lme_mods

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Packages & Setup

```
# install.packages(c("tidyverse","purrr","R.matlab","readxl","dplyr"))
library(readxl);
library(purrr)
library(tidyverse);
```

```
## -- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
## v dplyr     1.1.4     v readr     2.1.5
## v forcats   1.0.0     v stringr   1.5.1
## v ggplot2   3.5.0     v tibble    3.2.1
## v lubridate 1.9.3     v tidyr     1.3.1
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
library(tibble)
library(knitr);
library(gtsummary)
library(kableExtra)
```

```
##
## Attaching package: 'kableExtra'
##
## The following object is masked from 'package:dplyr':
##
##     group_rows
```

```
library(lme4)
```

```
## Loading required package: Matrix
##
## Attaching package: 'Matrix'
##
## The following objects are masked from 'package:tidyr':
##
##     expand, pack, unpack
```

GTSUMMARY THEME

```
# my_theme <-
#   list(
#     "tbl_summary-str:default_con_type" = "continuous2",
#     "tbl_summary-str:continuous_stat" = c(
#       "{median} ({p25} - {p75})",
#       "{mean} ({sd})",
#       "{min} - {max}"
#     ),
#     "tbl_summary-str:categorical_stat" = "{n} / {N} ({p}%)",
#     "style_number-arg:big.mark" = "",
#     "tbl_summary-fn:percent_fun" = function(x) style_percent(x, digits = 3)
#   )
# my_theme <-
#   list()
# gtsummary::set_gtsummary_theme(my_theme)
gtsummary::set_gtsummary_theme(theme_gtsummary_journal("jama"))
```

```
## Setting theme `JAMA`
## Setting theme `JAMA`
```

```
# reset_gtsummary_theme()
```

load table

```
# excel_dir <-"M:/jsalminen/GitHub/par_EEGProcessing/src/_data/MIM_dataset/_studies/04162024_MIM_YAOAN8
excel_dir <-"M:/jsalminen/GitHub/par_EEGProcessing/src/_data/MIM_dataset/_studies/04232024_MIM_YAOAN89_a
eegt <- read_excel(excel_dir,sheet="Sheet1")
```

get unique entries

```
clusters = unique(eegt$cluster_id);
subjects = unique(eegt$subj_char);
groups = unique(eegt$group_char);
kin_measures = c('mean_APexc_COV','mean_APexc_mean','mean_MLexc_COV','mean_MLexc_mean','mean_StepDur','m
eeg_measures = c('theta_avg_power','alpha_avg_power','beta_avg_power','aperiodic_exp','aperiodic_offset
```

get speeds only

```
eegt <- filter_at(eegt,vars('cond_char'), any_vars(. %in% c('0.25','0.5','0.75','1.0')))
flat_speeds = unique(eegt$cond_char)
eegt$cond_char <- as.numeric(eegt$cond_char)
eegt$speed_cond_num <- as.numeric(eegt$cond_char)
eegt <- mutate(eegt,across(c('subj_char'), factor))
```

Cluster:	3								
	EEG Theta			EEG Alpha			EEG Beta		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	0.48 (0.15 to 0.81)	0.004	0.007	4.7 (4.0 to 5.5)	<0.001	<0.001	2.6 (2.2 to 3.0)	<0.001	<0.001
speed_cond_num	-0.09 (-0.25 to 0.06)	0.24	0.24	-0.49 (-0.74 to -0.23)	<0.001	<0.001	-0.22 (-0.35 to -0.09)	<0.001	0.001
group_char		<0.001	<0.001		0.035	0.035		0.004	0.004
H1000's	—			—			—		
H2000's	0.57 (0.10 to 1.0)			-1.3 (-2.5 to -0.25)			-0.76 (-1.3 to -0.18)		
H3000's	1.1 (0.68 to 1.6)			-1.1 (-2.1 to -0.02)			-0.89 (-1.4 to -0.33)		
subj_char.sd___(Intercept)	0.82 (NA to NA)			1.9 (NA to NA)			1.0 (NA to NA)		
Residual.sd___Observation	0.38 (NA to NA)			0.63 (NA to NA)			0.32 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

get terrains only (if applicable)

```
# eegt <- filter_at(eegt,vars('cond_char'), any_vars(. %in% c('flat','low','med','high')))
# eegt <- filter_at(eegt,vars('cond_char'), any_vars(. %in% c('high')))
# eegt$terr_ord_speed <- cut(eegt$speed_ms, 4, ordered = TRUE)
```

convert speeds to ordered & groups to factors

```
eegt <- mutate(eegt,across(c('group_char'), factor))
eegt$speed_ord <- cut(eegt$cond_char, 4, ordered = TRUE)
eegt <- mutate(eegt,across(c('cond_char'), factor))
head(eegt)
```

