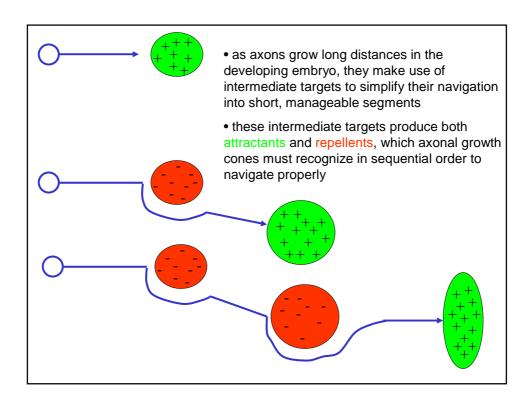
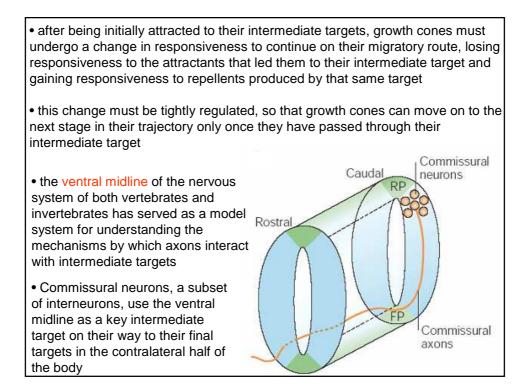
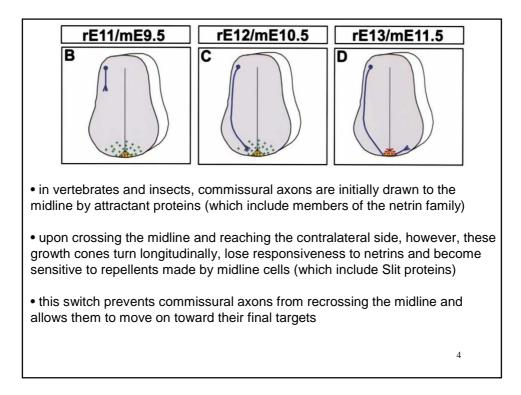
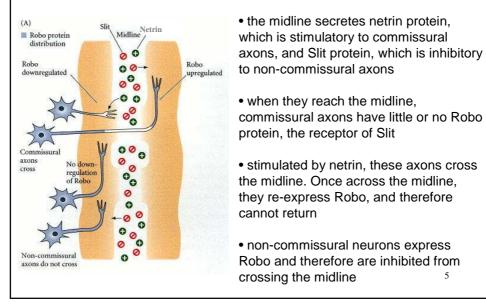
		2- Slit-Robo-Netrin-DCC	
<b>Table 1.</b> D	irectional Guida <b>Receptors</b>	nce cues involved in CNS neuronal migration Defects in CNS neuronal migration in vivo	n in vivo and in vitro Neuronal migration in vitro
Slits	Robo	_	1. Slit repels postnatal SVZa cells <sup>(37)</sup>
Netrins	DCC	<ol> <li>Abnormal pontine nuclei in DCC and netrin-1 mutants<sup>(46)</sup></li> </ol>	<ol> <li>Slit repels prenatal SVZ cells of GE<sup>(43)</sup></li> <li>Netrin-1 attracts pontine nuclei<sup>(11)</sup></li> </ol>
	Unc-5h	<ol> <li>Abnormal cerebellar development in unc-5h3<sup>(64)*</sup></li> </ol>	<ol> <li>Netrin-1 repels postnatal cerebellar granule cells and prenatal SVZ cells<sup>(48,49)</sup></li> <li>Anti-DCC antibody blocks directed migration postnatal SVZa cells<sup>(47)</sup></li> </ol>
Semaphorins	Neuropilin Plexin	<ol> <li>Abnormal GABAergic interneurons in the striatum in neuropilin-2 mutants<sup>(50)</sup></li> </ol>	· _
Ephrins	Eph		<ol> <li>Disruption of Eph-B/Ephrin-B system affects the migration of postnatal SVZa cells<sup>(51)</sup></li> </ol>
·	nutant mice showed a	abnormal development of cerebellum. However, it is still unc	the migration of postnatal SVZa cells <sup>(51)</sup>
			1

