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Bioinformatics and Medicine: Finding Tissue-specific Genes for Immunotherapy of Cancer

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Tissue-specific genes provide valuable information for deciding suitable targets in pharmaceutical research. Availability of nearly complete human genome sequence and of the expression profile obtainable from the vast EST (expressed sequence tags) database should aid in the search for genes with desirable properties. Strategies for finding tissue-specific genes with candidate transmembrane regions using human draft sequence map and EST database will be presented.