

Figure 4–figure supplement 2

LAT V3

| Condition | Comparison | Pattern | -40 | -20 | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 180 | 300 | 420 | |
|--|----------------------------|----------------|-----|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|
| Restoration to LAT full stimulus | | | | | | | | | | | | | | | |
| LAT V3, full stimulus | LAT, full stimulus | any central | | | 0.03 | 0.001 | 0.000 0.004 | 0.000 0.001 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.03 | 0.000 0.002 | |
| LAT V3, Itk ko, full stimulus | LAT, full stimulus | any central | | 0.002 | | 0.01 | 0.04 0.007 | 0.01 0.006 | 0.004 0.000 | 0.003 0.000 | 0.002 0.000 | 0.001 0.000 | 0.001 0.004 | 0.000 0.006 | |
| LAT V3, anti-B7 | LAT, full stimulus | any central | | 0.006 | | 0.008 | 0.002 0.04 | 0.004 0.03 | 0.003 0.02 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.006 0.006 | 0.006 0.006 | |
| LAT V3, Itk ko anti-B7 | LAT, full stimulus | any central | | | 0.000 0.000 | 0.006 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.01 0.03 | 0.009 0.003 | 0.02 0.003 |
| Enhancement under matched stimuli | | | | | | | | | | | | | | | |
| LAT V3, Itk ko, full stimulus | LAT, Itk ko, full stimulus | any central | | 0.004 | 0.007 | 0.03 | 0.01 | 0.005 | 0.03 0.001 | 0.01 0.000 | 0.004 0.001 | 0.04 0.001 | 0.01 0.006 | 0.001 0.004 | |
| LAT V3, anti-B7 | LAT, anti-B7 | any central | | | | 0.02 | 0.002 0.000 | 0.001 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.006 0.003 | 0.003 0.004 | |
| LAT V3, Itk ko, anti-B7 | LAT, Itk ko, anti-B7 | any central | | 0.000 | 0.000 0.04 | 0.000 0.001 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.001 0.01 | 0.000 0.000 | |

LAT Vav

| Condition | Comparison | Pattern | -40 | -20 | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 180 | 300 | 420 |
|--|----------------------------|----------------|-----|-----|----------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|
| Restoration to LAT full stimulus | | | | | | | | | | | | | | |
| LAT Vav, full stimulus | LAT, full stimulus | any central | | | 0.002 0.05 | 0.03 0.01 | 0.004 | 0.002 | 0.001 | 0.003 | 0.000 | 0.002 | | |
| LAT Vav, Itk ko, full stimulus | LAT, full stimulus | any central | | | 0.000 0.005 | 0.001 | | 0.001 | 0.001 | 0.000 | 0.000 | 0.001 | 0.008 | |
| LAT Vav, anti-B7 | LAT, full stimulus | any central | | | | | 0.002 | 0.002 | 0.002 | 0.000 | 0.002 | | | |
| LAT Vav, Itk ko anti-B7 | LAT, full stimulus | any central | | | 0.000 0.000 | 0.000 | 0.02 | 0.006 | 0.000 | 0.000 | 0.000 | 0.04 0.002 | | 0.05 |
| Enhancement under matched stimuli | | | | | | | | | | | | | | |
| LAT Vav, Itk ko, full stimulus | LAT, Itk ko, full stimulus | any central | | | | 0.01 | 0.05 | 0.001 | 0.05 | 0.02 | 0.03 | 0.005 | 0.05 | |
| LAT Vav, anti-B7 | LAT, anti-B7 | any central | | | 0.001 0.000 | 0.01 0.000 | 0.000 0.000 | 0.000 0.000 | 0.001 0.001 | 0.001 0.000 | 0.005 0.000 | | | 0.03 |
| LAT Vav, Itk ko, anti-B7 | LAT, Itk ko, anti-B7 | any central | | | | 0.03 0.005 | 0.001 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.001 0.03 | 0.000 0.007 |

LAT PLCdPH

| Condition | Comparison | Pattern | -40 | -20 | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 180 | 300 | 420 |
|--|----------------------------|----------------|-----|------|----------------|---------------|-------|-------|---------------|----------------|---------------|-------|-------|--------------|
| Restoration to LAT full stimulus | | | | | | | | | | | | | | |
| LAT PLCd, full stimulus | LAT, full stimulus | any central | | | 0.000 0.000 | 0.000 0.05 | 0.000 | 0.002 | 0.03 | 0.03 | | | | |
| LAT PLCd, Itk ko, full stimulus | LAT, full stimulus | any central | | | 0.000 0.001 | 0.01 | | | 0.001 0.05 | | 0.03 | | | |
| LAT PLCd, anti-B7 | LAT, full stimulus | any central | | | | 0.03 0.009 | 0.01 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.05 0.04 |
| LAT PLCd, Itk ko anti-B7 | LAT, full stimulus | any central | | | 0.000 0.001 | 0.009 0.02 | | | | | | 0.005 | | |
| Enhancement under matched stimuli | | | | | | | | | | | | | | |
| LAT PLCd, Itk ko, full stimulus | LAT, Itk ko, full stimulus | any central | | 0.05 | | | | | 0.005 | | 0.05 | | | |
| LAT PLCd, anti-B7 | LAT, anti-B7 | any central | | | 0.009 0.01 | | | 0.03 | | | | | | |
| LAT PLCd, Itk ko anti-B7 | LAT, Itk ko, anti-B7 | any central | | | | 0.005 | 0.002 | 0.000 | 0.000 | 0.000 0.003 | 0.000 0.05 | 0.000 | 0.002 | 0.002 |