

Supplementary figures

Targeted and untargeted proteomics of plasma from cord blood with high vs low hematopoietic stem and progenitor cell count

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```
{r, setup, include=FALSE} # knitr::opts_knit$set(root.dir =  
'/Users/xrydbh/OneDrive - University of Gothenburg/Neored') #
```

Box plots MS

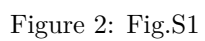
Fig.S1

Fig.S2

Significant_pathways_in_pw_hierarchy

Venn diagram of pathway overlap

12 with wider distribution out of 44 proteins with $p < 0.05$; $FC > 2$



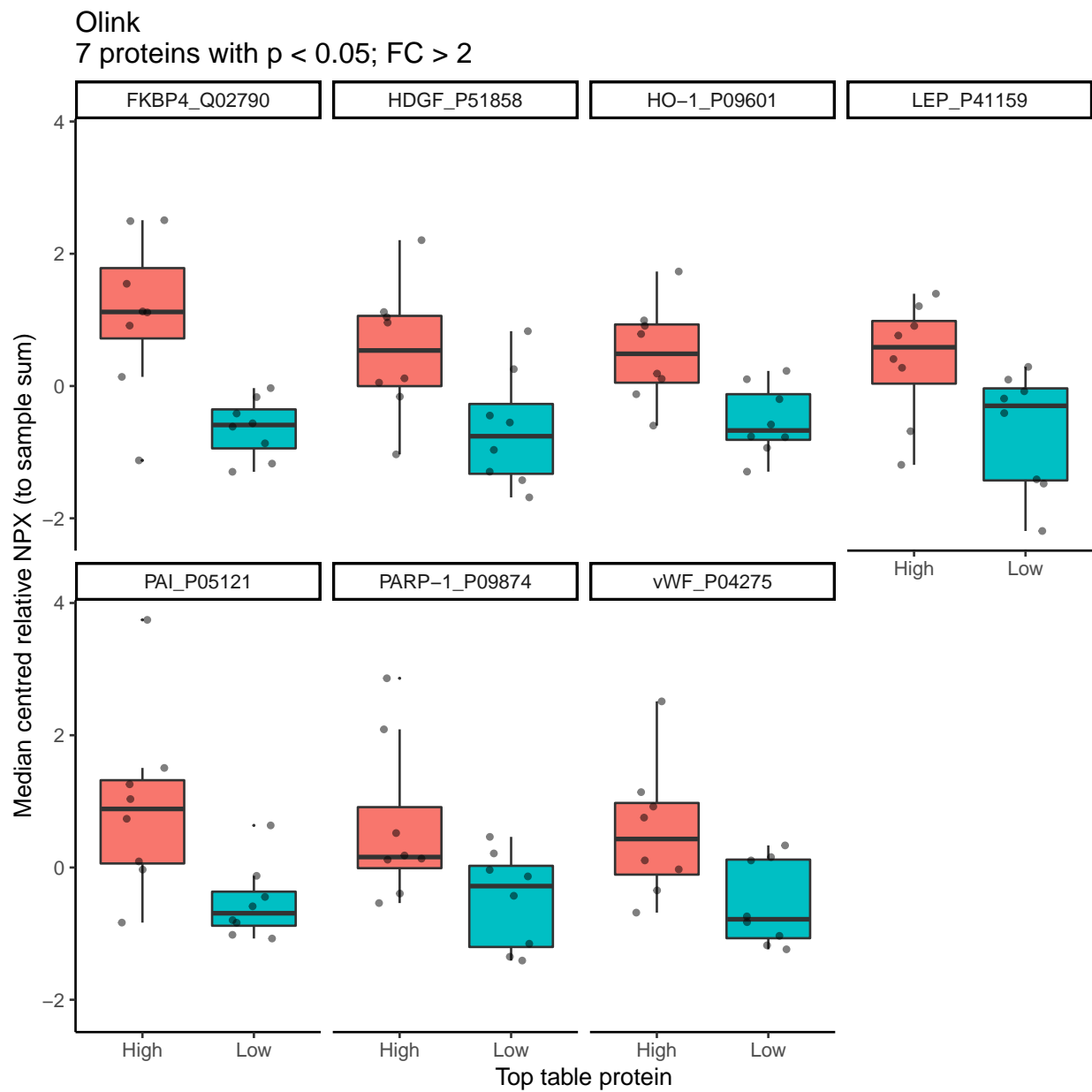


Figure 3: Fig.S2

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Reactome
|--Transport of small molecules
|  °--16 Plasma lipoprotein assembly, remodeling, and clearance (20-98)
|    |--1 Plasma lipoprotein remodeling (13-54)
|    °--7 HDL remodeling (9-24)
|--Hemostasis
|  °--3 Response to elevated platelet cytosolic Ca2+ (64-146)
|    °--2 Platelet degranulation (64-139)
|--Disease
|  °--Diseases of signal transduction by growth factor receptors and second messengers
