Table S3. Proteomics Analysis of Lipid Raft Proteins in Endothelial Cells with Flow Treatment.

Α

Classification	OS up	OS down	PS up	PS down	Opposite
Binding	29	17	27	22	0
Catalytic	28	13	27	16	0
Enzyme Regulator	5	4	4	7	3
Ion Channel	2	2	0	2	0
Motor	1	0	1	0	0
Receptor	13	7	4	9	1
Structural Molecular	11	1	10	3	0
Transcription Regulator	2	0	1	0	0
Translocation Regulator	3	0	3	0	0
Transporter	8	7	3	7	0

B.

			Fold		
Function	GI number	Protein name	OS	PS	P <sub>peptides</sub>
Receptor	Gi 31438	Integrin α5	1.828	0.609	0.05

HUVECs were treated with OS (0.5±4 dyn/cm²) or PS (12±4 dyn/cm²) for 2 hr, and purified lipid raft proteins were analyzed by iTRAQ-LC-MS/MS. Proteins with significant change were sorted into functional groups by use of Panther (http://www.pantherdb.org). Up, upregulated; down, downregulated; opposite, regulated in opposite fashion.