Supplementary Table 10 – Concentration dependent local structural response curves relative to single conformotypic peptides.

Isothermal dose response experiments (Log$_2$ of structural responses over doses of ATP) for each conformotypic peptide. The title of each graph indicates the Uniprot ID of the ATP binding protein followed by the peptide sequence.

Means of $C_0$ centered log$_2$ abundances were calculated over at least three biological replicates. Secondary axes of indicate the coefficient of variations (CV) of the abundances of peptides measured at a fixed concentration of metabolite calculated over at least three biological replicates. Fitted curves inferred with a sigmoidal dose-response model are plotted with grey lines.

The estimated half-maximum concentration parameter is reported below the X-axis. If the concentration was below the lowest (not-vehicle) concentration (ATP 1 mM), the EC50 has not to be considered valid, and has to be assigned a value < 1 mM, since less than three points were measured between the vehicle control concentration and the measured EC50.
P0A6A3_MLNKPVEELNIITC

![Graph showing the structural response (log2) as a function of dose ATP (mM)].

- structural response (log2) vs. dose ATP (mM)
- CV measured
P0A6A3_TILAQKPELSAQLTAIGHR

structural response (log2)

CV measured

dose ATP (mM)

6.21157197885017
The graph shows a plot of structural response (log2) against dose ATP (mM). The data points are indicated with error bars, and a smooth curve fits the trend. The structural response decreases as the dose of ATP increases, with the log2 values ranging from approximately -6 to 0. The dose ATP values range from 0 to 25 mM.
P0A6H1_FGLIPEFIGR

structural response (log2)

dose ATP (mM)
P0A6H1_ILFICGGAFAGLDK

structural response (log2)

dose ATP (mM)
The graph shows the structural response (log2) on the y-axis, measured in CV, and the dose of ATP (mM) on the x-axis. The data points are represented by red circles with error bars indicating the range of variation. The curve fits the data well, indicating a positive correlation between the dose of ATP and the structural response. The sequence P0A6H5_SGAFQIAKPSDLIPELQGR is highlighted, suggesting it is relevant to the study.
P0A6I0_AVAPLVPAADALVLDSTTL

![Graph showing dose ATP (mM) vs. structural response (log2)]

- X-axis: dose ATP (mM)
- Y-axis: structural response (log2)
- CV measured

The graph illustrates the relationship between dose ATP and structural response, with error bars indicating variability.
P0A6I0_GFSVNFER

- **Dose ATP (mM)**
- **Structural response (log2)**
- **CV measured**
P0A610_MLQLQEK

- Structural response (log2)
- CV measured

Dose ATP (mM):

- 0
- 10
- 20
- 25

Values:
- 4.42025349030425
- 0.0
- 0.5
- 1.0
- 1.5
- 2.0
- 2.5

CV measured:

- 0
- 20
- 40
- 60
- 80
- 100
P0A6Y8_DVNPDEAVAIGAAVQGGVLTGDVK

![Graph showing dose ATP (mM) vs. structural response (log2)](image)

- **Dose ATP (mM)**: 0, 5, 10, 15, 20, 25
- **Structural response (log2)**: Measured values
- **CV measured**
P0A6Z1_SGQAETLADHEGR

structural response (log2)

dose ATP (mM)

CV measured
P0A6Z3_SFLESLGSDQAK

![Graph showing dose ATP (mM) vs. structural response (log2)](image)

- **Dose ATP (mM):** The x-axis represents the dose of ATP in millimolar units.
- **Structural response (log2):** The y-axis represents the structural response in log2 scale.
- **CV measured:** The y-axis on the right side represents the coefficient of variation measured.

The graph illustrates the relationship between the dose of ATP and the structural response, with data points showing variability around the fitted curve.
P0A7G6_TCAFIDAEHALDPIYAR

![Graph showing the structural response (log2) as a function of the dose ATP (mM). The graph includes error bars for CV measured.](image)

- **x-axis**: dose ATP (mM)
- **y-axis**: structural response (log2)
- **Graph Title**: P0A7G6_TCAFIDAEHALDPIYAR
**Graph**

**Title:** P0A7J3_EAGVYMR

**Y-axis:** structural response (log2)

**X-axis:** dose ATP (mM)

Data points are plotted with error bars indicating variability. The curve suggests a decreasing trend in structural response with increasing dose of ATP.
P0A7K2_VAAGPVEAAEEK

![Graph showing structural response (log2) vs. dose ATP (mM)]

- Structural response (log2) is plotted on the vertical axis.
- Dose ATP (mM) is plotted on the horizontal axis.
- The graph includes data points with error bars indicating the CV measured values.
structural response (log2)

dose ATP (mM)

CV measured
P0A7L8_RFGGESVLAGSIIVR

structural response (log2)

dose ATP (mM)

CV measured
Dose ATP (mM) vs. Structural Response (log2) for P0A7M2_KGIDTVLAEL.

The graph shows the relationship between the dose of ATP (mM) and the measured structural response (log2). The x-axis represents the dose of ATP in mM, ranging from 0 to 25, while the y-axis represents the structural response in log2, ranging from 0 to 2.5.

The data points indicate a trend where the structural response increases with increasing dose of ATP, reaching a plateau at higher doses.

