

Table 1 Cell groups labeled after HRP cerebellar injections compared with cumulative *Wnt1*-Cre genetic labeling in mouse hindbrain

Precerebellar Nuclei		Ipsilateral Labeled Neurons*	Contralateral Labeled Neurons*	<i>Wnt1</i> Expression **	
Major precerebellar nuclei	Pontine nuclei (Pn)	○	●	+++	
	Reticulotegmental nucleus of the pons (RtTg)	●	●	+++	
	Lateral reticular nucleus (LRt)	●	○	+++	
	Inferior olivary nucleus (IO)	○	●	+	
	External cuneate nucleus (ECu)	●	◦	+++	
	Motor trigeminal nucleus, parvicellular part (5PC)	●	●	+++	
	Prepositus nucleus (Pr)	●	●	+	
	Nucleus of Roller (Ro)	●	●	++	
	Intercalated nucleus (In)	◦	◦	+++	
Hindbrain sensory nuclei	Cuneate nucleus (Cu)	●	◦	+++	
	Cochlear nuclei (C)	◦	◦	+++	
	Vestibular nuclei (Ve)	◦	◦	+ or ++ or +++	
	Nucleus Y (Y)	○	◦	++	
	Nucleus X (X)	○	○	++	
	Solitary nucleus (Sol)	●	●	++	
	Principal sensory trigeminal nucleus (Pr5)	●	○	+	
	Spinal trigeminal nucleus (Sp5)	●	○	+ or ++ or +++	
	Matrix region of the medulla (Mx)	◦	◦	+++	
	Medial parabrachial nucleus (MPB)	○	◦	++	
	Lateral parabrachial nucleus (LPB)	◦	◦	+++	
	Kölliker-Fuse nucleus (KF)	◦	◦	+	
	Minor precerebellar nuclei	Hindbrain monoamine nuclei	Median raphe nucleus (MnR)	◦	◦
Paramedian raphe nucleus (PMnR)			○	○	++
Pontine raphe nucleus (PnR)			◦	◦	+
Raphe interpositus nucleus (RIP)			◦	◦	+
Raphe obscurus nucleus (ROb)			○	○	++
Raphe magnus nucleus (RMg)			◦	◦	+
Raphe pallidus nucleus (RPa)			◦	◦	+
Dorsal raphe nucleus (DR)			◦	◦	+++
Locus coeruleus (LC)			○	○	+++
Subcoeruleus nucleus (SubC)			◦	◦	—
Hindbrain reticular nuclei	Hindbrain reticular nuclei	Pontine reticular nucleus, caudal part (PnC)	◦	◦	—
		Pontine reticular nucleus, oral part (PnO)	◦	◦	—
		Gigantocellular reticular nucleus (Gi)	○	○	+
		Medullary reticular nucleus, ventral part (MdV)	○	○	+
		Paramedian reticular nucleus (PMn)	○	○	++
		Intermediate reticular zone (IRt)	○	○	+
		Parvicellular reticular nucleus, alpha part (PCRtA)	◦	◦	+
		Parvicellular reticular nucleus (PCRt)	◦	◦	+

*○no labeled cells; ◦ few labeled neurons; ○ moderate number of labeled neurons; ● numerous labeled neurons.

** *Wnt1* expression is represented by grades of X-gal staining, from light (+) to solid dark blue (+++).