```
## # A tibble: 6 x 139
##   speed_ms subj_id subj_cl_ind subj_char comp_id design_id cond_id cond_char
##      <dbl> <chr>         <dbl> <fct>       <dbl> <chr>     <chr>   <fct>
## 1     0.87 1                 1 H1004           3 2         1       0.25
## 2     0.91 2                 2 H1007           3 2         1       0.25
## 3     0.67 3                 3 H1009           4 2         1       0.25
## 4     0.78 4                 4 H1010           4 2         1       0.25
## 5     1.2  5                 5 H1011           5 2         1       0.25
## 6     0.7  6                 6 H1012           8 2         1       0.25
## # i 131 more variables: group_id <chr>, cluster_id <chr>, aperiodic_exp <dbl>,
## #   aperiodic_offset <dbl>, central_freq_1 <dbl>, central_freq_2 <dbl>,
## #   central_freq_3 <dbl>, power_1 <dbl>, power_2 <dbl>, power_3 <dbl>,
## #   r_squared <dbl>, theta_avg_power <dbl>, alpha_avg_power <dbl>,
## #   beta_avg_power <dbl>, theta_1 <dbl>, theta_2 <dbl>, theta_3 <dbl>,
## #   theta_4 <dbl>, theta_5 <dbl>, theta_6 <dbl>, theta_7 <dbl>, theta_8 <dbl>,
## #   'alpha_ 1' <dbl>, 'alpha_ 2' <dbl>, 'alpha_ 3' <dbl>, 'alpha_ 4' <dbl>, ...
```

```
eegt$group_speed_code = paste(eegt$group_char,eegt$cond_char,sep="_")
```

LME EEG ~ 1+speed+group

LME KIN ~ 1+speed+group+speed:group

Cluster:	4								
	EEG Theta			**EEG Alpha**			**EEG Beta**		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	0.37 (0.16 to 0.59)	<0.001	0.002	3.7 (2.8 to 4.6)	<0.001	<0.001	2.6 (1.9 to 3.2)	<0.001	<0.001
speed_cond_num	0.09 (-0.01 to 0.19)	0.093	0.093	-0.44 (-0.67 to -0.21)	<0.001	<0.001	-0.36 (-0.49 to -0.22)	<0.001	<0.001
group_char		0.070	0.093		0.55	0.55		0.11	0.11
H1000's	—			—			—		
H2000's	-0.25 (-0.56 to 0.06)			-0.46 (-1.9 to 0.98)			0.41 (-0.53 to 1.3)		
H3000's	-0.33 (-0.63 to -0.04)			-0.76 (-2.1 to 0.60)			0.95 (0.07 to 1.8)		
subj_char.sd___(Intercept)	0.51 (NA to NA)			2.4 (NA to NA)			1.6 (NA to NA)		
Residual.sd___Observation	0.25 (NA to NA)			0.54 (NA to NA)			0.32 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	5								
	EEG Theta			**EEG Alpha**			**EEG Beta**		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	0.03 (-0.24 to 0.30)	0.82	0.82	2.6 (1.6 to 3.5)	<0.001	<0.001	1.2 (0.75 to 1.6)	<0.001	<0.001
speed_cond_num	0.30 (0.15 to 0.46)	<0.001	<0.001	-0.26 (-0.56 to 0.03)	0.079	0.12	-0.08 (-0.20 to 0.05)	0.24	0.24
group_char		0.10	0.15		0.62	0.62		0.11	0.17
H1000's	—			—			—		
H2000's	0.31 (-0.20 to 0.83)			-0.32 (-2.1 to 1.5)			0.39 (-0.48 to 1.3)		
H3000's	0.45 (0.02 to 0.87)			-0.74 (-2.2 to 0.75)			-0.56 (-1.3 to 0.16)		
subj_char.sd___(Intercept)	0.62 (NA to NA)			2.2 (NA to NA)			1.1 (NA to NA)		
Residual.sd___Observation	0.30 (NA to NA)			0.57 (NA to NA)			0.24 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	6								
	EEG Theta			**EEG Alpha**			**EEG Beta**		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	1.3 (0.94 to 1.7)	<0.001	<0.001	0.78 (0.40 to 1.2)	<0.001	<0.001	1.4 (0.90 to 1.8)	<0.001	<0.001
speed_cond_num	0.18 (0.04 to 0.32)	0.012	0.018	-0.03 (-0.18 to 0.13)	0.71	0.93	-0.25 (-0.34 to -0.15)	<0.001	<0.001
group_char		0.037	0.037		0.93	0.93		0.12	0.12
H1000's	—			—			—		
H2000's	-0.72 (-1.3 to -0.12)			-0.09 (-0.68 to 0.50)			0.70 (-0.01 to 1.4)		
H3000's	-0.54 (-1.1 to 0.03)			-0.10 (-0.67 to 0.46)			0.51 (-0.16 to 1.2)		
subj_char.sd___(Intercept)	0.93 (NA to NA)			0.93 (NA to NA)			1.1 (NA to NA)		
Residual.sd___Observation	0.31 (NA to NA)			0.34 (NA to NA)			0.21 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	7								
	EEG Theta			**EEG Alpha**			**EEG Beta**		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	0.32 (0.06 to 0.58)	0.015	0.022	2.8 (1.8 to 3.9)	<0.001	<0.001	2.7 (2.0 to 3.4)	<0.001	<0.001
speed_cond_num	0.23 (0.13 to 0.32)	<0.001	<0.001	-0.50 (-0.79 to -0.20)	<0.001	0.001	-0.47 (-0.63 to -0.31)	<0.001	<0.001
group_char		0.063	0.063		0.85	0.85		0.063	0.063
H1000's	—			—			—		
H2000's	-0.44 (-0.85 to -0.04)			-0.44 (-2.1 to 1.2)			0.71 (-0.39 to 1.8)		
H3000's	-0.33 (-0.68 to 0.03)			-0.01 (-1.5 to 1.5)			1.1 (0.18 to 2.1)		
subj_char.sd___(Intercept)	0.64 (NA to NA)			2.6 (NA to NA)			1.7 (NA to NA)		
Residual.sd___Observation	0.23 (NA to NA)			0.69 (NA to NA)			0.38 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	8								
	EEG Theta			**EEG Alpha**			**EEG Beta**		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	0.42 (0.11 to 0.72)	0.007	0.011	4.1 (3.2 to 5.0)	<0.001	<0.001	2.5 (2.0 to 3.0)	<0.001	<0.001
speed_cond_num	0.15 (0.06 to 0.24)	<0.001	0.003	-0.21 (-0.45 to 0.03)	0.088	0.13	-0.18 (-0.30 to -0.05)	0.005	0.008
group_char		0.57	0.57		0.82	0.82		0.73	0.73
H1000's	—			—			—		
H2000's	-0.20 (-0.67 to 0.27)			-0.36 (-1.8 to 1.1)			0.29 (-0.47 to 1.0)		
H3000's	0.06 (-0.40 to 0.52)			-0.40 (-1.8 to 1.0)			0.22 (-0.52 to 0.95)		
subj_char.sd___(Intercept)	0.83 (NA to NA)			2.5 (NA to NA)			1.3 (NA to NA)		
Residual.sd___Observation	0.22 (NA to NA)			0.59 (NA to NA)			0.30 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	9								
	EEG Theta			**EEG Alpha**			**EEG Beta**		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	0.49 (0.12 to 0.87)	0.009	0.014	0.71 (-0.08 to 1.5)	0.076	0.076	0.88 (0.47 to 1.3)	<0.001	<0.001
speed_cond_num	0.26 (0.10 to 0.42)	0.002	0.005	-0.22 (-0.46 to 0.02)	0.075	0.076	-0.14 (-0.25 to -0.02)	0.021	0.031
group_char		0.54	0.54		0.029	0.076		0.15	0.15
