### S5 Table. Retrieval stage EMG data.

Means, standard errors and standard deviations for all expression types and time windows for corrugator and zygomaticus muscles.

| Muscle       | Consistency | Expression | Measure | Fixation | 500     | 1000    | 1500   | 2000   | 2500   | 3000   | 3500   | 4000   |
|--------------|-------------|------------|---------|----------|---------|---------|--------|--------|--------|--------|--------|--------|
|              |             |            |         |          |         |         |        |        |        |        |        |        |
| **Corrugator** | Consistent | Smile      | Mean    | 0.00     | 0.25    | -5.64   | -4.04  | -2.77  | -3.06  | -1.67  | -2.92  | -3.33  |
|              |             |            | SE      | 0.00     | 0.89    | 1.83    | 1.85   | 1.69   | 1.54   | 1.39   | 1.53   | 1.59   |
|              |             |            | SD      | 0.00     | 4.38    | 8.97    | 9.08   | 8.29   | 7.54   | 6.81   | 7.51   | 7.78   |
|              | Inconsistent| Smile      | Mean    | 0.00     | -0.38   | -4.66   | -4.18  | -2.65  | -1.64  | -0.53  | -3.66  | -4.66  |
|              |             |            | SE      | 0.00     | 0.99    | 1.51    | 1.55   | 1.64   | 1.72   | 1.35   | 1.19   | 1.15   |
|              |             |            | SD      | 0.00     | 4.84    | 7.40    | 7.61   | 8.05   | 8.40   | 6.64   | 5.83   | 5.65   |
| Zygomaticus  | Consistent  | Smile      | Mean    | 0.00     | -1.55   | -3.35   | -3.48  | -1.95  | -2.71  | -1.82  | -0.71  | -0.68  |
|              |             |            | SE      | 0.00     | 1.25    | 1.45    | 1.23   | 1.68   | 1.73   | 1.86   | 1.76   | 1.61   |
|              |             |            | SD      | 0.00     | 6.11    | 7.11    | 6.02   | 8.22   | 8.57   | 10.52  | 7.97   | 7.28   |
|              | Inconsistent| Smile      | Mean    | 0.00     | -0.63   | -4.50   | -4.79  | -3.30  | -1.39  | -0.43  | -0.11  | -2.23  |
|              |             |            | SE      | 0.00     | 0.93    | 1.20    | 1.31   | 1.40   | 1.34   | 1.14   | 1.71   | 1.43   |
|              |             |            | SD      | 0.00     | 4.55    | 5.89    | 6.40   | 6.85   | 6.56   | 5.57   | 8.37   | 7.90   |
| Inconsistent | Consistent  | Smile      | Mean    | 0.00     | -2.10   | -4.03   | -2.52  | -0.58  | 0.12   | 0.05   | -2.12  | -0.51  |
|              |             |            | SE      | 0.00     | 1.00    | 1.48    | 1.61   | 1.50   | 1.87   | 1.99   | 1.85   | 1.90   |
|              |             |            | SD      | 0.00     | 4.92    | 7.24    | 7.90   | 7.34   | 9.17   | 9.74   | 9.09   | 9.30   |
| Inconsistent | Inconsistent| Frown      | Mean    | 0.00     | -0.29   | -5.12   | -6.17  | -5.52  | -3.53  | -2.66  | -2.23  | -1.70  |
|              |             |            | SE      | 0.00     | 0.96    | 1.14    | 1.48   | 1.55   | 1.38   | 1.89   | 1.73   | 1.93   |
|              |             |            | SD      | 0.00     | 4.69    | 5.58    | 7.26   | 7.60   | 6.78   | 9.24   | 8.50   | 9.47   |