**Supplementary Material 5 – Voting Mechanism**

Table S4: Decision matrix for combined machine learning with keyword-based algorithm

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Machine learning | Positive keywords | Negative keywords | Final decision |
| 1. | 1 | 1 | 1 | 1 = substandard medicine |
| 2. | 1 | 1 | 0 | 1 = substandard medicine |
| 3. | 1 | 0 | 1 | 1 = substandard medicine |
| 4. | 0 | 1 | 1 | 1 = substandard medicine |
| 5. | 1 | 0 | 0 | 0 = non-substandard medicine |
| 6. | 0 | 1 | 0 | 0 = non-substandard medicine |
| 7. | 0 | 0 | 1 | 0 = non-substandard medicine |
| 8. | 0 | 0 | 0 | 0 = non-substandard medicine |

1 = substandard medicine

0 = non-substandard medicine