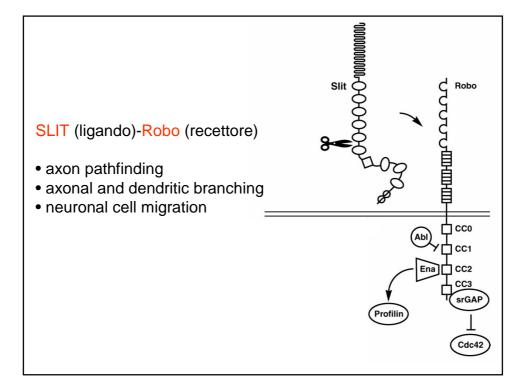


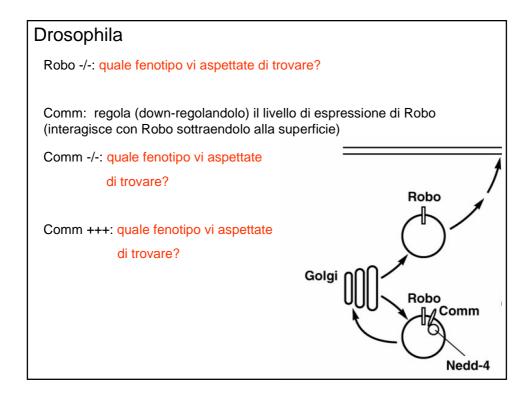


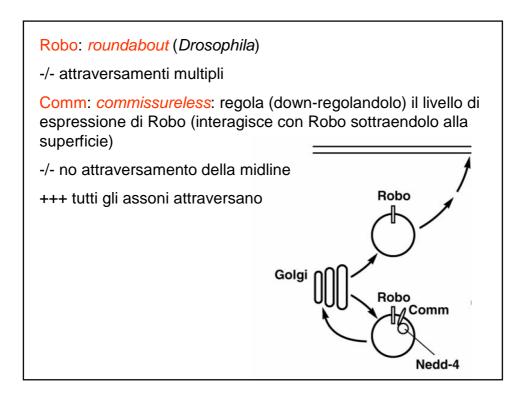


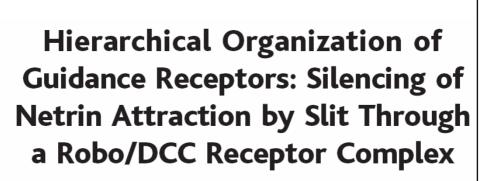
## Simplified model for chemotactic factors directing commissural axons to cross the midline while keeping other axons on one side of the midline.