CV measured values are also indicated on the graph, with error bars showing the variability of the measurements.
P0A7M2_RFVTLR

![Graph showing the structural response (log2) as a function of dose ATP (mM).](image-url)
P0A7M9_STVGHDLNLDC

structural response (log2)

dose ATP (mM)

CV measured
P0A7M9_TVGHDLNLDVCSK

![Graph showing structural response (log2) vs. dose ATP (mM)].

- Structural response (log2) vs. dose ATP (mM).
- CV measured on the y-axis.
P0A7M9_YEEITASCSCGNVM

![Graph showing structural response (log2) vs. dose ATP (mM). The x-axis represents the dose of ATP in mM, ranging from 0 to 25. The y-axis represents the structural response in log2, ranging from 0 to 2. The graph includes data points with error bars indicating variability.](image-url)
P0A7R1_GSLGDQVNVK

![Graph showing the structural response (log2) against dose ATP (mM). The graph includes error bars and data points, with the x-axis labeled as 'dose ATP (mM)' and the y-axis labeled as 'structural response (log2)'.]
P0A7R1_VANLGSGLGDQVNVK

![Graph showing dose ATP (mM) vs structural response (log2)]
P0A7R5_RLVDIVEPTEK

![Graph showing the structural response (log2) against dose ATP (mM). The graph includes data points with error bars, and the x-axis represents dose ATP (mM) ranging from 0 to 25, while the y-axis represents structural response (log2) ranging from 0 to 1.2. The data points are marked with red circles, and the error bars indicate variability. The graph also includes a trend line through the data points.]
A graph showing the structural response (log2) against the dose of ATP (mM). The x-axis represents the dose ATP in mM, ranging from 0 to 25, and the y-axis represents the structural response (log2), ranging from -3 to 0. The graph shows a decreasing trend as the dose of ATP increases.
P0A7R5_VRGPIPLPTRLK

![Graph showing dose-response relationship for P0A7R5_VRGPIPLPTRLK](image)

- **x-axis**: Dose ATP (mM)
- **y-axis**: Structural response (log2)
- **Graph Description**: The graph illustrates the relationship between the dose of ATP and the structural response (log2) for P0A7R5_VRGPIPLPTRLK. The data points and error bars indicate variability in the response at different doses. The curve suggests a saturating response as the dose increases.

**CV measured values**: The CV measured values are indicated on the y-axis, showing the variability in the structural response across different doses.
P0A7R9_FNNTIVTITDR

Structural response (log2) vs. dose ATP (mM)

CV measured
P0A7R9_NLEVMVK

![Graph showing the structural response (log2) as a function of dose ATP (mM). The x-axis represents the dose ATP (mM) ranging from 0 to 25, and the y-axis represents the structural response (log2) ranging from -2.5 to 0.0. The graph includes error bars and a fitted curve.](image-url)
P0A7S9_IAGINIPDHK

structural response (log2)

dose ATP (mM)

CV measured

4.47330166309934
Dose ATP (mM) vs. Structural response (log2) with CV measured.
The graph shows the relationship between the dose of ATP (mM) and the structural response (log2) for the protein P0A7U3_GPFIDLH. The x-axis represents the dose of ATP (mM), ranging from 0 to 25, with a measured 4.37844774990439 mM dose. The y-axis represents the structural response (log2), ranging from 0 to 4. The graph includes error bars indicating the variability of the measured CV values.
P0A7U3_GPFIDLHLLK

![Graph showing the structural response (log2) against dose ATP (mM). The x-axis represents the dose ATP (mM) ranging from 0 to 25, while the y-axis represents the structural response (log2) ranging from -1.5 to 0.0. The data points are shown with error bars indicating the CV measured.](image)
P0A7U3_KGPFIDLHLLK

structure response (log2)

CV measured

dose ATP (mM)

9.34979062880089
The graph shows the structural response (log2) plotted against the dose of ATP (mM). The x-axis represents the dose of ATP ranging from 0 to 25 mM, while the y-axis represents the structural response in log2 scale, ranging from 0 to 2.5. The data points are accompanied by error bars indicating the variability of the measurements. The curve suggests a non-linear relationship between the dose of ATP and the structural response.
The graph shows the structural response (log2) plotted against the dose of ATP (mM). The x-axis represents the dose of ATP in mM, ranging from 0 to 25. The y-axis represents the structural response (log2), ranging from 0 to 3. The data points are accompanied by error bars indicating variability. The curve suggests a non-linear relationship between the dose of ATP and the structural response.
P0A7V0_MKPFIFGAR

structural response (log2)

dose ATP (mM)

CV measured
P0A7V3_SITSQLER

Graph showing the structural response (log2) as a function of dose ATP (mM). The y-axis represents the structural response in log2 scale, and the x-axis represents the dose ATP in mM. The data points are accompanied by error bars indicating variability. The CV measured is shown on the right side of the graph.
P0A7V3_VTIHTAR

![Graph showing dose ATP (mM) vs. structural response (log2)](image)

- X-axis: dose ATP (mM)
- Y-axis: structural response (log2)
- CV measured in the graph.
P0A7V8_MGFGATR

