

Supplementary table 2. Adjustment of the observations for the means from the models with interaction between season and apiary (sxa), season and apiary (s+a), season (s), apiary (a) or the overall mean (m); (no) means that a trait was not observed.

trait	Austria	Croatia	Germany
b3	s+a	m	sxa
b5	s+a	no	no
BINF	sxa	s+a	sxa
BINF1	sxa	m	s
BINF2	sxa	m	s
BINF3	a	m	sxa
BINF4	sxa	no	no
BINF5	s	no	no
BRINF	s+a	s+a	sxa
MF-OA	no	no	sxa
MPG	sxa	m	sxa
NMF	a	m	sxa
PIN	sxa	s+a	s
PINop	s+a	s+a	s
PIN1	s+a	s+a	s
PIN1op	s+a	s+a	s
PIN2	a	m	s
PIN2op	a	no	sxa
REC	s+a	s+a	s
RECinf	s+a	s	s
REC-SMR	no	m	no
SMR	s+a	s	sxa

¹⁾ REC-SMR represents 6 observations for REC and for SMR.