

**Identity and similarity scores of zebrafish *aqp5/1* exons.** Nucleotides and deduced amino acids are compared to tetrapod aquaporins. Data are mean  $\pm$  standard deviation of the sequences submitted to maximum likelihood analysis in Additional data file 4.

		<b>AQP6</b>	<b>AQP5</b>	<b>AQP2</b>	<b>AQP0</b>	<b>AQP1</b>
exon 1-3:	Codon identity	<b>41 <math>\pm</math> 3.0</b>	<b>42 <math>\pm</math> 3.4</b>	<b>44 <math>\pm</math> 1.8</b>	<b>44 <math>\pm</math> 2.1</b>	<b>43 <math>\pm</math> 1.6</b>
	Protein identity	<b>30 <math>\pm</math> 3.0</b>	<b>36 <math>\pm</math> 3.6</b>	<b>38 <math>\pm</math> 1.5</b>	<b>33 <math>\pm</math> 1.3</b>	<b>32 <math>\pm</math> 1.6</b>
	Protein similarity	<b>52 <math>\pm</math> 2.1</b>	<b>56 <math>\pm</math> 4.5</b>	<b>57 <math>\pm</math> 2.0</b>	<b>55 <math>\pm</math> 1.9</b>	<b>51 <math>\pm</math> 1.5</b>
exon 4-8:	Codon identity	<b>47 <math>\pm</math> 1.0</b>	<b>46 <math>\pm</math> 2.7</b>	<b>46 <math>\pm</math> 1.7</b>	<b>46 <math>\pm</math> 1.2</b>	<b>47 <math>\pm</math> 1.1</b>
	Protein identity	<b>41 <math>\pm</math> 2.5</b>	<b>42 <math>\pm</math> 4.1</b>	<b>40 <math>\pm</math> 2.0</b>	<b>43 <math>\pm</math> 1.4</b>	<b>43 <math>\pm</math> 1.6</b>
	Protein similarity	<b>58 <math>\pm</math> 3.1</b>	<b>54 <math>\pm</math> 4.3</b>	<b>54 <math>\pm</math> 1.8</b>	<b>53 <math>\pm</math> 1.1</b>	<b>56 <math>\pm</math> 1.4</b>