The graph shows a relationship between dose ATP (mM) and structural response (log2). The x-axis represents the dose ATP (mM) ranging from 0 to 25, while the y-axis represents the structural response (log2) ranging from −1.2 to 0.0. The graph includes data points with error bars, indicating variability in the structural response measurements. A curve fit through the data points suggests a decreasing trend in structural response as the dose ATP increases.
The graph shows the relationship between the structural response (log2) and the dose of ATP (mM) for the protein P0A7W1_AREVPAAIQK. The x-axis represents the dose of ATP (mM) ranging from 0 to 25, while the y-axis represents the structural response (log2) ranging from -2.5 to 0.0. The data points are plotted with error bars indicating variability in the measurements. A linear trend line is drawn through the data points, suggesting a negative correlation between the dose of ATP and the structural response.
P0A7W1_AVLEVAGVHNVLAK

structural response (log2) vs. dose ATP (mM)

CV measured
P0A7W1_EVPAAAIQK

Graph showing the relationship between dose ATP (mM) and structural response (log2). The x-axis represents the dose ATP in mM, ranging from 0 to 25, and the y-axis represents the structural response in log2, ranging from −2.0 to 0.0. The graph includes data points with error bars showing the variability in the CV measured.
The graph shows the structural response (log2) as a function of the dose of ATP (mM). The x-axis represents the dose of ATP, ranging from 0 to 25 mM, and the y-axis represents the structural response (log2), ranging from 0 to 2.0. The data points are indicated with error bars, and the curve fits the data well. The CV (coefficient of variation) measured is shown on the right y-axis, ranging from 0 to 100.
P0A7W1_VFMQPASEGTGIIAGGAMR

![Graph depicting structural response (log2) vs. dose ATP (mM). The x-axis represents dose ATP (mM) ranging from 0 to 25, and the y-axis represents structural response (log2) ranging from -4 to 0. The graph shows a decreasing trend with increasing dose of ATP.](image-url)
The image shows a graph with the title "P0A7W7_EEGFIEDFK". The x-axis represents the dose of ATP (mM) ranging from 0 to 25, with data points at various concentrations. The y-axis represents the structural response (log2), ranging from 0.0 to -2.0, with data points indicating a decrease in response as the dose increases. The graph includes error bars for some data points, indicating variability. The equation 7.13872883546432 is also present, possibly as a reference or parameter value.
P0A7W7_QAGLGGEIICY

![Graph showing structural response (log2) vs. dose ATP (mM)].

- X-axis: dose ATP (mM)
- Y-axis: structural response (log2)
- Data points with error bars indicating variability.
P0A7W7_VMAGLGIAVVSTSK

structural response (log2) vs. dose ATP (mM)

CV measured
P0A7X3_QPLELVDMVEKL

structural response (log2)
dose ATP (mM)
CV measured

3.98901603006468
0.0
5.0
10.0
15.0
20.0
25.0
0.0
0.5
1.0
1.5
2.0
0
20
40
60
80
100
P0A8F0_LVSNIIDER

**Graph:**
- **X-axis:** dose ATP (mM)
- **Y-axis:** structural response (log2)

The graph shows a linear relationship between the dose of ATP (in mM) and the structural response (in log2 scale). The data points are plotted with error bars indicating the variability in the measured CV.
P0A8H6_SAEQSWVDMAK

![Graph showing structural response (log2) vs. dose ATP (mM)]

- Structural response (log2) vs. dose ATP (mM)
- CV measured
P0A9A6_GIAELITRPGLMNVDFADVR

structural response (log2)

dose ATP (mM)

CV measured
P0A9G6_RTDADAADLITSDCDPYDSEFITGER

structural response (log2)

dose ATP (mM)

CV measured

4.64867324179607

0 5 10 15 20 25

0 0.5 1.0 1.5

0 20 40 60 80 100

0 20 40
P0A9P4_ATCDGFFYR

![Graph showing structural response (log2) vs. dose ATP (mM)]

- Structural response (log2) vs. dose ATP (mM)
- CV measured
P0A9P4_NIASEVHLIHR

![Graph showing structural response (log2) vs. dose ATP (mM)].

Structural response (log2) is plotted against dose ATP (mM). The graph shows a trend where the structural response decreases as the dose of ATP increases. The data points are represented by markers with error bars indicating variability. The curve fitting the data suggests a logarithmic relationship between the structural response and the dose of ATP.
P0A9T0_FYDIENK

Graph showing the relationship between structural response (log2) and dose ATP (mM). The y-axis represents structural response in log2 units, and the x-axis represents dose ATP in mM. The graph includes data points with error bars indicating variability. The relationship is modeled with a curve that suggests an increase in structural response with increasing dose ATP.
P0A9X4_GMVLTGGGALLR

![Graph showing dose ATP (mM) vs. structural response (log2) with CV measured values.](image-url)
P0A9X4_IGGDRFDEAIINYVR

![Graph showing structural response (log2) as a function of dose ATP (mM). The data points are represented by circles with error bars, and a curve fits the data. The x-axis represents the dose ATP (mM), and the y-axis represents the structural response (log2). The data point at 0.5 is marked as 4.46757303810028.]
The graph shows the structural response (log2) on the y-axis and dose ATP (mM) on the x-axis. The data points are plotted with error bars indicating variability. The curve fits the data well, suggesting a dose-response relationship. The equation for the curve is given as 1.49898102970374. The CV measured values are also shown on the right side of the y-axis.
P0A705_QVPVVAVNK