H1000's	—			—			—		
H2000's	0.19 (-0.34 to 0.72)			1.5 (0.35 to 2.6)			-0.18 (-0.78 to 0.43)		
H3000's	-0.10 (-0.59 to 0.39)			1.0 (-0.04 to 2.1)			-0.54 (-1.1 to 0.02)		
subj_char.sd___(Intercept)	0.64 (NA to NA)			1.4 (NA to NA)			0.75 (NA to NA)		
Residual.sd___Observation	0.28 (NA to NA)			0.43 (NA to NA)			0.21 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	10								
	EEG Theta			**EEG Alpha**			**EEG Beta**		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	0.57 (0.25 to 0.88)	<0.001	0.001	1.9 (1.0 to 2.8)	<0.001	<0.001	0.99 (0.55 to 1.4)	<0.001	<0.001
speed_cond_num	0.00 (-0.13 to 0.13)	0.97	0.97	-0.46 (-0.72 to -0.19)	<0.001	0.001	-0.17 (-0.28 to -0.06)	0.002	0.003
group_char		0.90	0.97		0.013	0.013		0.63	0.63
H1000's	—			—			—		
H2000's	0.06 (-0.43 to 0.55)			2.1 (0.66 to 3.5)			-0.02 (-0.72 to 0.68)		
H3000's	-0.06 (-0.48 to 0.37)			1.2 (-0.04 to 2.4)			-0.28 (-0.89 to 0.34)		
subj_char.sd___(Intercept)	0.63 (NA to NA)			1.8 (NA to NA)			0.92 (NA to NA)		
Residual.sd___Observation	0.25 (NA to NA)			0.52 (NA to NA)			0.21 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	11								
	EEG Theta			**EEG Alpha**			**EEG Beta**		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	0.94 (0.57 to 1.3)	<0.001	<0.001	1.4 (0.82 to 2.0)	<0.001	<0.001	0.88 (0.42 to 1.3)	<0.001	<0.001
speed_cond_num	0.37 (0.24 to 0.49)	<0.001	<0.001	-0.20 (-0.44 to 0.03)	0.090	0.13	-0.24 (-0.35 to -0.12)	<0.001	<0.001
group_char		0.012	0.012		0.34	0.34		0.052	0.052
H1000's	—			—			—		
H2000's	-0.71 (-1.2 to -0.18)			-0.04 (-0.85 to 0.76)			0.58 (-0.08 to 1.2)		
H3000's	-0.66 (-1.2 to -0.13)			0.51 (-0.30 to 1.3)			0.78 (0.12 to 1.4)		
subj_char.sd___(Intercept)	0.83 (NA to NA)			1.3 (NA to NA)			1.1 (NA to NA)		
Residual.sd___Observation	0.27 (NA to NA)			0.52 (NA to NA)			0.24 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	12								
	EEG Theta			**EEG Alpha**			**EEG Beta**		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	0.72 (0.38 to 1.1)	<0.001	<0.001	1.3 (0.41 to 2.2)	0.004	0.013	1.7 (0.93 to 2.5)	<0.001	<0.001
speed_cond_num	0.27 (0.12 to 0.42)	<0.001	<0.001	-0.08 (-0.28 to 0.13)	0.47	0.71	-0.24 (-0.37 to -0.10)	<0.001	<0.001
group_char		0.10	0.10		0.80	0.80		0.087	0.087
H1000's	—			—			—		
H2000's	-0.28 (-0.77 to 0.21)			-0.08 (-1.4 to 1.2)			0.62 (-0.55 to 1.8)		
H3000's	-0.50 (-0.96 to -0.04)			0.32 (-0.90 to 1.5)			1.2 (0.14 to 2.3)		
subj_char.sd___(Intercept)	0.75 (NA to NA)			2.0 (NA to NA)			1.8 (NA to NA)		
Residual.sd___Observation	0.33 (NA to NA)			0.46 (NA to NA)			0.30 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	13								
	EEG Theta			**EEG Alpha**			**EEG Beta**		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	0.57 (0.17 to 0.97)	0.005	0.016	4.0 (2.9 to 5.1)	<0.001	<0.001	2.0 (1.5 to 2.6)	<0.001	<0.001
speed_cond_num	0.00 (-0.14 to 0.14)	>0.99	>0.99	-0.66 (-0.99 to -0.33)	<0.001	<0.001	-0.38 (-0.54 to -0.22)	<0.001	<0.001
group_char		0.15	0.22		0.95	0.95		0.33	0.33
H1000's	—			—			—		
H2000's	-0.36 (-0.99 to 0.26)			-0.26 (-2.0 to 1.4)			0.26 (-0.57 to 1.1)		
H3000's	0.29 (-0.30 to 0.88)			-0.20 (-1.8 to 1.4)			-0.39 (-1.2 to 0.39)		
subj_char.sd___(Intercept)	0.89 (NA to NA)			2.4 (NA to NA)			1.2 (NA to NA)		
Residual.sd___Observation	0.27 (NA to NA)			0.66 (NA to NA)			0.31 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	3																											
	APeak COV			APeak			MLeak COV			MLeak			Step Dur			UDesc COV			UDesc			Stance Dur			GaitCycle Dur			Peak UpDown Vel		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	-10 (-16 to 21)	<0.001	<0.001	0.08 (0.08 to 0.08)	<0.001	<0.001	11 (3.3 to 19)	<0.001	<0.001	0.13 (0.13 to 0.14)	<0.001	<0.001	-1.6 (-1.5 to 1.8)	<0.001	<0.001	21 (21 to 24)	<0.001	<0.001	0.01 (0.00 to 0.01)	<0.001	<0.001	2.3 (2.2 to 2.4)	<0.001	<0.001	-3.1 (3.0 to 3.2)	<0.001	<0.001	0.00 (-0.02 to 0.01)	0.67	0.67
speed_cond_mm	-3.8 (-6.7 to -0.82)	0.012	0.016	-0.04 (-0.05 to -0.04)	<0.001	<0.001	5.1 (2.9 to 7.4)	<0.001	<0.001	-0.07 (-0.08 to -0.06)	<0.001	<0.001	-1.0 (-1.1 to -0.90)	<0.001	<0.001	-16 (-18 to -15)	<0.001	<0.001	0.03 (0.02 to 0.03)	<0.001	<0.001	-1.7 (-1.9 to -1.6)	<0.001	<0.001	-2.1 (-2.2 to -1.9)	<0.001	<0.001	0.37 (0.35 to 0.39)	<0.001	<0.001
group_char	—	<0.001	<0.001	—	<0.001	<0.001	—	0.002	0.002	—	<0.001	<0.001	—	<0.001	<0.001	—	0.34	0.34	—	0.28	0.28	—	<0.001	<0.001	—	<0.001	<0.001	—	0.20	0.20
H1000's																														
H2000's	5.9 (2.3 to 9.6)			-0.02 (-0.03 to -0.01)			-4.1 (-6.9 to -1.3)			0.03 (0.02 to 0.05)			-0.41 (-0.56 to -0.32)			1.3 (-0.80 to 3.4)			0.00 (0.00 to 0.00)			-0.62 (-0.77 to -0.47)			-0.92 (-0.98 to -0.64)			0.00 (-0.04 to 0.03)		
H3000's	10 (7.0 to 14)			-0.03 (-0.04 to -0.02)			0.50 (-2.1 to 3.2)			0.01 (-0.01 to 0.02)			-0.57 (-0.65 to -0.49)			-0.15 (-2.2 to 1.9)			0.00 (0.00 to 0.00)			-0.86 (-1.0 to -0.72)			-1.1 (-1.3 to -0.97)			0.03 (-0.01 to 0.05)		
speed_cond_mm * group_char		0.34	0.34		<0.001	<0.001		<0.001	<0.001		<0.001	<0.001		<0.001	<0.001		0.043	0.054		0.049	0.068		<0.001	<0.001		<0.001	<0.001		0.027	0.074
speed_cond_mm * H2000's	1.2 (-3.1 to 5.6)			0.02 (0.01 to 0.03)			7.0 (3.6 to 10)			-0.04 (-0.05 to -0.02)			0.40 (0.28 to 0.52)			-0.47 (-3.1 to 2.2)			0.00 (0.00 to 0.01)			0.63 (0.42 to 0.84)			0.79 (0.55 to 1.0)			0.04 (0.01 to 0.07)		