|    °--Oncogenic MAPK signaling
|      |--4 Signaling by RAF1 mutants (12-49)
|      |--Signaling by high-kinase activity BRAF mutants (13-44)
|      |--15 Signaling by RAS mutants (14-54)
|      |--12 Signaling downstream of RAS mutants (14-54)
|      |--14 Paradoxical activation of RAF signaling by kinase inactive BRAF (14-54)
|      °--13 Signaling by moderate kinase activity BRAF mutants (14-54)
|--Signal transduction
|  °--MAPK family signaling cascades
|    °--MAPK1-MAPK3 signaling
|    °--RAF-MAP kinase cascade
|      °--6 MAP2K and MAPK activation (13-49)
|--18 Integrin signaling (10-39)
|  |--8 p130Cas linkage to MAPK signaling for integrins (9-22)
|  °--17 GRB2:SOS provides linkage to MAPK signaling for Integrins (10-20)
|--Developmental biology
|  °--9 Keratinization (8-226)
|  °--10 Formation of the cornified envelope (8-13)
|--Metabolism of proteins
|  °--11 Translation (16-339)

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Figure 4: Fig.S3

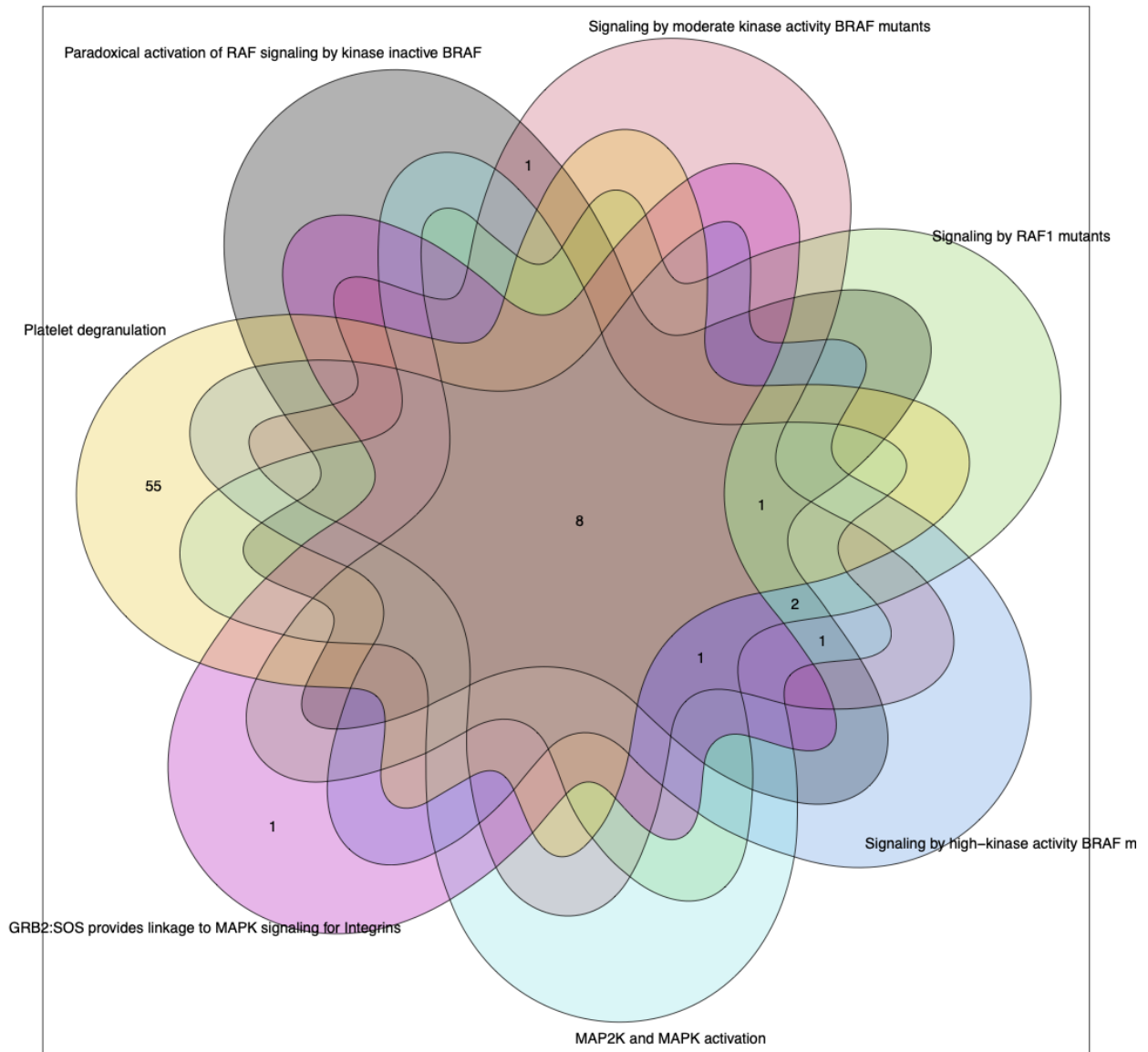


Figure 5: Fig.S4