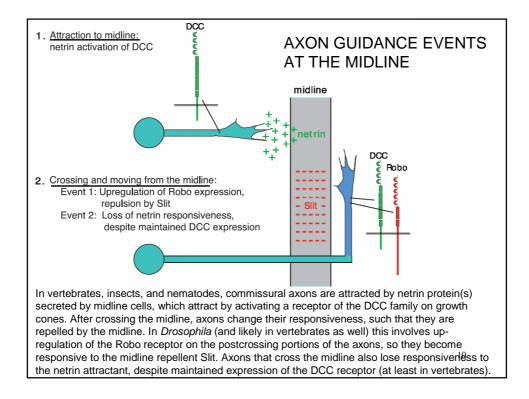


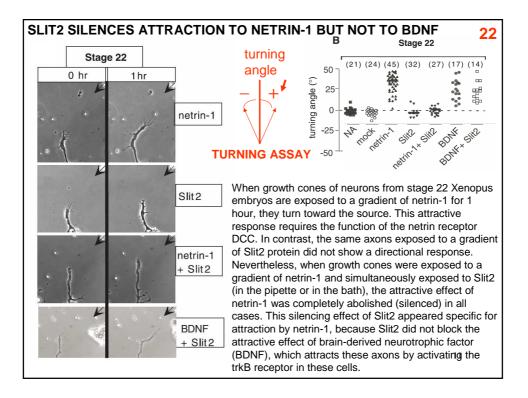


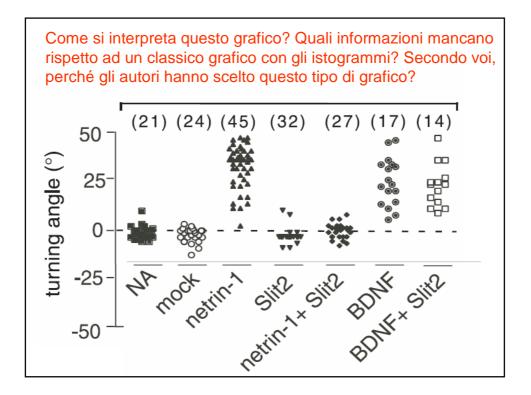
Elke Stein and Marc Tessier-Lavigne\*

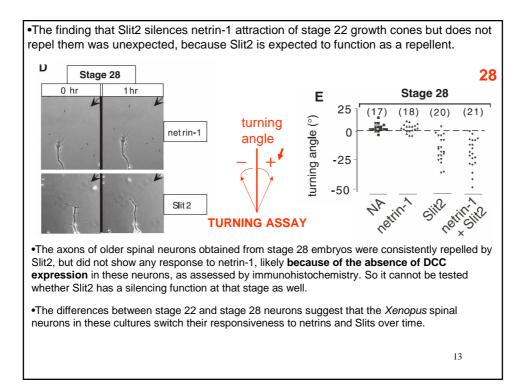
Department of Anatomy and Department of Biochemistry and Biophysics, Howard Hughes Medical Institute, University of California, San Francisco, CA 94143. USA.

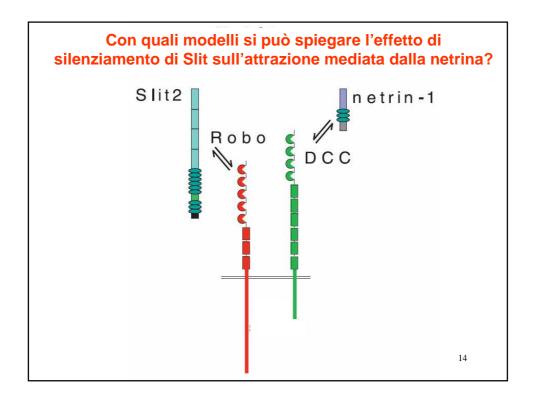
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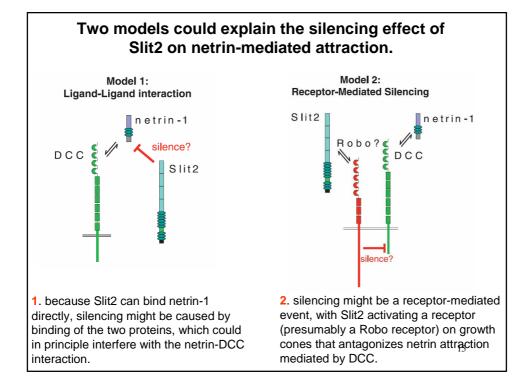