speed_cond_mm * H3000's	-2.0 (-6.1 to 2.2)			0.02 (0.01 to 0.03)			-0.83 (-4.1 to 2.4)			-0.01 (-0.02 to 0.00)			0.54 (0.43 to 0.66)			2.6 (0.11 to 5.2)			0.00 (0.00 to 0.00)			0.87 (0.67 to 1.1)			1.1 (0.86 to 1.3)			0.00 (-0.03 to 0.03)		
subj_char.sd___(Intercept)	3.6 (NA to NA)			0.01 (NA to NA)			2.7 (NA to NA)			0.02 (NA to NA)			0.06 (NA to NA)			1.9 (NA to NA)			0.00 (NA to NA)			0.09 (NA to NA)			0.12 (NA to NA)			0.04 (NA to NA)		
Residual.sd___Observation	4.3 (NA to NA)			0.01 (NA to NA)			3.4 (NA to NA)			0.01 (NA to NA)			0.12 (NA to NA)			2.6 (NA to NA)			0.00 (NA to NA)			0.21 (NA to NA)			0.24 (NA to NA)			0.03 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	4																													
	APexc COV			APexc			MLexc COV			MLexc			Step Dur			UDexc COV			UDexc			Stance Dur			GaitCycle Dur			Peak UpDown Vel		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	17 (15 to 20)	<0.001	<0.001	0.08 (0.08 to 0.09)	<0.001	<0.001	11 (9.4 to 13)	<0.001	<0.001	0.12 (0.11 to 0.13)	<0.001	<0.001	1.6 (1.5 to 1.6)	<0.001	<0.001	23 (21 to 24)	<0.001	<0.001	0.01 (0.01 to 0.01)	<0.001	<0.001	2.3 (2.2 to 2.4)	<0.001	<0.001	3.1 (3.0 to 3.2)	<0.001	<0.001	0.01 (-0.01 to 0.03)	0.49	0.53
speed_cond_num	-2.6 (-5.5 to 0.21)	0.070	0.093	-0.04 (-0.05 to -0.04)	<0.001	<0.001	5.3 (2.9 to 7.6)	<0.001	<0.001	-0.07 (-0.08 to -0.06)	<0.001	<0.001	-1.0 (-1.1 to -0.95)	<0.001	<0.001	-16 (-18 to -14)	<0.001	<0.001	0.03 (0.02 to 0.03)	<0.001	<0.001	-1.7 (-1.9 to -1.6)	<0.001	<0.001	-2.1 (-2.2 to -1.9)	<0.001	<0.001	0.37 (0.35 to 0.39)	<0.001	<0.001
group_char		<0.001	<0.001		<0.001	<0.001		0.16	0.16		<0.001	<0.001		<0.001	<0.001		0.38	0.38		0.70	0.70		<0.001	<0.001		<0.001	<0.001		0.53	0.53
H1000's	—			—			—			—			—			—			—			—			—			—		
H2000's	6.9 (3.3 to 11)			-0.02 (-0.03 to -0.01)			-2.9 (-6.0 to 0.25)			0.03 (0.02 to 0.05)			-0.39 (-0.49 to -0.30)			1.4 (-0.89 to 3.7)			0.00 (0.00 to 0.00)			-0.60 (-0.76 to -0.44)			-0.78 (-0.98 to -0.59)			0.00 (-0.03 to 0.04)		
H3000's	11 (7.8 to 15)			-0.03 (-0.04 to -0.02)			-0.35 (-3.3 to 2.6)			0.01 (0.00 to 0.03)			-0.57 (-0.67 to -0.48)			-0.11 (-2.3 to 2.1)			0.00 (0.00 to 0.00)			-0.88 (-1.0 to -0.73)			-1.1 (-1.3 to -0.97)			0.02 (-0.02 to 0.05)		
speed_cond_num * group_char		0.43	0.43		<0.001	<0.001		0.15	0.16		<0.001	<0.001		<0.001	<0.001		0.051	0.069		0.080	0.11		<0.001	<0.001		<0.001	<0.001		0.23	0.46
speed_cond_num * H2000's	-1.3 (-5.7 to 3.1)			0.01 (0.00 to 0.02)			2.8 (-0.79 to 6.5)			-0.03 (-0.05 to -0.02)			0.40 (0.27 to 0.52)			-1.1 (-3.9 to 1.7)			0.00 (0.00 to 0.01)			0.63 (0.40 to 0.85)			0.79 (0.53 to 1.0)			0.03 (-0.01 to 0.07)		
speed_cond_num * H3000's	-2.8 (-6.9 to 1.4)			0.03 (0.02 to 0.04)			-0.66 (-4.1 to 2.8)			-0.01 (-0.02 to 0.00)			0.55 (0.43 to 0.67)			2.4 (-0.31 to 5.1)			0.00 (0.00 to 0.00)			0.88 (0.67 to 1.1)			1.1 (0.85 to 1.3)			0.00 (-0.03 to 0.04)		
subj_char.sd__(Intercept)	3.4 (NA to NA)			0.01 (NA to NA)			3.2 (NA to NA)			0.02 (NA to NA)			0.06 (NA to NA)			2.1 (NA to NA)			0.00 (NA to NA)			0.07 (NA to NA)			0.13 (NA to NA)			0.04 (NA to NA)		
Residual.sd__Observation	4.1 (NA to NA)			0.01 (NA to NA)			3.4 (NA to NA)			0.01 (NA to NA)			0.12 (NA to NA)			2.7 (NA to NA)			0.00 (NA to NA)			0.21 (NA to NA)			0.25 (NA to NA)			0.03 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	5																													
	APexc COV			APexc			MLexc COV			MLexc			Step Dur			UDexc COV			UDexc			Stance Dur			GaitCycle Dur			Peak UpDown Vel		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	18 (16 to 20)	<0.001	<0.001	0.08 (0.07 to 0.09)	<0.001	<0.001	11 (8.9 to 13)	<0.001	<0.001	0.12 (0.11 to 0.13)	<0.001	<0.001	1.5 (1.5 to 1.6)	<0.001	<0.001	23 (22 to 25)	<0.001	<0.001	0.01 (0.01 to 0.01)	<0.001	<0.001	2.2 (2.1 to 2.4)	<0.001	<0.001	3.0 (2.9 to 3.2)	<0.001	<0.001	0.01 (-0.01 to 0.03)	0.45	0.59
speed_cond_num	-3.1 (-6.0 to -0.12)	0.042	0.055	-0.04 (-0.05 to -0.03)	<0.001	<0.001	6.2 (3.9 to 8.5)	<0.001	<0.001	-0.07 (-0.08 to -0.06)	<0.001	<0.001	-0.99 (-1.1 to -0.90)	<0.001	<0.001	-16 (-18 to -15)	<0.001	<0.001	0.03 (0.02 to 0.03)	<0.001	<0.001	-1.6 (-1.8 to -1.5)	<0.001	<0.001	-2.0 (-2.2 to -1.8)	<0.001	<0.001	0.37 (0.34 to 0.39)	<0.001	<0.001
group_char		<0.001	<0.001		<0.001	<0.001		0.59	0.77		0.003	0.003		<0.001	<0.001		0.62	0.77		0.76	0.76		<0.001	<0.001		<0.001	<0.001		0.59	0.59
H1000's	—			—			—			—			—			—			—			—			—			—		
H2000's	5.2 (0.31 to 10)			-0.01 (-0.02 to 0.00)			-1.9 (-6.1 to 2.3)			0.03 (0.01 to 0.06)			-0.29 (-0.42 to -0.15)			1.3 (-1.8 to 4.4)			0.00 (0.00 to 0.01)			-0.38 (-0.60 to -0.15)			-0.57 (-0.83 to -0.31)			0.01 (-0.03 to 0.06)		
H3000's	12 (7.6 to 16)			-0.03 (-0.04 to -0.02)			-1.3 (-4.7 to 2.1)			0.02 (0.00 to 0.04)			-0.57 (-0.68 to -0.46)			0.94 (-1.6 to 3.5)			0.00 (0.00 to 0.00)			-0.83 (-1.0 to -0.64)			-1.1 (-1.4 to -0.93)			0.02 (-0.02 to 0.06)		
speed_cond_num * group_char		0.61	0.61		<0.001	<0.001		0.77	0.77		<0.001	<0.001		<0.001	<0.001		0.77	0.77		0.33	0.43		<0.001	<0.001		<0.001	<0.001		0.17	0.35
speed_cond_num * H2000's	0.62 (-5.2 to 6.5)			0.01 (0.00 to 0.02)			1.6 (-3.1 to 6.3)			-0.04 (-0.06 to -0.02)			0.27 (0.09 to 0.45)			-0.48 (-4.3 to 3.4)			0.00 (0.00 to 0.00)			0.37 (0.06 to 0.68)			0.54 (0.18 to 0.90)			0.01 (-0.04 to 0.06)		
speed_cond_num * H3000's	-2.1 (-7.0 to 2.7)			0.03 (0.01 to 0.04)			0.88 (-3.0 to 4.7)			-0.02 (-0.04 to 0.00)			0.54 (0.39 to 0.68)			0.92 (-2.3 to 4.1)			0.00 (0.00 to 0.01)			0.82 (0.56 to 1.1)			1.1 (0.78 to 1.4)			0.04 (0.00 to 0.08)		
