

ALTERNATIVE - Fear Conditioning ALTHRW L_FEA_001

Parameters and Metadata

ALTERNATIVE - Conditioning Baseline Freeze Count ALTHR

WL_FEA_001_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - conditioning_baseline_freeze_count

ALTERNATIVE - Conditioning Baseline Freezing Time ALTH

RWL_FEA_002_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - conditioning_baseline_freezing_time

ALTERNATIVE - Conditioning Baseline % Freezing Time A LTHRWL_FEA_003_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - conditioning_baseline_freezing_time

Derivation: mul(div('HRWL_FEA_002_001', 'HRWL_FEA_027_001'), 100)

ALTERNATIVE - Conditioning Tone Freeze Count ALTHRWL_FEA_004_001 | v1.0

seriesParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - conditioning_tone_freeze_count

Increments: Minimum 1

ALTERNATIVE - Conditioning Tone Freezing Time ALTHRWL_FEA_005_001 | v1.0

seriesParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - conditioning_tone_freezing_time

Increments: Minimum 1

ALTERNATIVE - Conditioning Tone % Freezing Time ALTHR

WL_FEA_006_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - conditioning_tone_freezing_time

Derivation:

```
mul(div(sumOfIncrements('HRWL_FEA_005_001', 'HRWL_FEA_034_001'), mul  
      ('HRWL_FEA_030_001', 'HRWL_FEA_034_001')), 100)
```

ALTERNATIVE - Conditioning Post-shock Freeze Count AL

THRWL_FEA_007_001 | v1.0

seriesParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - conditioning_post_shock_freeze_count

Increments: Minimum 1

ALTERNATIVE - Conditioning Post-shock Freezing Time A

LTHRWL_FEA_008_001 | v1.0

seriesParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - conditioning_post_shock_freezing_time

Increments: Minimum 1

ALTERNATIVE - Conditioning Post-shock % Freezing

Time ALTHRWL_FEA_009_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - conditioning_post_shock_freezing_time

Derivation:

```
mul(div(sumOfIncrements('HRWL_FEA_008_001', 'HRWL_FEA_034_001'), mul  
('HRWL_FEA_033_001', 'HRWL_FEA_034_001')), 100)
```

ALTERNATIVE - Context Freeze Count ALTHRWL_FEA_010_001 |

v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - context_freeze_count

ALTERNATIVE - Context Freezing Time ALTHRWL_FEA_011_001 |

v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - context_freezing_time

ALTERNATIVE - Context % Freezing Time ALTHRWL_FEA_012_0

01 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - context_freezing_time

Derivation: $\text{mul}(\text{div}(\text{'HRWL_FEA_011_001'}, \text{'HRWL_FEA_044_001'}), 100)$

ALTERNATIVE - Cue Baseline Freeze Count ALTHRWL_FEA_01

3_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - cue_baseline_freeze_count

ALTERNATIVE - Cue Baseline Freezing Time ALTHRWL_FEA_0

14_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - cue_baseline_freezing_time

ALTERNATIVE - Cue Baseline % Freezing Time ALTHRWL_FE

A_015_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - cue_baseline_freezing_time

Derivation: $\text{mul}(\text{div}(\text{'HRWL_FEA_014_001'}, \text{'HRWL_FEA_052_001'}), 100)$

ALTERNATIVE - Cue Tone Freeze Count ALTHRWL_FEA_016_001

| v1.0

seriesParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - cue_tone_freeze_count

Increments: Minimum 1

ALTERNATIVE - Cue Tone Freezing Time ALTHRWL_FEA_017_001

| v1.0

seriesParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - cue_tone_freezing_time

Increments: Minimum 1

ALTERNATIVE - Cue Tone % Freezing Time ALTHRWL_FEA_018_001

| v1.3

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - cue_tone_freezing_time

Derivation:

mul(div(incrementValue('HRWL_FEA_017_001', 1), 'HRWL_FEA_056_001'), 100)

ALTERNATIVE - Conditioning: Date and time ALTHRWL_FEA_0

19_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - conditioning_date_and_time

ALTERNATIVE - Conditioning: Room acclimation time ALT

HRWL_FEA_020_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: min

Description: ALTERNATIVE - conditioning_room_acclimation_time

Options: 30,

ALTERNATIVE - Conditioning: White house light level in arena

ALTHRWL_FEA_021_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: Lux

Description: ALTERNATIVE - conditioning_white_house_light_level_in_arena

Options: 26,

ALTERNATIVE - Conditioning: Olfactory cue

ALTHRWL_FEA_022_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - conditioning_olfactory_cue

Options: None,

ALTERNATIVE - Conditioning: Mouse arena shape

ALTHRWL_FEA_023_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - conditioning_mouse_arena_shape