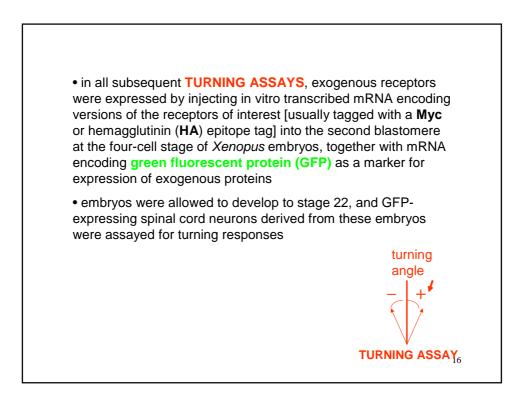


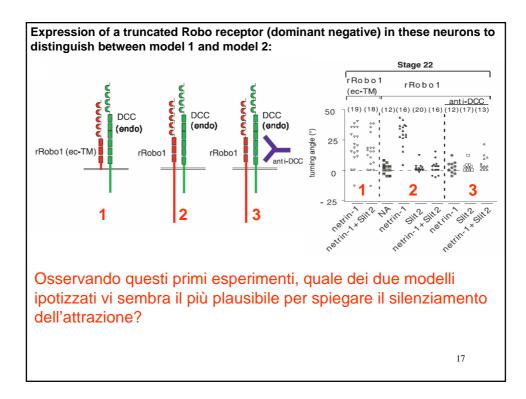


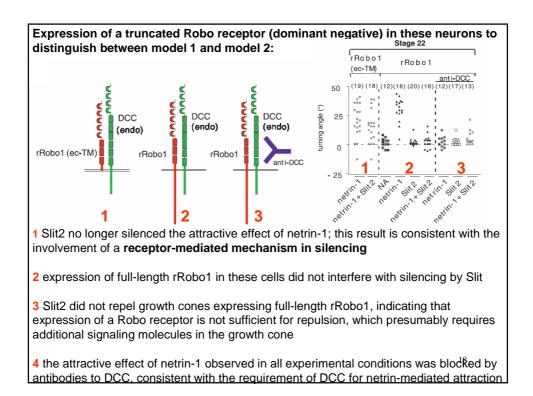


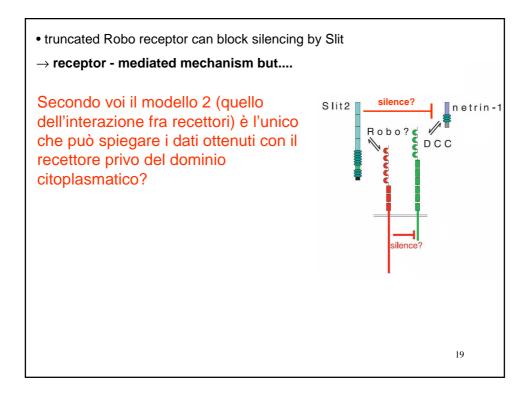


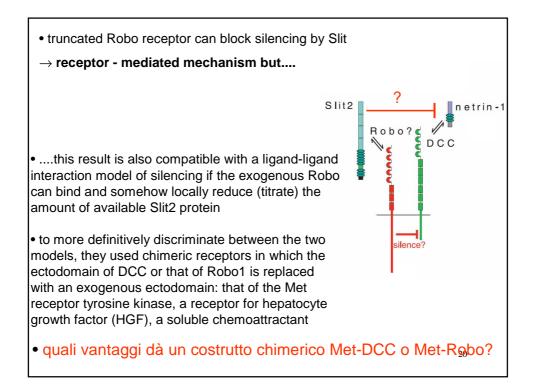


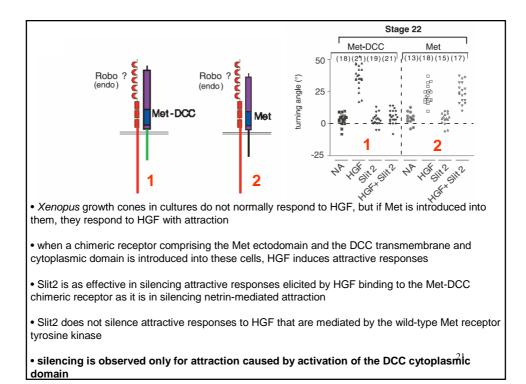


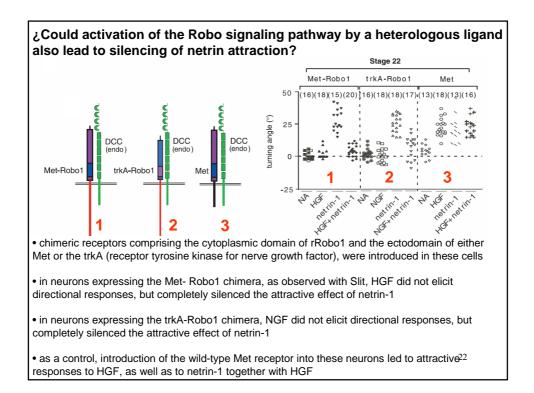


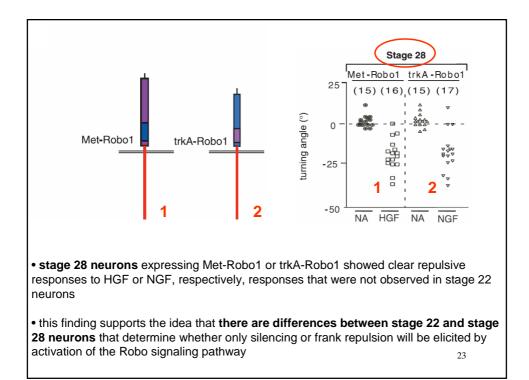


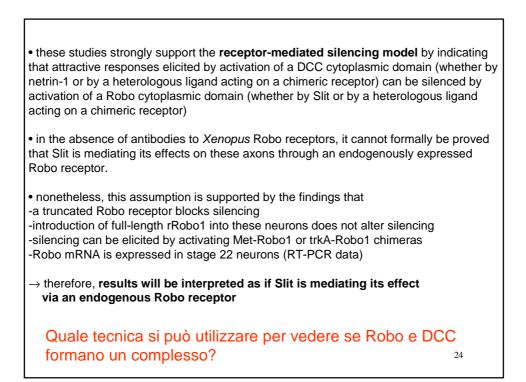


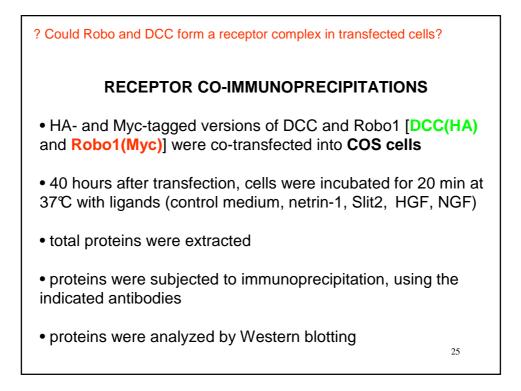