subj_char.sd__(Intercept)	3.6 (NA to NA)			0.01 (NA to NA)			3.4 (NA to NA)			0.02 (NA to NA)			0.06 (NA to NA)			1.9 (NA to NA)			0.00 (NA to NA)			0.08 (NA to NA)			0.12 (NA to NA)			0.04 (NA to NA)		
Residual.sd__Observation	4.1 (NA to NA)			0.01 (NA to NA)			3.3 (NA to NA)			0.01 (NA to NA)			0.12 (NA to NA)			2.7 (NA to NA)			0.00 (NA to NA)			0.22 (NA to NA)			0.25 (NA to NA)			0.03 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	6																													
	APexc COV			APexc			MLexc COV			MLexc			Step Dur			UDexc COV			UDexc			Stance Dur			GaitCycle Dur			Peak UpDown Vel		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	18 (16 to 20)	<0.001	<0.001	0.08 (0.07 to 0.09)	<0.001	<0.001	10 (8.1 to 12)	<0.001	<0.001	0.13 (0.12 to 0.14)	<0.001	<0.001	1.5 (1.5 to 1.6)	<0.001	<0.001	22 (20 to 23)	<0.001	<0.001	0.01 (0.01 to 0.01)	<0.001	<0.001	2.3 (2.2 to 2.4)	<0.001	<0.001	3.1 (3.0 to 3.2)	<0.001	<0.001	0.01 (-0.01 to 0.03)	0.38	0.48
speed_cond_num	-3.2 (-6.1 to -0.25)	0.034	0.045	-0.04 (-0.05 to -0.03)	<0.001	<0.001	6.9 (4.5 to 9.3)	<0.001	<0.001	-0.07 (-0.08 to -0.06)	<0.001	<0.001	-1.0 (-1.1 to -0.93)	<0.001	<0.001	-15 (-16 to -13)	<0.001	<0.001	0.03 (0.02 to 0.03)	<0.001	<0.001	-1.7 (-1.8 to -1.5)	<0.001	<0.001	-2.0 (-2.2 to -1.9)	<0.001	<0.001	0.36 (0.33 to 0.38)	<0.001	<0.001
group_char		<0.001	<0.001		<0.001	<0.001		0.49	0.49		0.002	0.002		<0.001	<0.001		0.009	0.013		0.58	0.58		<0.001	<0.001		<0.001	<0.001		0.48	0.48
H1000's	—			—			—			—			—			—			—			—			—			—		
H2000's	7.8 (4.0 to 12)			-0.02 (-0.02 to -0.01)			-1.4 (-4.7 to 1.9)			0.03 (0.01 to 0.05)			-0.41 (-0.51 to -0.31)			3.4 (1.2 to 5.6)			0.00 (0.00 to 0.00)			-0.63 (-0.80 to -0.46)			-0.81 (-1.0 to -0.61)			0.00 (-0.04 to 0.03)		
H3000's	13 (9.1 to 16)			-0.02 (-0.03 to -0.01)			0.69 (-2.5 to 3.9)			0.02 (0.00 to 0.03)			-0.56 (-0.66 to -0.46)			0.66 (-1.5 to 2.8)			0.00 (0.00 to 0.00)			-0.84 (-1.0 to -0.68)			-1.1 (-1.3 to -0.92)			0.02 (-0.02 to 0.05)		
speed_cond_num * group_char		0.059	0.059		0.013	0.013		0.28	0.37		<0.001	<0.001		<0.001	<0.001		0.019	0.019		0.12	0.16		<0.001	<0.001		<0.001	<0.001		0.015	0.031
speed_cond_num * H2000's	-1.7 (-6.4 to 3.0)			0.01 (0.00 to 0.02)			1.6 (-2.2 to 5.5)			-0.03 (-0.05 to -0.02)			0.40 (0.26 to 0.54)			-3.1 (-5.7 to -0.45)			0.00 (0.00 to 0.01)			0.64 (0.40 to 0.88)			0.80 (0.52 to 1.1)			0.05 (0.01 to 0.09)		
speed_cond_num * H3000's	-5.4 (-10 to -0.93)			0.02 (0.01 to 0.03)			-1.7 (-5.4 to 2.0)			-0.02 (-0.04 to -0.01)			0.52 (0.39 to 0.65)			0.71 (-1.8 to 3.2)			0.00 (0.00 to 0.00)			0.83 (0.60 to 1.1)			1.0 (0.78 to 1.3)			0.04 (0.00 to 0.07)		
subj_char.sd__(Intercept)	3.1 (NA to NA)			0.01 (NA to NA)			3.2 (NA to NA)			0.02 (NA to NA)			0.07 (NA to NA)			2.0 (NA to NA)			0.00 (NA to NA)			0.08 (NA to NA)			0.13 (NA to NA)			0.04 (NA to NA)		
Residual.sd__Observation	4.2 (NA to NA)			0.01 (NA to NA)			3.4 (NA to NA)			0.01 (NA to NA)			0.12 (NA to NA)			2.4 (NA to NA)			0.00 (NA to NA)			0.21 (NA to NA)			0.24 (NA to NA)			0.03 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	7																													
	APexc COV			APexc			MLexc COV			MLexc			Step Dur			UDexc COV			UDexc			Stance Dur			GaitCycle Dur			Peak UpDown Vel		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	18 (16 to 21)	<0.001	<0.001	0.08 (0.08 to 0.09)	<0.001	<0.001	10 (8.2 to 12)	<0.001	<0.001	0.13 (0.12 to 0.14)	<0.001	<0.001	1.5 (1.5 to 1.6)	<0.001	<0.001	22 (21 to 24)	<0.001	<0.001	0.01 (0.00 to 0.01)	<0.001	<0.001	2.3 (2.2 to 2.4)	<0.001	<0.001	3.1 (3.0 to 3.2)	<0.001	<0.001	0.01 (-0.02 to 0.03)	0.61	0.61
speed_cond_num	-3.5 (-6.3 to -0.71)	0.014	0.019	-0.04 (-0.05 to -0.04)	<0.001	<0.001	5.7 (3.5 to 7.9)	<0.001	<0.001	-0.08 (-0.08 to -0.07)	<0.001	<0.001	-1.0 (-1.1 to -0.93)	<0.001	<0.001	-16 (-17 to -14)	<0.001	<0.001	0.03 (0.02 to 0.03)	<0.001	<0.001	-1.7 (-1.8 to -1.5)	<0.001	<0.001	-2.0 (-2.2 to -1.9)	<0.001	<0.001	0.37 (0.35 to 0.39)	<0.001	<0.001
group_char		<0.001	<0.001		<0.001	<0.001		0.031	0.031		0.001	0.001		<0.001	<0.001		0.24	0.24		0.46	0.46		<0.001	<0.001		<0.001	<0.001		0.31	0.61
H1000's	—			—			—			—			—			—			—			—			—			—		
H2000's	5.8 (1.9 to 9.7)			-0.01 (-0.02 to 0.00)			-2.6 (-5.7 to 0.40)			0.03 (0.01 to 0.05)			-0.31 (-0.40 to -0.21)			2.0 (-0.36 to 4.3)			0.00 (0.00 to 0.00)			-0.48 (-0.65 to -0.32)			-0.61 (-0.81 to -0.41)			0.01 (-0.03 to 0.04)		
H3000's	11 (7.2 to 14)			-0.03 (-0.03 to -0.02)			1.5 (-1.2 to 4.2)			0.01 (-0.01 to 0.02)			-0.53 (-0.61 to -0.44)			0.41 (-1.7 to 2.5)			0.00 (0.00 to 0.00)			-0.81 (-0.95 to -0.66)			-1.1 (-1.2 to -0.88)			0.02 (-0.01 to 0.06)		
speed_cond_num * group_char		0.33	0.33		<0.001	<0.001		0.002	0.002		<0.001	<0.001		<0.001	<0.001		0.023	0.031		0.33	0.44		<0.001	<0.001		<0.001	<0.001		0.49	0.61
speed_cond_num * H2000's	0.44 (-4.1 to 5.0)			0.01 (0.00 to 0.02)			4.9 (1.3 to 8.5)			-0.03 (-0.05 to -0.02)			0.30 (0.17 to 0.43)			-2.1 (-4.9 to 0.70)			0.00 (0.00 to 0.00)			0.49 (0.26 to 0.72)			0.59 (0.33 to 0.86)			0.02 (-0.02 to 0.06)		
speed_cond_num * H3000's	-2.6 (-6.6 to 1.5)			0.02 (0.01 to 0.03)			-1.6 (-4.7 to 1.6)			-0.01 (-0.02 to 0.01)			0.51 (0.39 to 0.62)			1.9 (-0.62 to 4.3)			0.00 (0.00 to 0.00)			0.81 (0.61 to 1.0)			1.0 (0.78 to 1.2)			0.00 (-0.03 to 0.03)		
subj_char.sd__(Intercept)	3.8 (NA to NA)			0.01 (NA to NA)			2.9 (NA to NA)			0.02 (NA to NA)			0.06 (NA to NA)			2.1 (NA to NA)			0.00 (NA to NA)			0.07 (NA to NA)			0.12 (NA to NA)			0.04 (NA to NA)		