**X-axis:** dose ATP (mM)

**Y-axis:** structural response (log2)

The graph shows a trend of structural response (log2) in relation to the dose of ATP (mM). The structural response values range from approximately -0.5 to 3.0 in log2 scale, while the dose range is from 0 to 25 mM.
P0A799_GGGAFLEFVEGK

![Graph showing structural response (log2) against dose ATP (mM).]
P0A812_AGSLTSPLR

structural response (log2)

dose ATP (mM)

CV measured

1.27336091292193
The graph illustrates the structural response (log2) as a function of the dose ATP (mM) for the sequence P0A850_ANDIDVPAALIDSEIDVLRR. The data points are plotted with error bars indicating the CV measured.
P0A850_ELMDNMR

![Graph showing the relationship between structural response (log2) and dose ATP (mM)].

- **X-axis**: dose ATP (mM)
- **Y-axis**: structural response (log2)
- **Legend**: CV measured

The graph illustrates the dose-response relationship for ATP, with the structural response measured in log2 scale. The CV measured data points are shown with error bars, indicating variability in the response.
P0A850_GKVMNIVAQR

Dose ATP (mM)

Structural response (log2)

CV measured

0 5 10 15 20 25

0 0.2 0.4 0.6 0.8 1.0 1.2

0 20 40 60 80 100
P0A850_GLIEEMASAYEDPK

structural response (log2)

cv measured

dose ATP (mM)
P0AA10_AEYTPHVDGTGDY

![Graph showing the structural response (log2) vs dose ATP (mM)]

- **x-axis**: dose ATP (mM)
- **y-axis**: structural response (log2)
- **CV measured**
P0AA10_AEYTPHVDGTYIIIVL

Graph showing the structural response (log2) as a function of dose ATP (mM). The x-axis represents the dose ATP (mM) ranging from 0 to 25, and the y-axis represents the structural response (log2) ranging from 0 to 1.5. The data points and error bars are indicated on the graph.
The graph shows the relationship between the structural response (log2) and the dose of ATP (mM). The x-axis represents the dose of ATP in mM, ranging from 0 to 25, and the y-axis represents the structural response in log2 scale, ranging from -3.5 to 0.

The data points are scattered across the graph, with error bars indicating the variability of the measurements. The line of best fit through the data points suggests a decrease in structural response as the dose of ATP increases.

The sequence P0AA10_DWYVVDATGK is shown at the top of the graph, which may be related to the protein sequence of interest in the study.
P0AA10_NEHNHAAQQPQVLDI

![Graph showing the structural response (log2) against dose ATP (mM). The x-axis represents the dose ATP (mM) ranging from 0 to 25, and the y-axis represents the structural response (log2) ranging from 0.0 to 3.0. The data points are plotted with error bars indicating the CV measured. The curve suggests a dose-response relationship, peaking around the dose of 1.90431626278849 mM.]
P0AA10_RDWYVVDATGK

structural response (log2) vs. dose ATP (mM)

CV measured
P0AA10_TFTAKPETV KR

Structural response (log2)

CV measured

dose ATP (mM)

-6 -5 -4 -3 -2 -1 0

0 5 10 15 20 25

0 20 40 60 80 100

5.47399161644194
P0AA10_TGHIIGGIIK

- **dose ATP (mM)**
- **structural response (log2)**
- **CV measured**
P0AA10_VIEIAVK

![Graph showing structural response (log2) against dose ATP (mM). The graph indicates a decrease in structural response with increasing dosages of ATP. The y-axis represents the structural response in log2 scale, ranging from -4 to 0. The x-axis represents the dose of ATP in mM, ranging from 0 to 25. The data points and trend line suggest a dose-dependent response.](image)
P0AA10_VYYHHTGHI GGIK

structural response (log2) vs. dose ATP (mM)

CV measured
P0AAB6_IQLTDAIAELAK

structural response (log2)

dose ATP (mM)

CV measured
The graph shows the structural response (log2) as a function of dose ATP (mM). The x-axis represents the dose ATP (mM) ranging from 0 to 25, while the y-axis represents the structural response (log2) ranging from 0 to 2.5. The data points are indicated with error bars, and the curve fits the data well. The x-axis value for a specific response is approximately 4.72495000783255 mM ATP.
P0AB24_ALFGDNTTK

![Graph showing structural response (log2) against dose ATP (mM). The x-axis represents the dose of ATP in mM, ranging from 0 to 25, while the y-axis represents the structural response in log2, ranging from -2.0 to 0.0. The graph includes data points with error bars and a smooth curve fitted to the data.](image-url)
P0ABH9_FDMSEYMER

![Graph showing structural response (log2) vs. dose ATP (mM)]