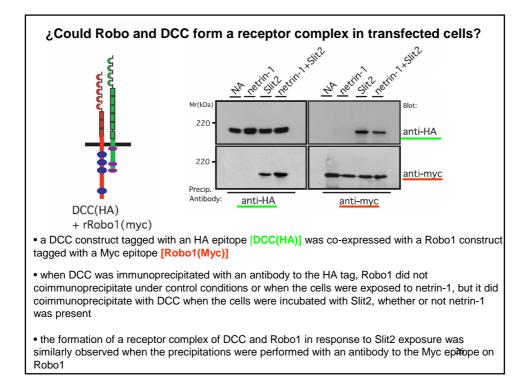


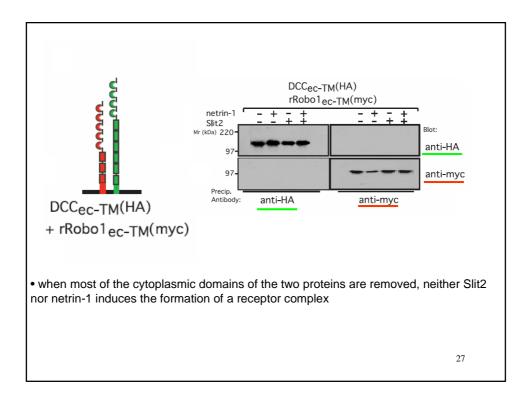


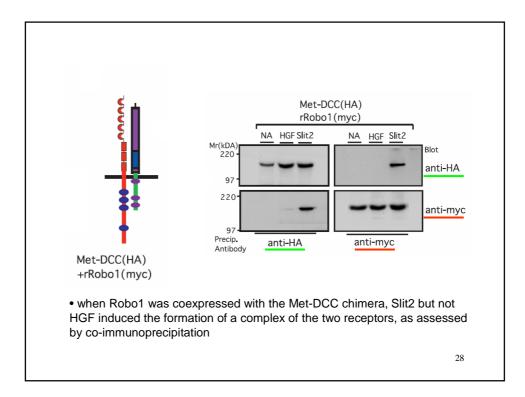


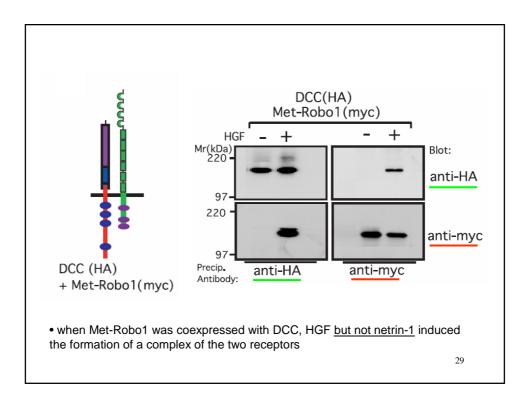


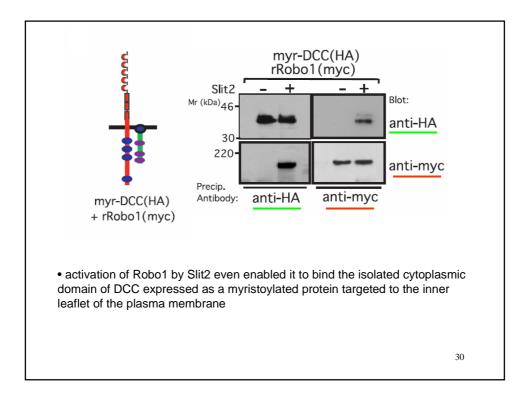


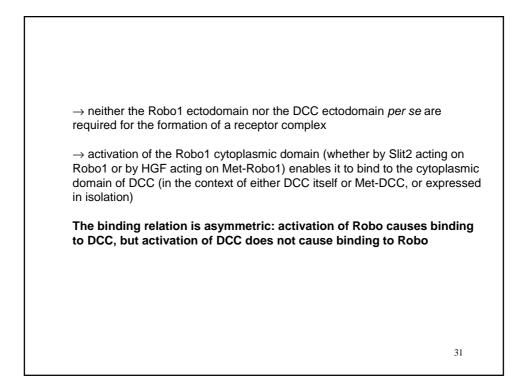


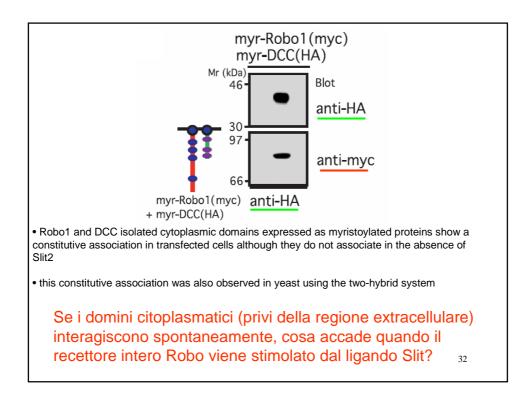


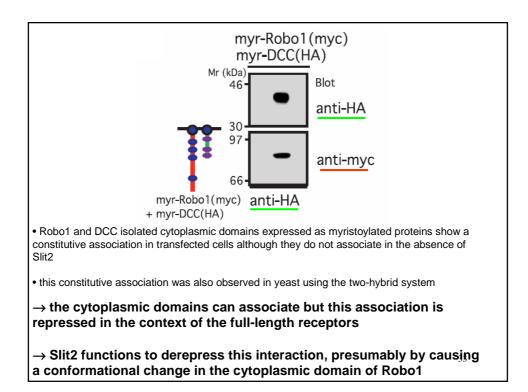


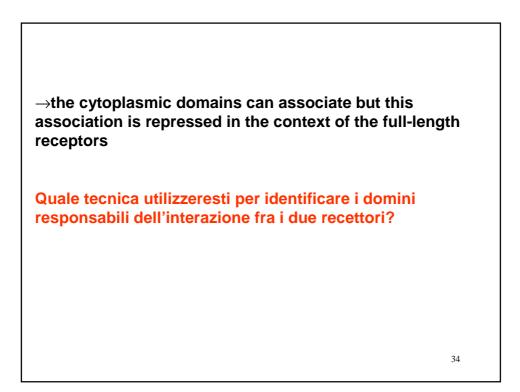


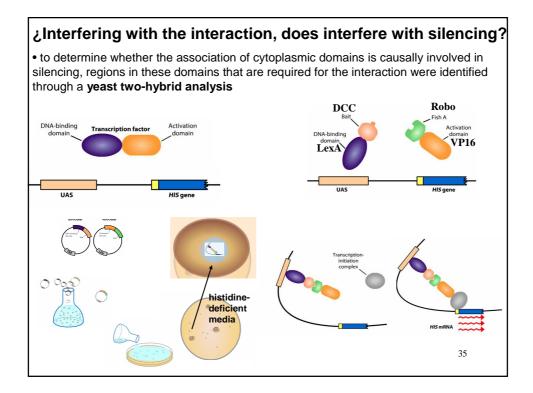


