

Supplemental Table S3

Family	Members	E16	4DIV	7DIV	14DIV	Adult
<b>Kinesin-1</b> (Conventional Kinesin, KHC)	KIF5A	10.7 ±0.4	9.7 ±0.3	10.0 ±0.6	9.4 ±0.4	9.5 ±0.4
	KIF5B	8.6 ±0.5	9.9 ±0.5	8.8 ±0.5	9.2 ±0.5	8.3 ±0.5
	KIF5C	13.6 ±1.3	12.2 ±1.1	11.5 ±1.3	11.6 ±1.1	11.9 ±1.1
<b>Kinesin-2</b>	KIF3A	11.8 ±0.6	11.7 ±0.6	10.6 ±0.7	10.8 ±0.6	11.5 ±0.6
	KIF3B	13.3 ±0.5	13.5 ±0.5	12.4 ±0.7	12.4 ±0.5	14.0 ±0.5
	KIF3C	8.9 ±0.9	8.5 ±0.7	7.4 ±0.9	7.0 ±0.7	8.0 ±0.7
	KIF17	16.9 ±0.7	16.7 ±0.7	15.2 ±0.8	13.5 ±0.7	14.1 ±0.7
<b>Kinesin-3</b>	KIF1A	9.1 ±0.8	10.4 ±0.8	9.2 ±1.0	8.5 ±0.8	8.9 ±0.8
	KIF1B alpha	9.1 ±0.6	10.3 ±0.6	9.2 ±0.8	8.9 ±0.6	8.8 ±0.6
	KIF1B beta	7.2 ±0.5	8.0 ±0.5	6.9 ±0.6	7.4 ±0.5	6.6 ±0.5
	KIF1C	13.0 ±0.6	15.7 ±0.6	15.2 ±0.8	14.9 ±0.6	12.2 ±0.6
	KIF13A	12.4 ±0.5	12.7 ±0.5	11.1 ±0.6	12.6 ±0.5	12.2 ±0.5
	KIF13B/GAKIN	14.0 ±0.3	15.2 ±0.3	15.7 ±0.4	16.0 ±0.3	13.8 ±0.3
	KIF14	14.5 ±0.8	19.0 ±0.9	18.9 ±1.0	19.6 ±0.8	20.2 ±0.8
	KIF16A	15.5 ±0.6	18.2 ±0.6	18.5 ±0.7	18.4 ±0.6	18.1 ±0.7
KIF16B	17.6 ±0.5	18.0 ±0.5	17.1 ±0.6	17.3 ±0.5	17.5 ±0.5	
<b>Kinesin-4</b>	KIF4	18.6 ±0.8	21.2 ±0.8	19.9 ±1.0	20.3 ±0.8	19.9 ±1.0
	KIF7	15.7 ±0.8	16.8 ±0.7	15.8 ±0.8	16.1 ±0.7	14.9 ±0.7
	KIF21A	10.6 ±0.8	11.7 ±0.7	10.5 ±0.8	10.7 ±0.8	8.0 ±0.8
	KIF21B	11.8 ±1.3	10.3 ±1.1	9.7 ±1.3	9.1 ±1.1	13.2 ±1.1
<b>Kinesin-5</b>	KIF11/Eg5	12.8 ±0.3	16.3 ±0.3	17.1 ±0.4	18.1 ±0.3	18.3 ±0.4
<b>Kinesin-6</b>	KIF20A	13.3 ±0.8	16.7 ±0.8	16.6 ±1.0	17.1 ±0.8	18.2 ±0.8
	KIF23/MKLP1/CHO1	13.1 ±0.6	17.2 ±0.5	16.6 ±0.6	18.9 ±0.5	20.2 ±0.5
<b>Kinesin-7</b>	KIF10/CENP-E	13.6 ±0.6	15.6 ±0.7	16.3 ±0.7	16.5 ±0.6	18.6 ±0.6
<b>Kinesin-8</b>	KIF18A	14.4 ±0.7	17.2 ±0.5	16.7 ±0.7	16.9 ±0.5	19.1 ±0.5
	KIF18B	14.2 ±0.7	17.4 ±0.7	18.5 ±0.9	19.6 ±0.7	21.5 ±0.7
	KIF19A	17.1 ±0.8	17.6 ±0.7	16.9 ±0.8	17.1 ±0.7	15.3 ±0.7
<b>Kinesin-9</b>	KIF9	14.9 ±0.8	15.7 ±0.8	15.0 ±1.0	13.8 ±0.8	15.5 ±0.8
<b>Kinesin-10</b>	KIF22	13.7 ±1.0	16.8 ±0.8	16.2 ±1.0	17.2 ±0.8	17.9 ±0.8
<b>Kinesin-11</b>	KIF26A	18.9 ±0.4	21.8 ±0.4	21.6 ±0.5	22.6 ±0.4	21.7 ±0.4
	KIF26B	16.5 ±0.9	17.1 ±0.8	16.1 ±1.0	16.7 ±0.8	18.4 ±0.8
<b>Kinesin-12</b>	KIF15	12.5 ±0.7	16.1 ±0.7	17.0 ±0.8	18.2 ±0.7	19.0 ±0.7
<b>Kinesin-13</b>	KIF2A/MCAK	8.4 ±0.5	8.7 ±0.5	7.3 ±0.6	7.7 ±0.5	8.5 ±0.5
	KIF2C	16.2 ±0.9	17.9 ±0.8	16.8 ±0.9	17.4 ±0.8	19.8 ±0.9
	KIF24	15.2 ±0.5	18.4 ±0.5	17.6 ±0.6	17.9 ±0.5	18.6 ±0.5
<b>Kinesin-14</b>	KIFC1	11.9 ±1.0	15.6 ±1.0	14.8 ±1.2	15.1 ±1.0	15.4 ±1.0
	KIFC2	12.2 ±0.8	11.6 ±0.8	9.4 ±1.0	8.2 ±0.8	8.5 ±0.8
	KIFC3	12.5 ±1.2	12.4 ±0.9	10.7 ±1.1	10.5 ±0.9	10.8 ±0.9

**Cell-Type Specific Markers**

<b>Neurons</b>	NF-L	13.1 ±0.7	11.3 ±0.7	7.9 ±0.9	6.2 ±0.7	7.2 ±0.7
	NF-M	12.1 ±0.7	12.2 ±0.7	9.6 ±0.8	7.5 ±0.7	9.5 ±0.7
	NF-H	16.9 ±0.7	14.9 ±0.7	11.7 ±0.8	9.5 ±0.7	10.7 ±0.7
<b>Oligodendrocytes</b>	PLP	14.8 ±1.0	13.7 ±1.0	11.4 ±1.2	13.1 ±1.0	7.6 ±1.0
	MBP	12.7 ±0.5	11.5 ±0.5	9.2 ±0.6	10.3 ±0.5	5.9 ±0.5
<b>Astrocytes</b>	GFAP	13.0 ±0.5	10.5 ±0.5	10.4 ±0.6	10.7 ±0.5	10.1 ±0.5
<b>Neural progenitors</b>	Nestin	12.9 ±0.8	18.1 ±0.8	18.1 ±1.1	19.8 ±0.8	18.2 ±0.8
<b>Ubiquitous</b>	beta2/beta3 tubulin	3.9 ±0.6	4.1 ±0.6	2.7 ±0.8	4.0 ±0.6	6.7 ±0.6