- **Structural response (log2)**
- **dose ATP (mM)**

CV measured
P0AC81_LSVDNAEACEK

The graph shows the structural response (log2) against the dose of ATP (mM). The response increases with increasing doses of ATP. The error bars indicate the variability in the measured CV.
A graph showing the structural response (log2) against the dose of ATP (mM). The x-axis represents the dose of ATP in mM, while the y-axis represents the structural response on a log2 scale. The graph includes error bars indicating the variability in the measured CVs.
The graph shows the structural response (log2) as a function of the dose of ATP (mM) for the sequence P0ADG7_NGFAGYPVVTEENELVGIITGR. The x-axis represents the dose ATP (mM) ranging from 0 to 25, and the y-axis represents the structural response (log2) from 0 to 1.2. The data points are plotted with error bars indicating variability. The curve is a model fit to the data, and the coefficient of variation (CV) measured is provided as 1.3539891639244.
P0ADY3_IQEQTMLNVADNSGAR

![Graph showing the structural response (log2) against dose ATP (mM)](image)

- Structural response (log2) on the y-axis
- Dose ATP (mM) on the x-axis
- CV measured on the right y-axis

Data points with error bars indicate the variability in the measured structural response with different doses of ATP.
P0ADY3_RPDGSVIRF

![Graph showing the structural response (log2) against dose ATP (mM). The graph displays a sigmoidal curve with data points and error bars. The y-axis represents the structural response on a log2 scale, ranging from 0 to 2.5. The x-axis represents the dose ATP (mM), ranging from 0 to 25. A CV measured value of 1.53795645598628 is indicated.]
P0ADY3_SEQPIGTR

![Graph showing structural response (log2) vs. dose ATP (mM)]

- X-axis: dose ATP (mM)
- Y-axis: structural response (log2)
- Data points with error bars indicate variability in CV measured
**P0ADY7_GVPEELAR**

![Graph](image)

- **Y-axis**: Structural response (log2)
- **X-axis**: Dose ATP (mM)

The graph shows a relationship between the dose of ATP (in mM) and the structural response (in log2 scale). The data points are plotted with error bars indicating the variability of the measured CV.
P0AE52_AGVDVLGISTDKPEK

The graph shows the relationship between the structural response (log2) and the dose of ATP (mM). The x-axis represents the dose of ATP (mM), ranging from 0 to 25, and the y-axis represents the structural response (log2), ranging from 0 to 1.5. The data points are plotted with error bars indicating the CV measured.
P0AE52_HVFDDDFK

![Graph showing the relationship between structural response (log2) and dose ATP (mM)](

Axes:
- Y-axis: Structural response (log2)
- X-axis: Dose ATP (mM)

Data points with error bars indicate the variability in the structural response across different doses of ATP.

The plot highlights a trend where the structural response decreases with increasing dose of ATP.
The graph shows the structural response (log2) in relation to the dose of ATP (mM). The x-axis represents the dose of ATP, ranging from 0 to 25 mM, and the y-axis represents the structural response on a log2 scale. The data points indicate a sigmoidal relationship, with the structural response increasing as the dose of ATP increases. The y-intercept of the curve is approximately 1.448, and the CV measured at different doses is represented by the error bars.
P0AEK2_IRAEFGEVDIL

structural response (log2)

dose ATP (mM)

CV measured
P0AEK2_LGGAQEIANGAVAF

![Graph showing the structural response (log2) against dose ATP (mM). The graph includes data points with error bars and a trend line. The x-axis represents the dose ATP (mM) ranging from 0 to 25, and the y-axis represents the structural response (log2) ranging from 0 to 1.5. There is also a column labeled 'CV measured' on the right side of the graph.](image-url)
P0AEP3_RQLLDEVQSICPPHVTIM

![Graph showing structural response (log2) vs. dose ATP (mM) with CV measured on the y-axis and dose ATP on the x-axis.](image_url)
The graph shows the structural response (log2) against the dose of ATP (mM) for the peptide P0AEP3_SADIWPLLA.

- The x-axis represents the dose of ATP (mM), ranging from 0 to 25.
- The y-axis represents the structural response (log2), ranging from 0 to 1.

Each data point is accompanied by an error bar indicating variability. The curve fitted to the data suggests a non-linear relationship between the dose of ATP and the structural response.
P0AEZ3_RTENLYILPASQTR

Structural response (log2) vs. dose ATP (mM).

CV measured.
The graph depicts the relationship between the dose of ATP (in mM) and the structural response (in log2 scale). The x-axis represents the dose of ATP, ranging from 0 to 25 mM, while the y-axis represents the structural response, ranging from 0 to 3.0 on a log2 scale. The data points are indicated with error bars, showing variability in the measured CV. The trend line suggests an initial rapid increase in structural response with increasing dose, followed by a plateau.
P0AF96_STQPAGAPDTDWLADK

![Graph showing the relationship between dose ATP (mM) and structural response (log2)].

