Supplemental material to:

Proteomics of the organohalide-respiring Epsilonproteobacterium *Sulfurospirillum multivoran*s adapted to tetrachloroethene and other energy substrates

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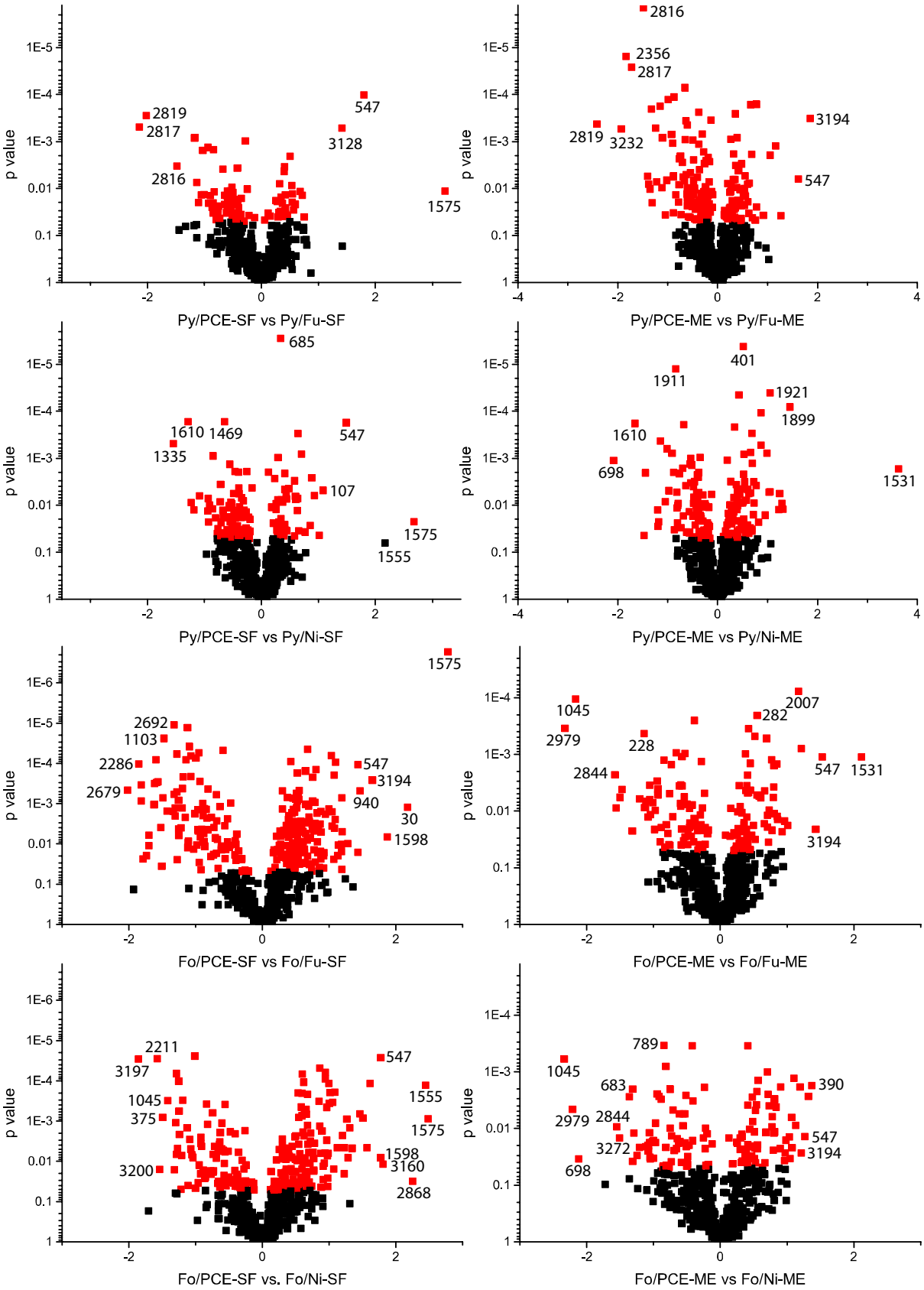

Fig. S1: Volcano plots for differential comparison of the quantified proteins (Visualization of Table S3). The x-axis shows the difference in the protein amount as calculated and normalized from the top 3 peptide area (as described in materials and methods). Values are shown as log10. A value of more than 0.477 is taken as significant (equals an approximately 3-fold amount). The y-axis shows statistical significance as a result from the T-test. A p-value of less than 0.05 is taken as significant (marked in red). Numbers of the SMUL_locus tags are given for the proteins with the most significant changes (see Table S3).

