

**Table 1. Microinjection experiments reveal specific movement of CmHsc70-1 and CmHsc70-2 but not of CmHsc70-3**

Injected material *	Injections	Movement (%)	Expression system and purification scheme
LYCH	28	28 (100)	NA
12 kDa F-dextran	37	2 (5)	NA
CmPP16 †	16	14 (87)	<i>Escherichia coli</i> and recombinant protein purified from inclusion bodies (IB)
CmHsc70-1	18	15 (82)	Baculovirus/ <i>Escherichia coli</i> – native /IB purified
CmHsc70-2	10	7 (70)	<i>Escherichia coli</i> – native and IB purified
CmHsc70-3	27	1 (4)	Baculovirus/ <i>Escherichia coli</i> – native /IB purified
CmHsc70-1 377-652	10	0 (0)	<i>Escherichia coli</i> – native /IB purified
CmHsc70-1 1-376	25	22 (88)	<i>Escherichia coli</i> – native /IB purified
CmHsc70-3–Hsc70-1 466-652	12	11 (92)	<i>Escherichia coli</i> – native /IB purified
CmHsc70-1 622-639	10	1 (10)	<i>Escherichia coli</i> – native /IB purified
CmHsc70-1 N P <sub>637</sub> >T	10	0 (0)	<i>Escherichia coli</i> – native /IB purified
CmHsc70-3 T <sub>634</sub> >P	31	20 (65) <sup>‡</sup>	<i>Escherichia coli</i> – native /IB purified
hHsp70	10	0 (0)	<i>Escherichia coli</i> – native /IB purified
hHsp70 -CmHsc70-1 SVR-TPR-PB	15	12 (80) <sup>‡</sup>	<i>Escherichia coli</i> – native /IB purified
GFP-CmHsp70-1 SVR-TPR-PB (625-652)	16	3 (19)	<i>Escherichia coli</i> – native purified
GFP-CmHsp70-1 SVR-TPR-PB (P <sub>637</sub> >T)	10	2 (20)	<i>Escherichia coli</i> – native purified

\* All protein probes except GFP constructs were coinjected with 12 kDa F-dextran to monitor the increase in plasmodesmal size exclusion limit and as an efficient reporter of protein trafficking from cell to cell.

† Concentration of proteins used in microinjection assays was 0.5 µg/µl.

‡ Movement occurred into 7 cells and the rate of spread was much slower than with CmPP16.