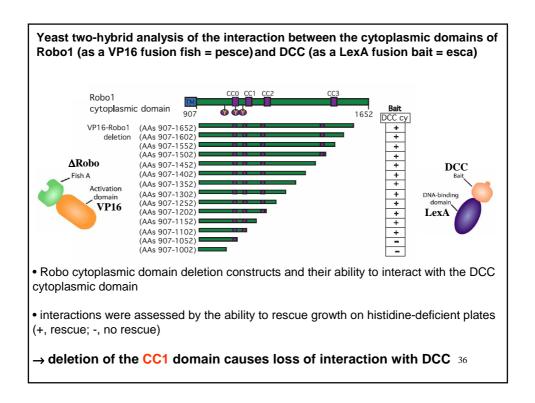


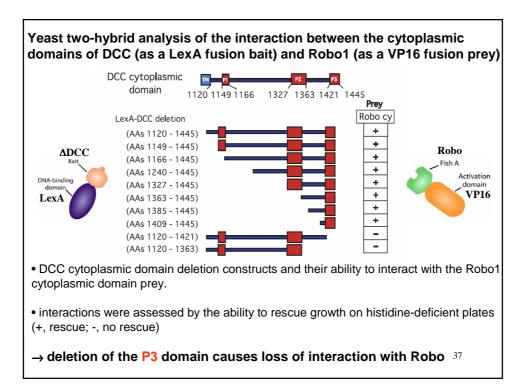


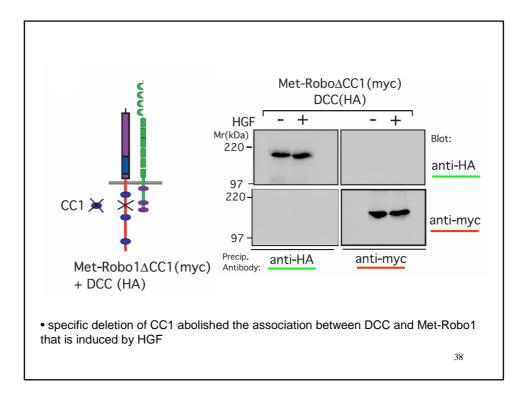


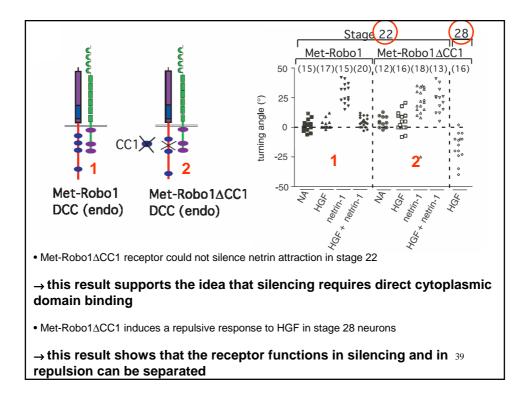


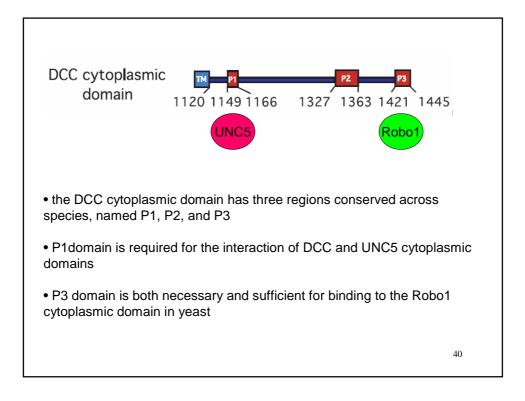


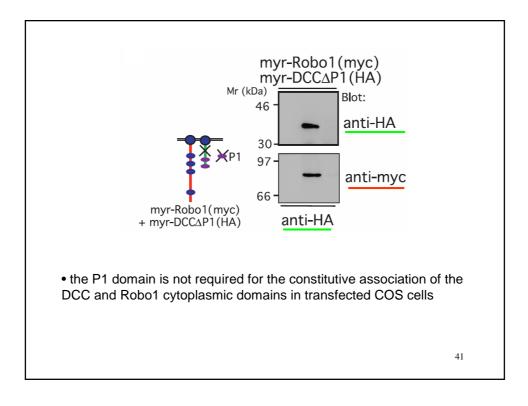


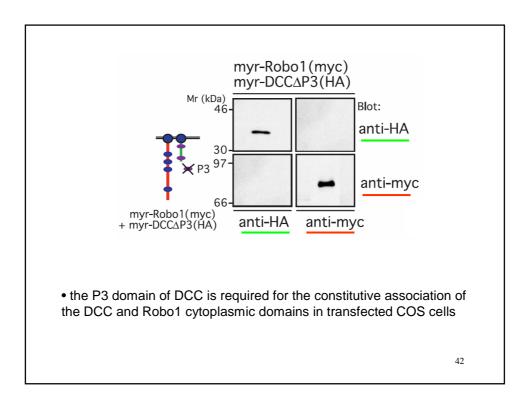


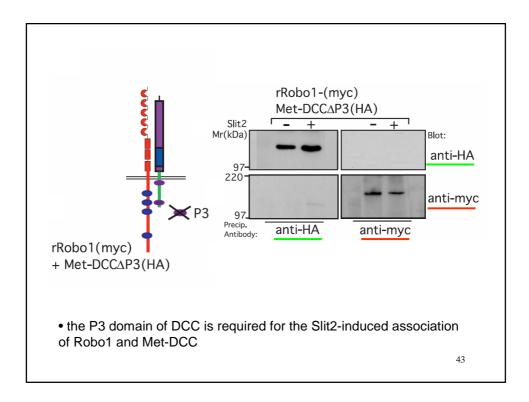












## ¿Does deletion of P3, by blocking the DCC-Robo interaction, also block silencing?

• one impediment to testing this is the fact that P3 is also required for the function of DCC in attraction (:se elimino l'attrazione, come posso studiare il silenziamento dell'attrazione?) • DCC and Met-DCC multimerize in response to netrin-1 or HGF, respectively, and deletion of P3 abolishes both this multimerization and the ability of Met-DCC to mediate attraction in response to HGF (previous data) • replacing P3 with a different multimerization domain, the SAM domain of the EphB1 receptor, can restore the multimerization of both DCC and Met-DCC in response to their ligands, as well as the ability of the Met-DCC receptor to induce an attractive response in neurons in response to HGF (21) (24) (45) (32) (27) (17) (14) 50 turning angle (°) 25 inn't Sill BONY Sitt SHIP -25

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