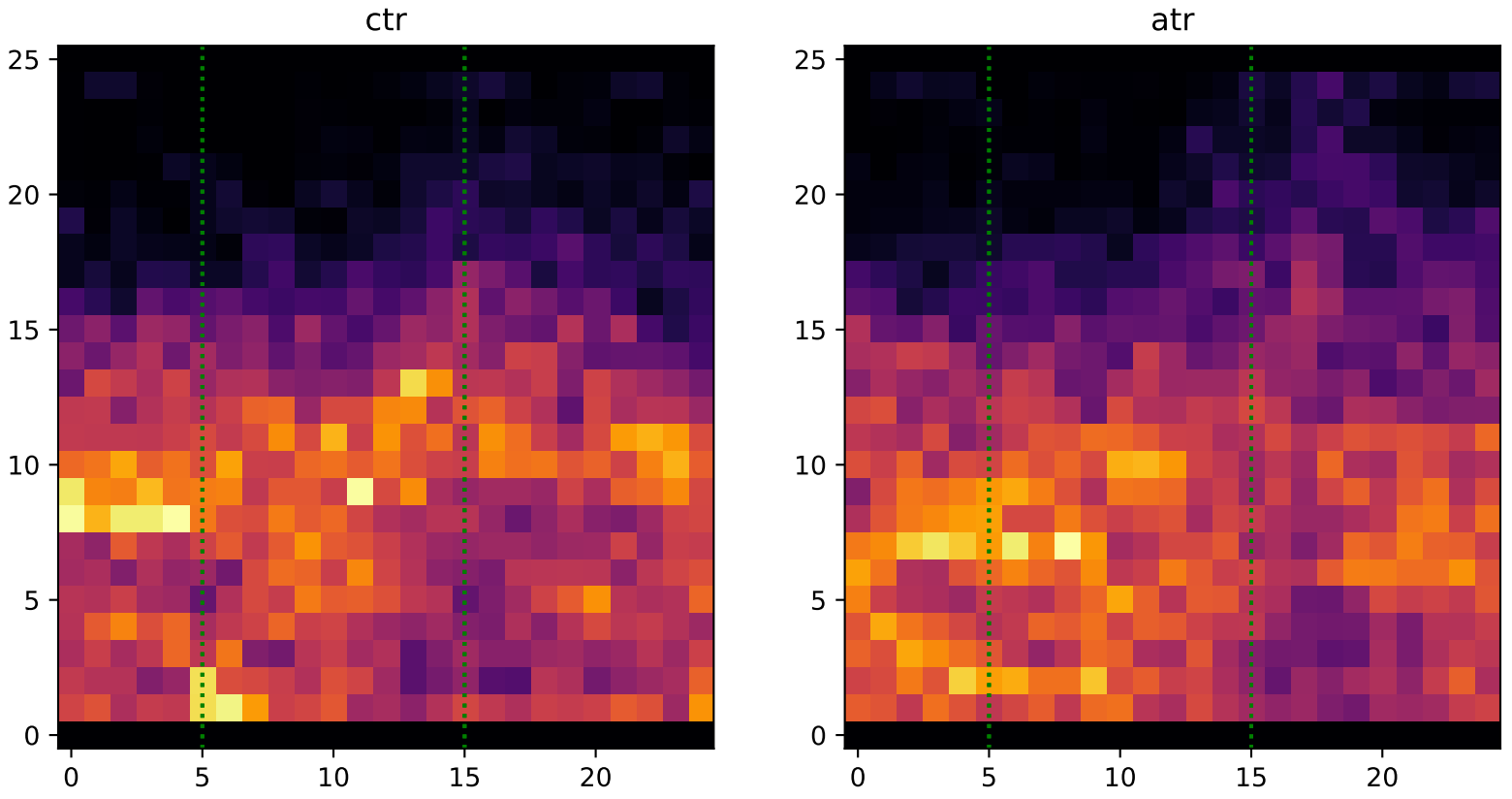

relative_to_head_base_angular_velocity_head_tip | pval:0.9114470842332614
ctr
atr
25
20
15
10
5
0
0
5
10
15
20


width_tail_base | pval:0.9287257019438445
ctr
atr
25
20
15
10
5
0
0
5
10
15
20


d_curvature_head | pval:0.9308855291576674
ctr
atr
25
20
15
10
5
0
0
5
10
15
20


d_curvature_mean_head | pval:0.9438444924406048
ctr
atr
25
20
15
10
5
0
0
5
10
15
20


d_quirkiness | pval:0.9481641468682506
ctr
atr
25
20
15
10
5
0
0
5
10
15
20


curvature_mean_neck | pval:0.9654427645788337
ctr
atr
25
20
15
10
5
0
0
5
10
15
20