

Figure S1. Measurement position of ion flux in the roots, stems and leaf veins of *Cucurbit*.

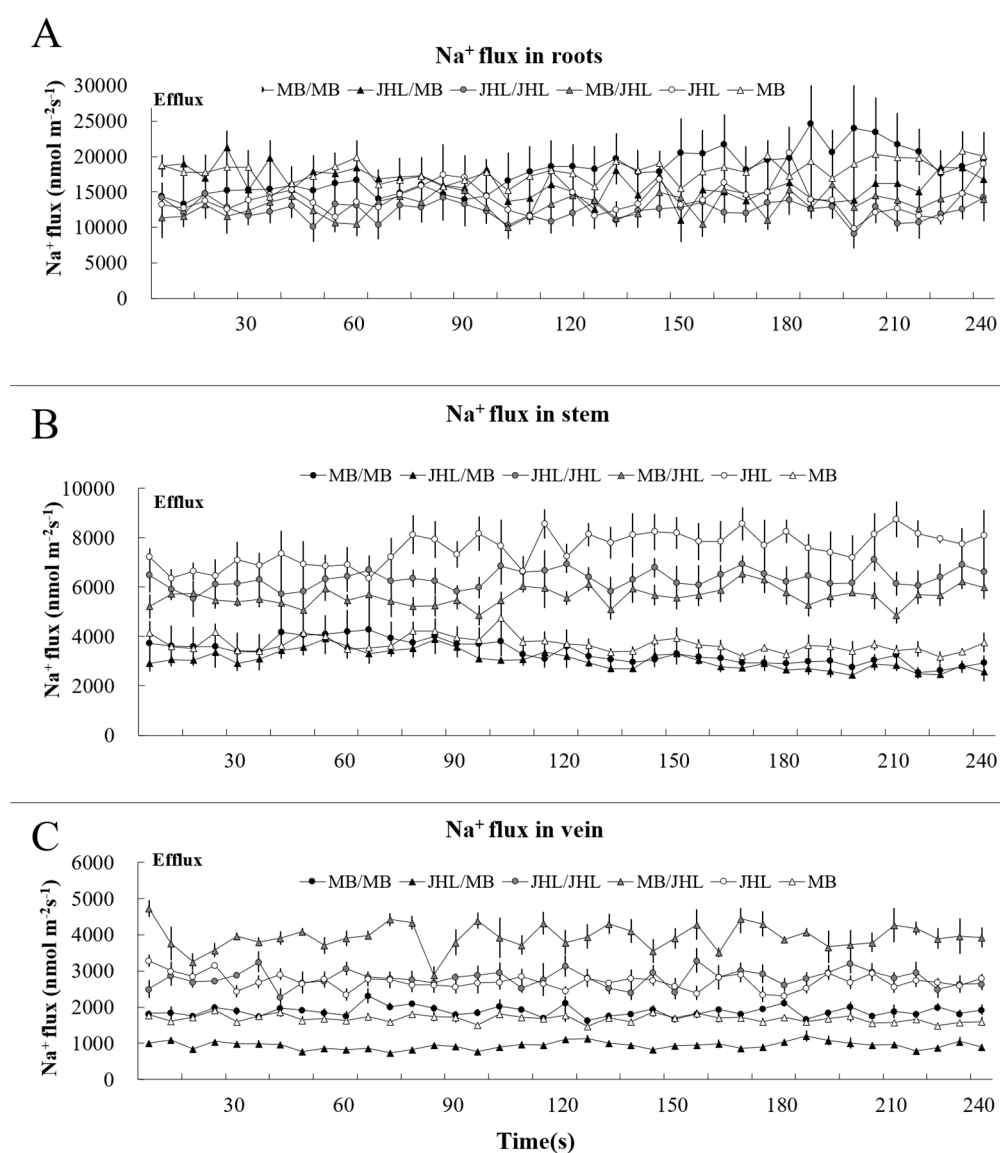


Figure S2. A four-minute continuous Na⁺ flux recording was conducted using non-invasive micro-test technology (NMT) with roots (A), stems (B) and leaf veins (C) of four grafting combinations (JHL/JHL (*C. maxima* self-grafted), JHL/MB (*C. maxima* scion grafted on *C. moschata* rootstock), MB/MB (*C. moschata* self-grafted) and MB/JHL (*C. moschata* scion grafted on *C. maxima* rootstock) and two non-grafted seedlings (JHL and MB).

Table S1. List of primer sequences used for qRT-PCR analysis

Genes	Forward Primer	Reversed Primer
<i>SOS1</i>	TGGCGGTGATGACATTAGGA	CCTTCGCTTCCAAGAAGTCC
<i>HKT1</i>	ACTCCTCATCATCACCACCC	ATGCTTAGCTCATCGACGGT
<i>NHX6</i>	GAGGTTCAACTGGTACGATGC	TGCAGTGCTCTCATGGAAGT
<i>EF1a</i>	GCCTCAAAGTCCAAGGATGA	GGCTCCTTCTCGAGTTCTT

All primers were designed based on a published mRNA on Cucurbit Genomics Database (<http://cucurbitgenomics.org>) using Primer 5 software. *EF1a* is the reference gene for qRT-PCR analysis.