**Figure 5-1: Confusion matrix: interrater variability**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | AU43\_5 | UpperNone | AU1+2 | AU1+2+43\_5 | Other  Upper | AU25+26 | AU25+26+18i | Other  Lower | AU25+26+16 |
| AU43\_5 | 96% | <1% | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Upper  None | <1% | 81% | 6.2% | 0 | 6.1% | 0 | 0 | 0 | 0 |
| AU1+2 | 3% | 18.9% | 92.3% | 12.5% | 6.1% | 0 | 0 | 0 | 0 |
| AU1+2+43\_5 | <1% | 0 | <1% | 87.5% | 0 | 0 | 0 | 0 | 0 |
| Other  Upper | 0 | <1% | 1% | 0 | 87.8% | 0 | 0 | 0 | 0 |
| AU25+26 | 0 | 0 | 0 | 0 | 0 | 87.5% | 0 | 3.1% | 2.6% |
| AU25+26+18i | 0 | 0 | 0 | 0 | 0 | 1.4% | 100% | <1% | 0 |
| Other  Lower | 0 | 0 | 0 | 0 | 0 | 10% | 0 | 95.5% | 33.8% |
| AU25+26+16 | 0 | 0 | 0 | 0 | 0 | 1.1% | 0 | 1.3% | 63.6% |

Confusion matrix for the interrater variability between two experienced human coders, for a video from FD. “Other Upper” and “Other Lower” represent all the upper-face and lower-face labels which were not part of the task of the automatic classifier.