Options: Square,

ALTERNATIVE - Conditioning: Mouse arena dimension ALT

HRWL_FEA_024_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: cm

Description: ALTERNATIVE - conditioning_mouse_arena_dimension

Options: 16.6 L X 17 W X 25 H cm,

ALTERNATIVE - Conditioning: Mouse arena colour ALTHRW

L_FEA_025_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - conditioning_mouse_arena_colour

Options: Clear,

ALTERNATIVE - Conditioning: Mouse arena floor ALTHRWL_

FEA_026_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - conditioning_mouse_arena_floor

Options: Metal grill,

ALTERNATIVE - Conditioning: Length of time baseline ALT

HRWL_FEA_027_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - conditioning_length_of_time_baseline

Options: 150,

ALTERNATIVE - Conditioning: Tone stimulus intensity (dB; conditioned stimulus) ALTHRWL_FEA_028_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: dB

Description:

ALTERNATIVE - conditioning_tone_stimulus_intensity_db_conditioned_stimulus

Options: 70,

ALTERNATIVE - Conditioning: Tone stimulus frequency (Hz; conditioned stimulus) ALTHRWL_FEA_029_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: kHz

Description:

ALTERNATIVE - conditioning_tone_stimulus_frequency_hz_conditioned_stimulus

ALTERNATIVE - Conditioning: Length of time tone stimulus ALTHRWL_FEA_030_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - conditioning_length_of_time_tone_stimulus

Options: 5,

ALTERNATIVE - Conditioning: Shock Stimulus intensity (unconditioned stimulus) ALTHRWL_FEA_031_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: mA

Description:

ALTERNATIVE - conditioning_shock_stimulus_intensity_unconditioned_stimulus

Options: 0.5,

ALTERNATIVE - Conditioning: Length of time shock stimulus ALTHRWL_FEA_032_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - conditioning_length_of_time_shock_stimulus

Options: 0.5,

ALTERNATIVE - Conditioning: Length of time no stimulus

ALTHRWL_FEA_033_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - conditioning_length_of_time_no_stimulus

Options: 150,

ALTERNATIVE - Conditioning: No. of stimulus presentations ALTHRWL_FEA_034_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - conditioning_no_of_stimulus_presentations

Options: 3,

ALTERNATIVE - Conditioning: Total time ALTHRWL_FEA_035_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - conditioning_total_time

Options: 616.5,

ALTERNATIVE - Context: Date and time ALTHRWL_FEA_036_001

| v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - context_date_and_time

Options: Conditioning +24h,

ALTERNATIVE - Context: Room acclimation time ALTHRWL_FEA_037_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: min

Description: ALTERNATIVE - context_room_acclimation_time

Options: 30,

ALTERNATIVE - Context: White house light level in arena

ALTHRWL_FEA_038_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: Lux

Description: ALTERNATIVE - context_white_house_light_level_in_arena

Options: 26,

ALTERNATIVE - Context: Olfactory cue ALTHRWL_FEA_039_001 |

v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - context_olfactory_cue

Options: None,

ALTERNATIVE - Context: Mouse arena shape ALTHRWL_FEA_0

40_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - context_mouse_arena_shape

Options: Square,

ALTERNATIVE - Context: Mouse arena dimension ALTHRWL_

FEA_041_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: cm

Description: ALTERNATIVE - context_mouse_arena_dimension

Options: 16.6 cm L X 17 cm W X 25 cm H,

ALTERNATIVE - Context: Mouse arena colour ALTHRWL_FEA_

042_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - context_mouse_arena_colour

Options: Clear,

ALTERNATIVE - Context: Mouse arena floor ALTHRWL_FEA_04

3_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - context_mouse_arena_floor

Options: Metal grill,

ALTERNATIVE - Context: Total time ALTHRWL_FEA_044_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - context_total_time

Options: 300,

ALTERNATIVE - Cue: Date and time ALTHRWL_FEA_045_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - cue_date_and_time

Options: Context + 4h,

ALTERNATIVE - Cue: White house light level in arena ALTH

RWL_FEA_046_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: Lux

Description: ALTERNATIVE - cue_white_house_light_level_in_arena

Options: 16,

ALTERNATIVE - Cue: Olfactory cue ALTHRWL_FEA_047_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - cue_olfactory_cue

Options: Vanillin,

ALTERNATIVE - Cue: Mouse arena shape ALTHRWL_FEA_048_0 01 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - cue_mouse_arena_shape

