Additional File 8

Additional Figure 6

Genomic context and organization of mouse and rat \textit{Vps25} (\textit{MmVps25} and \textit{RnVps25}).

\textbf{(A)} \textit{MmVps25} location on chromosome 11, map position 11D (60.0 cM). LEFT- Ideogram of the mouse chromosome with the area amplified marked. BOTTOM- Genes localising to region of 12672776-12783927 bp (arrowheads) on Build 32.1: \textit{MmVps25} (black arrow); surrounding genes (gray arrows). Surrounding genes include \textit{Ezh1}, \textit{Becn1}, \textit{Ramp2} and \textit{Wnk4} (orthologous to the \textit{H. sapiens} genes), \textit{D830013H23RIK}, \textit{D11Ertd99e} (encodes putative transmembrane protein), and \textit{1700051C09RIK} (encodes a partial cyclin N-terminal domain). TOP- The coding sequence has 6 exons (vertical lines) and covers 5.27 kb (see Table 2).

\textbf{(B)} \textit{RnVps25} location on chromosome 10, map position 10q32.1. LEFT- Ideogram of the rat chromosome with the area amplified marked. BOTTOM- Genes localising to region 90213177-90332861 bp (arrowheads) on Build 3.4: \textit{RnVps25} (black arrow); surrounding genes (gray arrows). Note: NCBI database currently does not annotate \textit{Vps25} to this area, despite its presence there, due to sequence annotation errors which remain to be corrected [see Additional Files 1 and 12]. Surrounding genes include \textit{Ezh1}, \textit{Becn1}, \textit{Ramp2}, \textit{Wnk4}, \textit{Ezh1} and \textit{RGD1564337}, the latter being similar to \textit{D11Ertd99e} of mouse. TOP- The coding sequence has 6 exons (see Table 2) and covers 4.93 kb. TOP- We predict that the coding sequence has 6 exons (vertical lines) and covers 4.93 kb, differing from the NCBI entry. Numbering from chromosome 10 genomic contig NW_047339 is presented.