

**Table S4. Results of the tests for high connectivity of the phenotype genes.**

		<b>p-value</b>			
	<b>whole</b>	<b>hprd</b>	<b>physical</b>	<b>Y2H</b>	
<b>all</b>	$1 \times 10^{-25}$	$1 \times 10^{-10}$	$5 \times 10^{-17}$	0.045	
<b>degeneration</b>	$6 \times 10^{-5}$	0.224	0.010	0.613	
<b>abnormal foliation</b>	$1 \times 10^{-08}$	0.002	$7 \times 10^{-6}$	0.267	
<b>abnormal vermis</b>	$6 \times 10^{-07}$	$3 \times 10^{-4}$	$5 \times 10^{-6}$	0.045	
<b>absent cerebellum</b>	$4 \times 10^{-4}$	0.852	0.414	N/A	
<b>small cerebellum</b>	$8 \times 10^{-09}$	$2 \times 10^{-4}$	$6 \times 10^{-6}$	0.843	
<b>ataxia</b>	$5 \times 10^{-15}$	$2 \times 10^{-7}$	$2 \times 10^{-11}$	0.061	