Options: Cylinder,

ALTERNATIVE - Cue: Mouse arena dimension ALTHRWL_FEA_

049_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: cm

Description: ALTERNATIVE - cue_mouse_arena_dimension

Options: 20 cm dia X 30 cm H,

ALTERNATIVE - Cue: Mouse arena colour ALTHRWL_FEA_050_0

01 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - cue_mouse_arena_colour

Options: Black and white,

ALTERNATIVE - Cue: Mouse arena floor ALTHRWL_FEA_051_001

| v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - cue_mouse_arena_floor

ALTERNATIVE - Cue: Length of time baseline ALTHRWL_FEA_

052_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - cue_length_of_time_baseline

Options: 180,

ALTERNATIVE - Cue: Tone Stimulus intensity (conditioned stimulus) ALTHRWL_FEA_053_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: dB

Description: ALTERNATIVE - cue_tone_stimulus_intensity_conditioned_stimulus

Options: 70,

ALTERNATIVE - Cue: Tone stimulus frequency (conditioned stimulus) ALTHRWL_FEA_054_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: kHz

Description: ALTERNATIVE - cue_tone_stimulus_frequency_conditioned_stimulus

ALTERNATIVE - Cue: Length of time tone stimulus ALTHRWL_FEA_055_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - cue_length_of_time_tone_stimulus

Options: 5,

ALTERNATIVE - Cue: Length of time no stimulus ALTHRWL_FEA_056_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - cue_length_of_time_no_stimulus

Options: 55,

ALTERNATIVE - Cue: No. of stimulus presentations ALTHR

WL_FEA_057_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - cue_no_of_stimulus_presentations

Options: 3,

ALTERNATIVE - Cue: Total time ALTHRWL_FEA_058_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - cue_total_time

Options: 360,

ALTERNATIVE - Mouse arenaID ALTHRWL_FEA_059_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - mouse_arenaid

Options: Arena 1, Arena 2, Arena 3, Arena 4,

ALTERNATIVE - Equipment ID ALTHRWL_FEA_060_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - equipment_id

Options: Machine A,

ALTERNATIVE - Equipment Manufacturer ALTHRWL_FEA_061_0

01 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - equipment_manufacturer

Options: Ugo Basile,

ALTERNATIVE - Equipment Model ALTHRWL_FEA_062_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - equipment_model

ALTERNATIVE - Tracking Method ALTHRWL_FEA_063_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - tracking_method

Options: Video tracking,

ALTERNATIVE - Software ALTHRWL_FEA_064_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - software

Options: Anymaze,

ALTERNATIVE - Sound generator manufacturer ALTHRWL_FE

A_065_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - sound_generator_manufacturer

Options: Ugo Basile,

ALTERNATIVE - Sound generator model ALTHRWL_FEA_066_001

| v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - sound_generator_model

ALTERNATIVE - Sound-proof box dimension ALTHRWL_FEA_0

67_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - sound_proof_box_dimension

ALTERNATIVE - Experimenter ID Day 1 ALTHRWL_FEA_068_001 |

v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - experimenter_id_day_1

ALTERNATIVE - Experimenter ID Day 2 Context ALTHRWL_FE

A_069_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - experimenter_id_day_2_context

ALTERNATIVE - Date equipment last calibrated (shock) AL

THRWL_FEA_070_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - date_equipment_last_calibrated_shock

ALTERNATIVE - Date equipment last calibrated (tone) ALTH

RWL_FEA_071_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - date_equipment_last_calibrated_tone

ALTERNATIVE - Freeze definition ALTHRWL_FEA_072_001 | v1.0

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Unit Measured: s

Description: ALTERNATIVE - freeze_definition

Options: 1,

ALTERNATIVE - Difference in Context and Conditioning

Baseline % Freezing ALTHRWL_FEA_073_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE -

Derivation:

```
sub(mul(div('HRWL_FEA_011_001', 'HRWL_FEA_044_001'), 100), mul(div('HRWL_FEA_002_001', 'HRWL_FEA_027_001'), 100))
```

ALTERNATIVE - Difference in Cue Tone and Cue Baseline % Freezing ALTHRWL_FEA_074_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE -

Derivation:

```
sub(mul(div(incrementValue('HRWL_FEA_017_001', 1), 'HRWL_FEA_056_001'), 100), mul(div('HRWL_FEA_014_001', 'HRWL_FEA_052_001'), 100))
```

ALTERNATIVE - Difference in Conditioning Post-shock and Conditioning Baseline % Freezing ALTHRWL_FEA_075_001 | v1

.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE -

Derivation:

```
sub(mul(div(sumOfIncrements('HRWL_FEA_008_001', 'HRWL_FEA_034_001'), mul  
('HRWL_FEA_033_001', 'HRWL_FEA_034_001')), 100), mul(div('HRWL_FEA_002_001',  
'HRWL_FEA_027_001'), 100))
```

ALTERNATIVE - Experimenter ID Day 2 Cue ALTHRWL_FEA_076 _001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE -