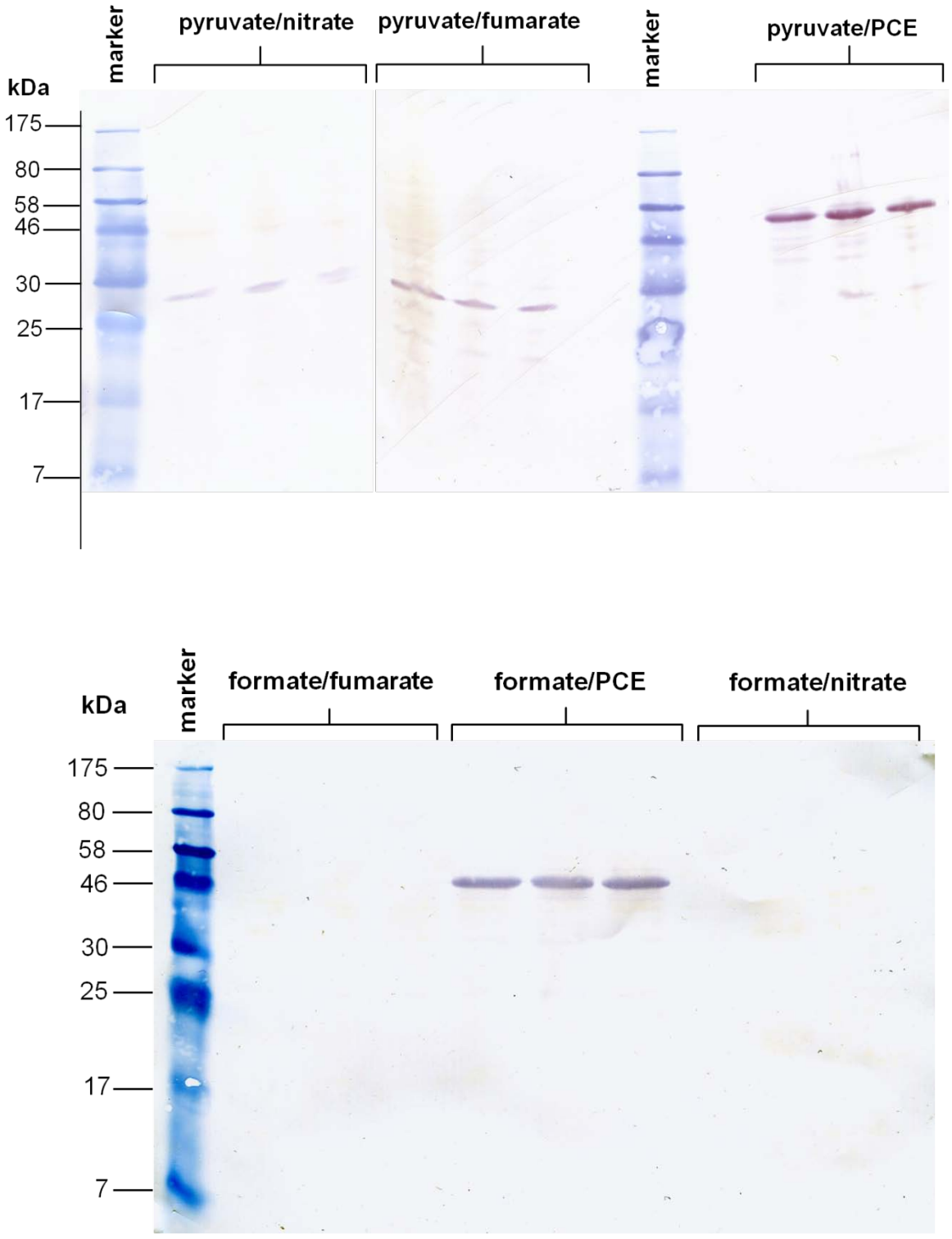

Fig. S2: Western-Blots: Anti-PceA (1:500.000). 10 µg protein from all biological replicates which were used in the proteome analysis was applied per lane. PceA is visible at approximately 50kDa. The band visible in samples from pyruvate-grown cells without PCE at around 27kDa is an unknown protein product, possibly degraded PceA. Blots were applied to tonal correction.

Table S5: PceA activity. The PceA activities were measured photometrically as described in the materials and methods section.

Sample	$Volume_{sample}$ [µl]	volume activity [nkat/ ml]	Specific activity [nkat/ ml]	GC-measurement (increase of cDCE)
Pyruvate/Fumarate	100	1,328	0,320	-
Pyruvate/PCE	5	213,752	20,183	++
Pyruvate/Nitrate	100	10,2067	1,180	-
Formate/Fumarate	100	3,9683	0,4663	+
Formate/PCE	5	75,9717	20,812	++
Formate/Nitrate	100	-	-	-