

**Table S4, related to Figure 2. Summary of clients as determined by MS and differential protein abundance analysis.**

Clients of	Clients with			Clients with				
	SP	SP/I	SP/multi	TMH	TMH/II or III	TMH/multi	HP	TA
<b>SR<math>\alpha</math></b>	<b>24</b>	<b>14</b>	-	<b>30</b>	<b>10</b>	<b>17</b>	<b>3</b>	-
Total	54			55.6 TMH				
%	44.4 SP							
%	81.5 MP							
% of TMH				33.3				
%	18.5sol	25.9		56.7				
				10				
				0				
				18.5				
				31.5				
				5.6				
				0				
<b>Wrb</b>	<b>13</b>	<b>6</b>	-	<b>14</b>	<b>2</b>	<b>8</b>	<b>1</b>	<b>3</b>
Total	27			51.9 TMH				
%	48.1 SP							
%	74.1 MP							
% of TMH				14.3				
%				7.4				
				57.1				
				7.1				
				21.4				
				29.6				
				3.7				
				10.1				
<b>hSnd2</b>	<b>3</b>	<b>3</b>	-	<b>9</b>	<b>2</b>	<b>5</b>	-	<b>2</b>
Total	12			75 TMH				
%	25 SP							
%	100 MP							
% of TMH				22.2				
%				16.7				
				55.6				
				0				
				22.2				
				41.7				
				0				
				16.7				
<b>hSnd2+Wrb</b>	<b>13</b>	<b>5</b>	<b>2</b>	<b>30</b>	<b>3</b>	<b>21</b>	<b>1</b>	<b>5</b>
Total	43			69.8 TMH				
%	30.2 SP							
%	86 MP							
% of TMH				10				
%				7				
				70				
				3.3				
				16.7				
				48.8				
				2.3				
				11.6				
<b>Wrb sum</b>	<b>26</b>	<b>11</b>	<b>2</b>	<b>44</b>	<b>5</b>	<b>29</b>	<b>2</b>	<b>8</b>
Total	70			62.9 TMH				
%	37.1 SP							
%	81.4 MP							
% of TMH				11.4				
%				7.1				
				65.9				
				4.5				
				18.2				
				41.4				
				2.9				
				11.4				
<b>hSnd2 sum</b>	<b>16</b>	<b>8</b>	<b>2</b>	<b>39</b>	<b>5</b>	<b>26</b>	<b>1</b>	<b>7</b>
Total	55			70.9 TMH				
%	29,1 SP							
%	89.1 MP							
% of TMH				12.8				
%				9.1				
				66.7				
				2.6				
				17.9				
				47.3				
				1.8				
				12.7				
<b>PEX3</b>	1	-	1	2	1	1	-	-
Zellweger	27	5	-	20	8	6	2	4
	<b>28</b>	<b>5</b>	<b>1</b>	<b>22</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>4</b>
Total	50			44 TMH				
%	56 SP							
%	56 MP							
% of TMH				40.9				
%				18				
				31.8				
				9.1				
				18.2				
	44sol	10	2	14				
				4				
				8				

I, II, III, membrane protein type; HP, hairpin; MP, membrane protein; multi, multispanning membrane protein; sol, soluble; SP, signal peptide; sum, sum of clients as determined in single depletion and double depletion (hSnd2+Wrb); TA, tail anchor; TMH, most N-terminal transmembrane domain; Zellweger, data from PEX3 deficient patient fibroblasts Zimmermann et al. [38]. Notably, sol refers to soluble proteins, sum to the pool of the respective single depletion (hSnd2 or Wrb) and the double depletion (hSnd2+Wrb).