**Online Data for “The effect of HOCl-induced modifications on phosphatase and tensin homologue (PTEN) structure and function.”**

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**Free Radic Res. (2018) 22:1-16. doi: 10.1080/10715762.2018.1424333 .**

**Effect of HOCl treatment on PTEN activity**

Data are supplied in the form of an Excel spreadsheet:

* HOCl PTEN Paper Figure 1 A&B updated

**XIC quantification of HOCl-induced oxPTMs of PTEN**

Data are supplied in the form of an Excel spreadsheet:

* Additional XIC quant for Ivans paper v9 CMS

**LC-MSMS Data**

The data are divided into separate folders according to the enzymatic digestion of the samples (LysC or trypsin).

Within these folders the files are named according to the HOCl treatment concentration and whether the aggregate band or the 70 kDa bands were analysed.

* 0mM = Control treatment
* 0.5mM = 15:1 HOCl:protein Molar ratio
* 1mM= 30:1 HOCl:protein Molar ratio
* 2mM= 60:1 HOCl:protein Molar ratio
* 5mM= 150:1 HOCl:protein Molar ratio
* 10mM= 300:1 HOCl:protein Molar ratio

For each treatment, there are 3 replicates (R1/R2/R3)

The data were acquired on an ABSCIEX 5600 TripleTOF instrument and wiff, wiff.mtd and wiff.scan files are supplied.

Trypsin Digestion

(HOCl-PTEN Trypsin 70kDa + aggregates 7zip archive)

*Aggregates:*

* IV HOCL PTEN hocl 0 AG r1 (etc)
* IV HOCL PTEN hocl 0.5 AG r1
* IV HOCL PTEN hocl 1 AG r1
* IV HOCL PTEN hocl 2 AG r1
* IV HOCL PTEN hocl 5 AG r1
* IV HOCL PTEN hocl 10 AG r1

*Intact Band (70 kDa):*

* IV HOCL PTEN hocl 0 r1 (etc)
* IV HOCL PTEN hocl 0.5 r1
* IV HOCL PTEN hocl 1 r1
* IV HOCL PTEN hocl 2 r1
* IV HOCL PTEN hocl 5 r1
* IV HOCL PTEN hocl 10 r1

LysC Digestion

(HOCl-PTEN LysC aggregates 7zip archive)

* aggregates 0mM HOCl R1 (etc)
* aggregates 0.5mM HOCl
* aggregates 1mM HOCl
* aggregates 2mM HOCl
* aggregates 5mM HOCl
* aggregates 10mM HOCl

(HOCl-PTEN LysC 70 kDa BAND 7zip archive)

* intact band 0.5mM HOCl
* intact band 0mM HOCl
* intact band 1mM HOCl
* intact band 2mM HOCl
* intact band 5mM HOCl
* intact band 10mM HOCl