- **x-axis**: dose ATP (mM)
- **y-axis**: structural response (log2)
- **Graph legend**: CV measured
The diagram shows the structural response (log2) plotted against the dose of ATP (mM). The x-axis represents the dose of ATP ranging from 0 to 25 mM, while the y-axis represents the structural response in log2 scale, ranging from -1.0 to 0.0. The data points are plotted with error bars indicating the variability in the measured CV.
P0AG51_ATLLGLGLLR

structural response (log2) vs dose ATP (mM)

CV measured
P0AG55_ALLNSMVIGVTEGFTK

structural response (log2)
dose ATP (mM)

CV measured
The graph shows the structural response (log2) plotted against the dose of ATP (mM). The response is measured in units of CV. The data points represent experimental measurements, and the curve illustrates the trend of the structural response as the dose of ATP changes.
P0AG55_GFSHPVDHQLPAGITAECPQTEIVLK

structural response (log2)
dose ATP (mM)
CV measured
P0AG55_GNVINLSLGFSHPVDHQLPAGITA

![Graph showing structural response vs. dose ATP (mM)](image)

- Structural response (log2) vs. dose ATP (mM)
- CV measured
P0AG55_KAPVVVPAGVDVK

structural response (log2)
dose ATP (mM)

CV measured

0.0 0.5 1.0 1.5 2.0 2.5
0 5 10 15 20 25
0 20 40 60 80 100

1.57959961138816
The graph shows the structural response (log2) as a function of the dose of ATP (mM). The x-axis represents the dose of ATP ranging from 0 to 25 mM, while the y-axis represents the structural response (log2) ranging from 0 to 3. The data points are indicated with error bars, and the graph includes a fitted curve that reaches a plateau at higher doses. The curve is labeled with the text "P0AG55_KLQLVGV."
P0AG55_QVIGQVAADLR

structural response (log2) vs. dose ATP (mM)
P0AG59_AII$$DYNASDEDR$

![Graph showing the structural response (log2) against dose ATP (mM). The x-axis represents the dose ATP (mM) ranging from 0 to 25, and the y-axis represents the structural response (log2) ranging from -1.0 to 0.0. The graph includes markers with error bars and a fitted curve. The CV measured is also shown on the right y-axis.]
P0AG59_AIISDVNASDEDRWNAV

structural response (log2)

CV measured

dose ATP (mM)

0.0 0.5 1.0 1.5 2.0 2.5

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

2.22783536986878
P0AG59_AIISDVNASDEDWRWNAVL

structural response (log2)

CV measured

dose ATP (mM)
P0AG59_LQTLPR

Structural response (log2) vs. dose ATP (mM). The structural response decreases as the dose of ATP increases. The graph shows data points with error bars indicating the variability of the measured response.
P0AG59_QTGRPHGFLR

structural response (log2)

dose ATP (mM)

CV measured
P0AG63_LHVHDBNNECDGIGDVVEIR

structural response (log2)

dose ATP (mM)

CV measured
P0C018_VQALADAAR

structural response (log2) vs. dose ATP (mM)
P00561_IPADHMVLMAGFTAGNEK

![Graph showing the structural response (log2) to different dose ATP (mM) values. There are data points with error bars indicating the variability in the measured CV.](image-url)
P00561_ITNHLVAMIEK

Graph showing the relationship between dose ATP (mM) and structural response (log2). The x-axis represents the dose ATP (mM) ranging from 0 to 25, and the y-axis represents the structural response (log2) ranging from 0 to 2.5. The graph includes error bars for the CV measured.
P00561_QGQVATVLSAPAK

The graph shows the relationship between the dose of ATP (mM) and the structural response (log2) measured by CV. The data points represent the structural response at different doses of ATP, with error bars indicating the variability in the measurements. The curve fits the data, indicating a sigmoidal dose-response relationship.
P00561_TFVDQEFAQIK

structural response (log2)

dose ATP (mM)

CV measured
P00561_TISGQDALPNISDAER

![Graph showing the relationship between structural response (log2) and dose ATP (mM). The graph includes error bars and a curve fitting the data. The x-axis represents the dose ATP (mM) from 0 to 25, and the y-axis represents the structural response (log2). The curve shows an increasing trend with a peak at around 1.5, and the error bars indicate variability in the measured CV.](image-url)
P00887_LASAVDTRF

structural response (log2)

dose ATP (mM)

CV measured
P0087_RIESLVTPAELALR

![Graph showing structural response (log2) vs. dose ATP (mM). The x-axis represents dose ATP (mM) ranging from 0 to 25, with values at 3.00917158902391, 5, 10, 15, 20, and 25. The y-axis represents structural response (log2) ranging from 0 to 1.2. The data points are marked with error bars, indicating the variability in the measured CV. The graph shows a trend of increasing structural response with increasing dose ATP.]
Dose ATP (mM) vs. Structural Response (log2) for P00934_ADLPLLSSH.

The data shows a log2 scale on the y-axis ranging from -1.5 to 0, and a dose ATP (mM) scale on the x-axis ranging from 0 to 25.

The structural response is measured in a log2 scale, with a notable decrease as the dose ATP increases.

The CV measured is represented by a line with error bars indicating variability at different doses.
The graph shows the structural response (log2) as a function of the dose of ATP (mM). The data points are labeled with a log2 value of approximately 2.49082201842763.
structural response (log2) vs. dose ATP (mM)
P02359_FVNILMVDGK

Graph showing the structural response (log2) on the y-axis and the dose ATP (mM) on the x-axis. The graph displays a linear trend with decreasing structural response as the dose ATP increases.
P02359_SIVYSALETLAQR

![Graph](image)

- Structure response (log2) vs. dose ATP (mM)
- CV measured

- Data points and error bars indicated for different doses of ATP.