Residual.sd__Observation	4.1 (NA to NA)			0.01 (NA to NA)			3.2 (NA to NA)			0.01 (NA to NA)			0.12 (NA to NA)			2.5 (NA to NA)			0.00 (NA to NA)			0.21 (NA to NA)			0.24 (NA to NA)			0.03 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	8																													
	APexc COV			APexc			MLexc COV			MLexc			Step Dur			UDexc COV			UDexc			Stance Dur			GaitCycle Dur			Peak UpDown Vel		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	18 (16 to 20)	<0.001	<0.001	0.08 (0.08 to 0.09)	<0.001	<0.001	11 (9.2 to 13)	<0.001	<0.001	0.13 (0.12 to 0.14)	<0.001	<0.001	1.6 (1.5 to 1.6)	<0.001	<0.001	23 (21 to 24)	<0.001	<0.001	0.01 (0.01 to 0.01)	<0.001	<0.001	2.3 (2.2 to 2.4)	<0.001	<0.001	3.1 (3.0 to 3.2)	<0.001	<0.001	0.01 (-0.01 to 0.03)	0.37	0.37
speed_cond_num	-3.5 (-6.2 to -0.79)	0.011	0.015	-0.04 (-0.05 to -0.04)	<0.001	<0.001	5.6 (3.2 to 7.9)	<0.001	<0.001	-0.07 (-0.08 to -0.07)	<0.001	<0.001	-1.0 (-1.1 to -0.94)	<0.001	<0.001	-16 (-18 to -14)	<0.001	<0.001	0.03 (0.02 to 0.03)	<0.001	<0.001	-1.7 (-1.8 to -1.6)	<0.001	<0.001	-2.0 (-2.2 to -1.9)	<0.001	<0.001	0.36 (0.34 to 0.38)	<0.001	<0.001
group_char		<0.001	<0.001		<0.001	<0.001		0.10	0.10		<0.001	<0.001		<0.001	<0.001		0.24	0.31		0.46	0.46		<0.001	<0.001		<0.001	<0.001		0.15	0.20
H1000's	—			—			—			—			—			—			—			—			—			—		
H2000's	6.2 (2.8 to 9.7)			-0.02 (-0.03 to -0.01)			-2.8 (-5.9 to 0.27)			0.03 (0.01 to 0.04)			-0.38 (-0.47 to -0.28)			1.8 (-0.27 to 3.9)			0.00 (0.00 to 0.00)			-0.59 (-0.74 to -0.43)			-0.75 (-0.93 to -0.57)			-0.01 (-0.04 to 0.02)		
H3000's	12 (8.2 to 15)			-0.03 (-0.04 to -0.02)			0.52 (-2.5 to 3.6)			0.01 (-0.01 to 0.02)			-0.57 (-0.66 to -0.48)			0.70 (-1.3 to 2.7)			0.00 (0.00 to 0.00)			-0.86 (-1.0 to -0.71)			-1.1 (-1.3 to -0.97)			0.02 (-0.01 to 0.05)		
speed_cond_num * group_char		0.10	0.10		<0.001	<0.001		0.038	0.050		<0.001	<0.001		<0.001	<0.001		0.38	0.38		0.21	0.28		<0.001	<0.001		<0.001	<0.001		0.021	0.042
speed_cond_num * H2000's	-0.54 (-4.8 to 3.7)			0.01 (0.00 to 0.02)			3.8 (0.10 to 7.5)			-0.03 (-0.05 to -0.02)			0.36 (0.24 to 0.49)			-1.1 (-3.7 to 1.4)			0.00 (0.00 to 0.01)			0.59 (0.37 to 0.80)			0.72 (0.47 to 0.97)			0.05 (0.01 to 0.08)		
speed_cond_num * H3000's	-4.4 (-8.6 to -0.19)			0.02 (0.01 to 0.03)			-1.1 (-4.8 to 2.5)			-0.01 (-0.02 to 0.01)			0.55 (0.43 to 0.67)			0.83 (-1.7 to 3.4)			0.00 (0.00 to 0.00)			0.87 (0.66 to 1.1)			1.1 (0.86 to 1.3)			0.02 (-0.01 to 0.05)		
subj_char.sd__(Intercept)	3.1 (NA to NA)			0.01 (NA to NA)			3.1 (NA to NA)			0.02 (NA to NA)			0.06 (NA to NA)			1.9 (NA to NA)			0.00 (NA to NA)			0.07 (NA to NA)			0.12 (NA to NA)			0.04 (NA to NA)		
Residual.sd__Observation	4.2 (NA to NA)			0.01 (NA to NA)			3.7 (NA to NA)			0.01 (NA to NA)			0.12 (NA to NA)			2.5 (NA to NA)			0.00 (NA to NA)			0.22 (NA to NA)			0.25 (NA to NA)			0.03 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	9																													
	APexc COV			APexc			MLexc COV			MLexc			Step Dur			UDexc COV			UDexc			Stance Dur			GaitCycle Dur			Peak UpDown Vel		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	18 (14 to 22)	<0.001	<0.001	0.09 (0.08 to 0.10)	<0.001	<0.001	13 (10 to 16)	<0.001	<0.001	0.12 (0.11 to 0.14)	<0.001	<0.001	1.6 (1.5 to 1.7)	<0.001	<0.001	23 (21 to 25)	<0.001	<0.001	0.01 (0.00 to 0.01)	<0.001	<0.001	2.4 (2.3 to 2.6)	<0.001	<0.001	3.3 (3.1 to 3.4)	<0.001	<0.001	0.00 (-0.03 to 0.04)	0.89	0.89
speed_cond_num	-3.5 (-8.2 to 1.2)	0.14	0.19	-0.05 (-0.06 to -0.04)	<0.001	<0.001	3.2 (-0.20 to 6.6)	0.065	0.065	-0.07 (-0.09 to -0.06)	<0.001	<0.001	-1.1 (-1.2 to -0.99)	<0.001	<0.001	-17 (-19 to -14)	<0.001	<0.001	0.03 (0.02 to 0.03)	<0.001	<0.001	-1.8 (-2.0 to -1.6)	<0.001	<0.001	-2.2 (-2.5 to -2.0)	<0.001	<0.001	0.38 (0.35 to 0.41)	<0.001	<0.001
group_char		<0.001	0.001		<0.001	<0.001		0.027	0.035		0.017	0.017		<0.001	<0.001		0.71	0.71		0.21	0.24		<0.001	<0.001		<0.001	<0.001		0.20	0.26
H1000's	—			—			—			—			—			—			—			—			—			—		
H2000's	7.4 (1.9 to 13)			-0.03 (-0.04 to -0.02)			-5.7 (-9.9 to -1.5)			0.02 (0.00 to 0.04)			-0.48 (-0.61 to -0.35)			1.0 (-1.9 to 3.9)			0.00 (-0.01 to 0.00)			-0.72 (-0.93 to -0.50)			-0.96 (-1.2 to -0.70)			0.00 (-0.04 to 0.05)		
H3000's	9.9 (4.7 to 15)			-0.03 (-0.05 to -0.02)			-2.0 (-5.9 to 1.9)			0.03 (0.01 to 0.05)			-0.64 (-0.76 to -0.53)			-0.11 (-2.8 to 2.6)			0.00 (0.00 to 0.01)			-0.97 (-1.2 to -0.77)			-1.3 (-1.5 to -1.1)			0.04 (-0.01 to 0.08)		
speed_cond_num * group_char		0.77	0.77		<0.001	<0.001		<0.001	0.002		0.016	0.017		<0.001	<0.001		0.25	0.33		0.24	0.24		<0.001	<0.001		<0.001	<0.001		0.17	0.26
speed_cond_num * H2000's	-1.4 (-8.4 to 5.6)			0.02 (0.01 to 0.04)			9.0 (4.0 to 14)			-0.03 (-0.05 to -0.01)			0.48 (0.30 to 0.66)			0.66 (-2.9 to 4.3)			0.00 (0.00 to 0.01)			0.73 (0.42 to 1.0)			0.96 (0.59 to 1.3)			0.02 (-0.03 to 0.07)		
speed_cond_num * H3000's	-2.4 (-8.9 to 4.1)			0.03 (0.02 to 0.05)			1.3 (-3.3 to 6.0)			-0.02 (-0.04 to 0.00)			0.65 (0.48 to 0.82)			2.7 (-0.62 to 6.1)			0.00 (-0.01 to 0.00)			1.0 (0.73 to 1.3)			1.3 (0.97 to 1.6)			-0.03 (-0.07 to 0.02)		
subj_char.sd__(Intercept)	3.5 (NA to NA)			0.01 (NA to NA)			3.1 (NA to NA)			0.02 (NA to NA)			0.05 (NA to NA)			1.9 (NA to NA)			0.00 (NA to NA)			0.04 (NA to NA)			0.10 (NA to NA)			0.04 (NA to NA)		
Residual.sd__Observation	4.9 (NA to NA)			0.01 (NA to NA)			3.5 (NA to NA)			0.02 (NA to NA)			0.13 (NA to NA)			2.5 (NA to NA)			0.00 (NA to NA)			0.22 (NA to NA)			0.25 (NA to NA)			0.03 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	10																													
	APexc COV			APexc			MLexc COV			MLexc			Step Dur			UDexc COV			UDexc			Stance Dur			GaitCycle Dur			Peak UpDown Vel		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	20 (17 to 23)	<0.001	<0.001	0.08 (0.08 to 0.09)	<0.001	<0.001	12 (9.4 to 14)	<0.001	<0.001	0.13 (0.12 to 0.14)	<0.001	<0.001	1.5 (1.5 to 1.6)	<0.001	<0.001	23 (21 to 25)	<0.001	<0.001	0.01 (0.00 to 0.01)	<0.001	<0.001	2.3 (2.2 to 2.4)	<0.001	<0.001	3.1 (2.9 to 3.2)	<0.001	<0.001	0.00 (-0.03 to 0.03)	0.83	0.83
speed_cond_num	-5.2 (-9.2 to -1.3)	0.009	0.012	-0.05 (-0.05 to -0.04)	<0.001	<0.001	4.2 (1.2 to 7.2)	0.006	0.012	-0.08 (-0.09 to -0.06)	<0.001	<0.001	-1.0 (-1.1 to -0.91)	<0.001	<0.001	-17 (-19 to -14)	<0.001	<0.001	0.02 (0.02 to 0.03)	<0.001	<0.001	-1.7 (-1.8 to -1.5)	<0.001	<0.001	-2.0 (-2.2 to -1.8)	<0.001	<0.001	0.36 (0.34 to 0.39)	<0.001	<0.001
group_char		<0.001	<0.001		<0.001	<0.001		0.18	0.24		0.054	0.054		<0.001	<0.001		0.39	0.39		0.11	0.11		<0.001	<0.001		<0.001	<0.001		0.38	0.50
H1000's	—			—			—			—			—			—			—			—			—			—		
H2000's	4.8 (-0.29 to 9.8)			-0.02 (-0.03 to -0.01)			-3.5 (-7.3 to 0.27)			0.02 (0.00 to 0.04)			-0.41 (-0.53 to -0.30)			0.77 (-1.9 to 3.5)			0.00 (-0.01 to 0.00)			-0.63 (-0.82 to -0.44)			-0.83 (-1.1 to -0.60)			-0.01 (-0.05 to 0.04)		
H3000's	9.4 (4.9 to 14)			-0.03 (-0.04 to -0.02)			-0.92 (-4.3 to 2.4)			0.01 (0.00 to 0.03)			-0.55 (-0.65 to -0.45)			-1.1 (-3.5 to 1.3)			0.00 (0.00 to 0.00)			-0.83 (-0.99 to -0.67)			-1.1 (-1.3 to -0.90)			0.02 (-0.02 to 0.06)		
speed_cond_num * group_char		0.98	0.98		<0.001	<0.001		0.47	0.47		0.027	0.036		<0.001	<0.001		0.045	0.059		0.001	0.001		<0.001	<0.001		<0.001	<0.001		0.011	0.022
speed_cond_num * H2000's	0.52 (-5.7 to 6.8)			0.02 (0.00 to 0.03)			3.0 (-1.8 to 7.7)			-0.03 (-0.05 to -0.01)			0.40 (0.25 to 0.55)			-0.31 (-3.7 to 3.1)			0.01 (0.00 to 0.01)			0.63 (0.37 to 0.90)			0.80 (0.49 to 1.1)			0.07 (0.02 to 0.11)		
speed_cond_num * H3000's	0.37 (-5.1 to 5.9)			0.02 (0.01 to 0.04)			1.4 (-2.8 to 5.6)			-0.01 (-0.03 to 0.01)			0.53 (0.39 to 0.66)			3.3 (0.29 to 6.3)			0.00 (0.00 to 0.01)			0.84 (0.60 to 1.1)			1.1 (0.78 to 1.3)			0.04 (0.00 to 0.08)		
subj_char.sd__(Intercept)	3.5 (NA to NA)			0.01 (NA to NA)			2.6 (NA to NA)			0.02 (NA to NA)			0.05 (NA to NA)			1.8 (NA to NA)			0.00 (NA to NA)			0.05 (NA to NA)			0.11 (NA to NA)			0.04 (NA to NA)		
Residual.sd__Observation	4.6 (NA to NA)			0.01 (NA to NA)			3.5 (NA to NA)			0.01 (NA to NA)			0.11 (NA to NA)			2.5 (NA to NA)			0.00 (NA to NA)			0.20 (NA to NA)			0.23 (NA to NA)			0.03 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	11																													
	APexc COV			APexc			MLexc COV			MLexc			Step Dur			UDexc COV			UDexc			Stance Dur			GaitCycle Dur			Peak UpDown Vel		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	18 (16 to 21)	<0.001	<0.001	0.08 (0.07 to 0.09)	<0.001	<0.001	10 (8.2 to 12)	<0.001	<0.001	0.13 (0.12 to 0.14)	<0.001	<0.001	1.5 (1.5 to 1.6)	<0.001	<0.001	22 (21 to 24)	<0.001	<0.001	0.01 (0.00 to 0.01)	<0.001	<0.001	2.3 (2.2 to 2.4)	<0.001	<0.001	3.1 (2.9 to 3.2)	<0.001	<0.001	0.00 (-0.02 to 0.03)	0.82	0.82
speed_cond_num	-3.9 (-7.2 to -0.66)	0.019	0.025	-0.04 (-0.05 to -0.03)	<0.001	<0.001	6.1 (3.4 to 8.8)	<0.001	<0.001	-0.07 (-0.09 to -0.06)	<0.001	<0.001	-1.0 (-1.1 to -0.91)	<0.001	<0.001	-16 (-18 to -14)	<0.001	<0.001	0.03 (0.02 to 0.03)	<0.001	<0.001	-1.7 (-1.8 to -1.5)	<0.001	<0.001	-2.0 (-2.2 to -1.8)	<0.001	<0.001	0.37 (0.35 to 0.40)	<0.001	<0.001
group_char		<0.001	<0.001		<0.001	<0.001		<0.001	<0.001		0.001	0.001		<0.001	<0.001		0.35	0.35		0.14	0.14		<0.001	<0.001		<0.001	<0.001		0.16	0.22
H1000's	—			—			—			—			—			—			—			—			—			—		
H2000's	5.8 (1.9 to 9.7)			-0.02 (-0.03 to -0.02)			-3.5 (-6.5 to -0.50)			0.03 (0.01 to 0.05)			-0.39 (-0.49 to -0.30)			1.5 (-0.57 to 3.6)			0.00 (-0.01 to 0.00)			-0.62 (-0.78 to -0.45)			-0.79 (-0.99 to -0.60)			0.00 (-0.04 to 0.03)		
H3000's	14 (10 to 18)			-0.03 (-0.04 to -0.02)			2.6 (-0.44 to 5.5)			0.00 (-0.01 to 0.02)			-0.64 (-0.74 to -0.54)			0.95 (-1.1 to 3.0)			0.00 (0.00 to 0.00)			-0.95 (-1.1 to -0.79)			-1.3 (-1.5 to -1.1)			0.03 (-0.01 to 0.07)		
speed_cond_num * group_char		0.11	0.11		<0.001	<0.001		<0.001	<0.001		<0.001	<0.001		<0.001	<0.001		0.28	0.35		0.056	0.075		<0.001	<0.001		<0.001	<0.001		0.11	0.22
speed_cond_num * H2000's	0.73 (-4.0 to 5.5)			0.02 (0.01 to 0.03)			4.8 (0.90 to 8.8)			-0.03 (-0.05 to -0.01)			0.40 (0.27 to 0.53)			-0.78 (-3.3 to 1.8)			0.00 (0.00 to 0.01)			0.65 (0.42 to 0.87)			0.80 (0.54 to 1.1)			0.04 (0.00 to 0.08)		
speed_cond_num * H3000's	-4.1 (-8.9 to 0.64)			0.02 (0.01 to 0.03)			-3.0 (-6.9 to 0.95)			-0.01 (-0.02 to 0.01)			0.61 (0.48 to 0.74)			1.3 (-1.2 to 3.8)			0.00 (0.00 to 0.00)			0.96 (0.74 to 1.2)			1.2 (0.96 to 1.5)			0.03 (-0.01 to 0.06)		
subj_char.sd__(Intercept)	3.4 (NA to NA)			0.01 (NA to NA)			2.1 (NA to NA)			0.02 (NA to NA)			0.07 (NA to NA)			1.9 (NA to NA)			0.00 (NA to NA)			0.09 (NA to NA)			0.14 (NA to NA)			0.04 (NA to NA)		
Residual.sd__Observation	4.3 (NA to NA)			0.01 (NA to NA)			3.5 (NA to NA)			0.01 (NA to NA)			0.12 (NA to NA)			2.3 (NA to NA)			0.00 (NA to NA)			0.20 (NA to NA)			0.23 (NA to NA)			0.03 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	12																													
	APexc COV			APexc			MLexc COV			MLexc			Step Dur			UDexc COV			UDexc			Stance Dur			GaitCycle Dur			Peak UpDown Vel		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	17 (14 to 20)	<0.001	<0.001	0.08 (0.08 to 0.09)	<0.001	<0.001	11 (8.8 to 13)	<0.001	<0.001	0.12 (0.11 to 0.14)	<0.001	<0.001	1.6 (1.5 to 1.7)	<0.001	<0.001	22 (21 to 24)	<0.001	<0.001	0.01 (0.01 to 0.01)	<0.001	<0.001	2.3 (2.2 to 2.5)	<0.001	<0.001	3.2 (3.0 to 3.3)	<0.001	<0.001	0.01 (-0.02 to 0.03)	0.63	0.63
speed_cond_num	-2.1 (-5.2 to 0.90)	0.17	0.17	-0.04 (-0.05 to -0.04)	<0.001	<0.001	6.0 (3.1 to 8.8)	<0.001	<0.001	-0.07 (-0.08 to -0.06)	<0.001	<0.001	-1.1 (-1.2 to -0.97)	<0.001	<0.001	-16 (-18 to -14)	<0.001	<0.001	0.03 (0.02 to 0.03)	<0.001	<0.001	-1.8 (-1.9 to -1.6)	<0.001	<0.001	-2.1 (-2.3 to -2.0)	<0.001	<0.001	0.37 (0.34 to 0.39)	<0.001	<0.001
group_char		<0.001	<0.001		<0.001	<0.001		0.10	0.10		<0.001	<0.001		<0.001	<0.001		0.21	0.21		0.90	0.90		<0.001	<0.001		<0.001	<0.001		0.52	0.63
H1000's	—			—			—			—			—			—			—			—			—			—		
H2000's	7.9 (4.0 to 12)			-0.02 (-0.03 to -0.01)			-3.2 (-6.6 to 0.30)			0.05 (0.03 to 0.06)			-0.40 (-0.51 to -0.30)			2.1 (-0.23 to 4.5)			0.00 (0.00 to 0.00)			-0.60 (-0.77 to -0.42)			-0.80 (-1.0 to -0.59)			0.00 (-0.04 to 0.04)		
H3000's	12 (8.7 to 16)			-0.03 (-0.04 to -0.02)			0.32 (-2.9 to 3.6)			0.01 (0.00 to 0.03)			-0.58 (-0.68 to -0.49)			0.96 (-1.3 to 3.2)			0.00 (0.00 to 0.00)			-0.86 (-1.0 to -0.70)			-1.2 (-1.4 to -0.98)			0.02 (-0.02 to 0.05)		
speed_cond_num * group_char		0.12	0.16		<0.001	<0.001		0.10	0.10		<0.001	<0.001		<0.001	<0.001		0.19	0.21		0.081	0.11		<0.001	<0.001		<0.001	<0.001		0.073	0.15
speed_cond_num * H2000's	-2.0 (-6.5 to 2.6)			0.01 (0.00 to 0.03)			3.6 (-0.66 to 7.9)			-0.05 (-0.06 to -0.03)			0.41 (0.27 to 0.55)			-1.8 (-4.9 to 1.2)			0.00 (0.00 to 0.01)			0.63 (0.38 to 0.87)			0.81 (0.53 to 1.1)			0.04 (0.01 to 0.08)		
speed_cond_num * H3000's	-4.5 (-8.8 to -0.22)			0.02 (0.01 to 0.03)			-0.81 (-4.8 to 3.2)			-0.02 (-0.03 to 0.00)			0.57 (0.43 to 0.70)			0.98 (-1.9 to 3.8)			0.00 (0.00 to 0.00)			0.88 (0.65 to 1.1)			1.1 (0.87 to 1.4)			0.01 (-0.02 to 0.05)		
subj_char.sd__(Intercept)	3.7 (NA to NA)			0.01 (NA to NA)			2.9 (NA to NA)			0.02 (NA to NA)			0.06 (NA to NA)			1.8 (NA to NA)			0.00 (NA to NA)			0.08 (NA to NA)			0.13 (NA to NA)			0.04 (NA to NA)		
Residual.sd__Observation	4.0 (NA to NA)			0.01 (NA to NA)			3.7 (NA to NA)			0.01 (NA to NA)			0.12 (NA to NA)			2.7 (NA to NA)			0.00 (NA to NA)			0.21 (NA to NA)			0.24 (NA to NA)			0.03 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing

Cluster:	13																													
	APexc COV			APexc			MLexc COV			MLexc			Step Dur			UDexc COV			UDexc			Stance Dur			GaitCycle Dur			Peak UpDown Vel		
Characteristic	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**	**Beta (95% CI)**	**p-value**	**q-value**
(Intercept)	17 (14 to 20)	<0.001	<0.001	0.08 (0.08 to 0.09)	<0.001	<0.001	11 (8.7 to 13)	<0.001	<0.001	0.12 (0.11 to 0.13)	<0.001	<0.001	1.6 (1.5 to 1.7)	<0.001	<0.001	21 (20 to 23)	<0.001	<0.001	0.01 (0.00 to 0.01)	<0.001	<0.001	2.4 (2.2 to 2.5)	<0.001	<0.001	3.2 (3.0 to 3.3)	<0.001	<0.001	0.01 (-0.02 to 0.03)	0.61	0.71
speed_cond_num	-2.7 (-6.1 to 0.73)	0.12	0.16	-0.04 (-0.05 to -0.03)	<0.001	<0.001	5.4 (2.6 to 8.3)	<0.001	<0.001	-0.07 (-0.08 to -0.06)	<0.001	<0.001	-1.1 (-1.2 to -0.96)	<0.001	<0.001	-15 (-17 to -13)	<0.001	<0.001	0.03 (0.02 to 0.03)	<0.001	<0.001	-1.7 (-1.9 to -1.6)	<0.001	<0.001	-2.1 (-2.3 to -1.9)	<0.001	<0.001	0.37 (0.34 to 0.40)	<0.001	<0.001
group_char		<0.001	<0.001		<0.001	<0.001		0.39	0.52		<0.001	<0.001		<0.001	<0.001		0.27	0.27		0.39	0.39		<0.001	<0.001		<0.001	<0.001		0.46	0.71
H1000's	—			—			—			—			—			—			—			—			—			—		
H2000's	7.5 (3.0 to 12)			-0.02 (-0.03 to -0.01)			-2.4 (-6.1 to 1.4)			0.03 (0.02 to 0.05)			-0.46 (-0.57 to -0.34)			2.2 (-0.48 to 4.8)			0.00 (-0.01 to 0.00)			-0.70 (-0.88 to -0.51)			-0.91 (-1.1 to -0.69)			0.01 (-0.03 to 0.05)		
H3000's	13 (8.3 to 17)			-0.02 (-0.03 to -0.02)			0.00 (-3.5 to 3.5)			0.03 (0.01 to 0.05)			-0.58 (-0.68 to -0.47)			1.1 (-1.4 to 3.6)			0.00 (0.00 to 0.01)			-0.87 (-1.0 to -0.70)			-1.2 (-1.4 to -0.94)			0.02 (-0.01 to 0.06)		
speed_cond_num * group_char		0.68	0.68		0.004	0.004		0.57	0.57		<0.001	<0.001		<0.001	<0.001		0.18	0.24		0.082	0.11		<0.001	<0.001		<0.001	<0.001		0.71	0.71
speed_cond_num * H2000's	-2.3 (-7.7 to 3.2)			0.02 (0.00 to 0.03)			2.3 (-2.2 to 6.8)			-0.03 (-0.05 to -0.01)			0.47 (0.32 to 0.63)			-1.8 (-5.1 to 1.5)			0.00 (0.00 to 0.01)			0.74 (0.47 to 1.0)			0.95 (0.64 to 1.3)			0.02 (-0.02 to 0.06)		
speed_cond_num * H3000's	-1.7 (-6.8 to 3.5)			0.02 (0.01 to 0.03)			0.15 (-4.1 to 4.4)			-0.03 (-0.04 to -0.01)			0.54 (0.40 to 0.69)			1.5 (-1.7 to 4.6)			0.00 (-0.01 to 0.00)			0.86 (0.61 to 1.1)			1.1 (0.80 to 1.4)			0.00 (-0.03 to 0.04)		
subj_char.sd__(Intercept)	3.5 (NA to NA)			0.01 (NA to NA)			3.1 (NA to NA)			0.02 (NA to NA)			0.06 (NA to NA)			1.9 (NA to NA)			0.00 (NA to NA)			0.07 (NA to NA)			0.12 (NA to NA)			0.04 (NA to NA)		
Residual.sd__Observation	4.4 (NA to NA)			0.01 (NA to NA)			3.6 (NA to NA)			0.01 (NA to NA)			0.12 (NA to NA)			2.7 (NA to NA)			0.00 (NA to NA)			0.21 (NA to NA)			0.25 (NA to NA)			0.03 (NA to NA)		

[1] CI = Confidence Interval

[2] False discovery rate correction for multiple testing