- The graph shows a trendline that likely represents the relationship between ATP dose and structural response.
P02359_STAESIVYSALETLAQR

structural response (log2) vs. dose ATP (mM)

CV measured
P02359_TYQVPVEVRPVR

Graph showing the structural response (log2) against the dose ATP (mM). The graph includes data points with error bars, indicating the CV measured.
The graph shows the structural response (in log2) as a function of the dose of ATP (mM). The x-axis represents the dose of ATP in mM, ranging from 0 to 25, while the y-axis represents the structural response in log2, ranging from 0 to 1.5. The data points are plotted with error bars indicating the CV measured.
P02413_EVTTPVTVR

structural response (log2) vs. dose ATP (mM)

CV measured
P02413_KAAITAEIR

- Parameter: $2.17431853580157$
- $\text{dose ATP (mM)}$
- Structural response (log2)
- CV measured

Graph showing the relationship between dose ATP and structural response.
The graph shows a plot of structural response (log2) against dose ATP (mM) for a specific subject identifier (P06610_LEQEPGSDEEIK). The x-axis represents the dose of ATP in mM, ranging from 0 to 25, while the y-axis shows the structural response on a log2 scale, ranging from 0 to -1.5. Each data point is represented with a vertical error bar indicating the CV measured, which is not explicitly labeled but presumably reflects the variability in the response measurements. The trend line suggests a decrease in structural response with increasing dose of ATP.
P08178_ILEVSGCDPQTTLEDGKPLADHLLAPTR

structural response (log2)

CV measured

dose ATP (mM)
P08178_TFNCGVGMIIALPAPEVDK

![Graph showing structural response (log2) vs. dose ATP (mM)](image)

- **Y-axis:** Structural response (log2)
- **X-axis:** Dose ATP (mM)
P09980_SIDEDNIDEER

structural response (log2) vs. dose ATP (mM)

CV measured
P13035_IGLFMYDHLGK

![Graph showing the relationship between structural response (log2) and dose ATP (mM). The curve is smooth and the data points are plotted with error bars. The x-axis represents dose ATP (mM) ranging from 0 to 25, and the y-axis represents the structural response (log2) ranging from -3 to 3.0. The CV measured values are also indicated.]
P23909_AYTLNYTCPTFIDKPGIR

- **X-axis (dose ATP (mM))**: 0 5 10 15 20 25
- **Y-axis (structural response (log2))**: 0.0 0.5 1.0 1.5 2.0 2.5
- **CV measured**: 0 20 40 60 80 100

The graph shows a curve indicating the structural response (log2) at various doses of ATP (mM). The error bars represent the CV measured values. The data points are plotted against the dose ATP (mM) with a clear upward trend as the dose increases.
P25519_RGPGETQLETDRR

structural response (log2)

dose ATP (mM)

CV measured

2.03445441835986
P25519_TGLILDIFQAQR

![Graph showing structural response (log2) vs. dose ATP (mM)]

- Structural response (log2) on the y-axis.
- Dose ATP (mM) on the x-axis.
- Data points with error bars indicating variability in the measurements.
P25519_VYAADQLFATLDPTLRR

![Graph showing structural response (log2) vs. dose ATP (mM): The x-axis represents the dose of ATP (mM) ranging from 0 to 25, and the y-axis represents the structural response in log2 scale ranging from -8 to 0. There are data points and error bars indicating variability. The graph highlights a significant structural response decrease at low ATP doses.](image-url)
P27550_HTIPANIADR

structural response (log2) vs. dose ATP (mM)

CV measured
P30850_GETATRPQDEITVQMAER

![Graph showing the structural response (log2) versus dose ATP (mM). The graph includes a line of best fit with error bars representing CV measured. The x-axis represents dose ATP (mM) ranging from 0 to 25, and the y-axis represents structural response (log2) ranging from 0 to 1.0.](image-url)
P60422_AGDQIQSGVDAAIKPGNTLPMR

![Graph showing structural response (log2) against dose ATP (mM).]

- Structural response (log2) is plotted against dose ATP (mM).
- The graph shows a decreasing trend as the dose ATP increases.
- The coordinates provided are:
  - (0, 8.57167753344786)
  - (5, -1.2)
  - (10, -1.0)
  - (15, -0.8)
  - (20, -0.6)
  - (25, -0.4)

- The CV measured values are also plotted with error bars.
P60422_AMNPVDHHPHGGGEGR

structural response (log2)

dose ATP (mM)

CV measured
P60422_NIPVGSTVH

![Graph showing relationship between dose ATP (mM) and structural response (log2)]

- **x-axis**: dose ATP (mM)
- **y-axis**: structural response (log2)

Data points and error bars indicate variability. The curve suggests a threshold effect at lower doses, with a gradual increase followed by a plateau at higher doses.
P60438\_AIQVTTGAK

\begin{align*}
\text{structural response (log2)} &= -3.0, -2.5, -2.0, -1.5, -1.0, -0.5, 0.0 \\
\text{dose ATP (mM)} &= 0, 5, 10, 15, 20, 25
\end{align*}

CV measured
P60438_DLIVKPAVK

structural response (log2)

dose ATP (mM)

CV measured
P60438_GAVPGATGSDLIVKPAVK

structural response (log2)

CV measured

dose ATP (mM)
P60438_GSDLIVKPAVK

The graph shows the relationship between the dose of ATP (mM) and the structural response (log2). The x-axis represents the dose of ATP (mM), ranging from 0 to 25, with values at 0, 5, 10, 15, and 20. The y-axis represents the structural response (log2), ranging from 0 to 3, with values at 0, 0.5, 1.0, 1.5, 2.0, 2.5, and 3.0. Each data point represents a measured CV.
P60438_GSDLIVKPAVK

structural response (log2)

dose ATP (mM)

CV measured

1.26030497983922

0.0

0.5

1.0

1.5

2.0

2.5

3.0

0

20

40

60

80

100

0

20

40

60

80

100
P60438_RIFTEDGVSPVTVEVEANR

![Graph showing the structural response (log2) against dose ATP (mM).](image)
The diagram shows a scatter plot with the x-axis labeled "dose ATP (mM)" and the y-axis labeled "structural response (log2)". The plot includes data points for different dose levels of ATP, indicated by bars representing the variability (CV measured) at each dose point.
P60624_QKPVPALNQPGGIVEK

![Graph showing structural response (log2) vs. dose ATP (mM)]

- Structural response (log2) is measured along the y-axis.
- Dose ATP (mM) is plotted on the x-axis.
- The graph includes data points and a trend line.
- The x-axis value at 1.75305237513202 corresponds to the dose ATP (mM).
P60624_VGFRFEDGK

![Graph showing structural response (log2) vs. dose ATP (mM). The graph depicts a decreasing trend with increasing dose ATP, with a measured CV.](image-url)
The graph illustrates the relationship between the structural response (log2) and the dose of ATP (mM) as well as the CV measured. The graph shows a clear trend where the structural response decreases rapidly with increasing dose of ATP.
P60723_DAQSAVTSETTFGRDFNEALVH

structural response (log2)

CV measured

dose ATP (mM)
P61175_AAVLVKK

structural response (log2)

<table>
<thead>
<tr>
<th>dose ATP (mM)</th>
<th>CV measured</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>6.76349261033678</td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
<tr>
<td>10</td>
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<td>20</td>
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</tr>
<tr>
<td>25</td>
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</tr>
</tbody>
</table>
Dose ATP (mM) vs. Structural Response (log2)
The image shows a scatter plot with the following labels:

- **X-axis**: dose ATP (mM)
- **Y-axis**: structural response (log2)
- **Legend**: CV measured

The plot demonstrates a downward trend as the dose ATP increases, indicating a decrease in structural response. The data points are scattered around a linear regression line, suggesting a negative correlation between the dose of ATP and the structural response.
P62399_GLDITITTTAK

![Graph showing the relationship between dose ATP (mM) and structural response (log2). The x-axis represents the dose ATP (mM) ranging from 0 to 25, and the y-axis represents the structural response (log2) ranging from -3 to 0. The graph includes data points and error bars indicating the variability in the response across different doses. The curve shows a decrease in structural response as the dose of ATP increases.](image-url)
P62399_ITIAVPR

![Graph showing dose ATP (mM) vs. structural response (log2)]

- **X-axis (dose ATP (mM))**
  - Values range from 0 to 25.
  - A data point labeled 3.68721983805788 is visible.

- **Y-axis (structural response (log2))**
  - Values range from 0 to 4.
  - Data points are plotted with error bars indicating variability.

- **CV measured**
  - Y-axis on the right side of the graph.
P62399_KLMTEFNYNSVMQVPR

Graph with data points and a curve indicating a structural response (log2) against dose ATP (mM). The curve shows a decrease in response as the dose increases.
P62399_LLDNAAADLAAISGQKPLITK

![Graph showing the relationship between structural response (log2) and dose ATP (mM). The graph has a negative slope, indicating a decrease in structural response with increasing dose ATP. The x-axis represents the dose ATP (mM) ranging from 0 to 25, and the y-axis represents the structural response (log2) ranging from -4 to 0. The CV measured on the graph suggests variability in the data points.]
P62399_YKDEVVK

structural response (log2)

CV measured

dose ATP (mM)

3.23918754128638
P63020_VINPGTPNAECGVSYCPPDAVEATDTALK

![Graph showing the relationship between structural response (log2) and dose ATP (mM).]

- **x-axis**: dose ATP (mM)
- **y-axis**: structural response (log2)
- The graph displays a dose-response curve with a continuous line and data points indicating measurement variability (CV measured).
- The data points show an increase in structural response with increasing dose ATP.
P68919_MFTINAEVR

![Graph showing structural response (log2) against dose ATP (mM). The x-axis represents dose ATP in mM, ranging from 0 to 25. The y-axis represents structural response (log2) ranging from -1.5 to 0.0. The graph includes data points and a fitted curve.](image-url)
P69910_QVTDLR

![Graph](image.png)

- **X-axis:** dose ATP (mM)
- **Y-axis:** structural response (log2)
- **Legend:** CV measured

The graph depicts the relationship between the dose of ATP (in mM) and the structural response (in log2 scale). The CV measured values are indicated with specific markers and error bars.
The graph shows the structural response (log2) as a function of the dose of ATP (mM). The x-axis represents the dose of ATP in mM, ranging from 0 to 25. The y-axis represents the structural response in log2 scale, ranging from 0 to 1.5. Error bars indicate the CV measured for each dose point.