

|                     |                             | FILTER A D S R |      |      |      |      | VCA A D S R |     |     |     |     | FILTER |     | OSC 1         | Frequency (Hz)                         | Time (s)         | dB | Ratio |
|---------------------|-----------------------------|----------------|------|------|------|------|-------------|-----|-----|-----|-----|--------|-----|---------------|--|------------------|----|-------|
| Control Change (CC) | Isolated parameter rank     | A              | D    | S    | R    | EG   | A           | D   | S   | R   |     | CUTOFF | RES | Waveform type |  |                  |    |       |
| 23                  | filter Attack               | A              | 0.00 | 1.0  | 1.0  | 1.0  | 1.0         | 1.0 | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0                | -  | -     |
|                     |                             | A              | 0.10 | 1.0  | 1.0  | 1.0  | 1.0         | 1.0 | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,096            | -  | -     |
|                     |                             | A              | 0.20 | 1.0  | 1.0  | 1.0  | 1.0         | 1.0 | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,176            | -  | -     |
|                     |                             | A              | 0.30 | 1.0  | 1.0  | 1.0  | 1.0         | 1.0 | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,197            | -  | -     |
|                     |                             | A              | 0.40 | 1.0  | 1.0  | 1.0  | 1.0         | 1.0 | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,174            | -  | -     |
|                     |                             | A              | 0.50 | 1.0  | 1.0  | 1.0  | 1.0         | 1.0 | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,17             | -  | -     |
|                     |                             | A              | 0.60 | 1.0  | 1.0  | 1.0  | 1.0         | 1.0 | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,33             | -  | -     |
|                     |                             | A              | 0.70 | 1.0  | 1.0  | 1.0  | 1.0         | 1.0 | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,722            | -  | -     |
|                     |                             | A              | 0.80 | 1.0  | 1.0  | 1.0  | 1.0         | 1.0 | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 1,811            | -  | -     |
|                     |                             | A              | 0.90 | 1.0  | 1.0  | 1.0  | 1.0         | 1.0 | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 4,55             | -  | -     |
|                     |                             | A              | 1.00 | 1.0  | 1.0  | 1.0  | 1.0         | 1.0 | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 12,027           | -  | -     |
| 24                  | filter Decay                | D              | 0    | 0.00 | 0    | 1.0  | 1.0         | 0   | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0                | -  | -     |
|                     |                             | D              | 0    | 0.10 | 0    | 1.0  | 1.0         | 0   | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,065            | -  | -     |
|                     |                             | D              | 0    | 0.20 | 0    | 1.0  | 1.0         | 0   | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,074            | -  | -     |
|                     |                             | D              | 0    | 0.30 | 0    | 1.0  | 1.0         | 0   | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,115            | -  | -     |
|                     |                             | D              | 0    | 0.40 | 0    | 1.0  | 1.0         | 0   | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,151            | -  | -     |
|                     |                             | D              | 0    | 0.50 | 0    | 1.0  | 1.0         | 0   | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0,252            | -  | -     |
|                     |                             | D              | 0    | 0.60 | 0    | 1.0  | 1.0         | 0   | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 1,036            | -  | -     |
|                     |                             | D              | 0    | 0.70 | 0    | 1.0  | 1.0         | 0   | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 1,741            | -  | -     |
|                     |                             | D              | 0    | 0.80 | 0    | 1.0  | 1.0         | 0   | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 3,88             | -  | -     |
|                     |                             | D              | 0    | 0.90 | 0    | 1.0  | 1.0         | 0   | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 6,745            | -  | -     |
|                     |                             | D              | 0    | 1.00 | 0    | 1.0  | 1.0         | 0   | 1.0 | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 13,531           | -  | -     |
| 25                  | filter Sustain              | S              | 0    | 0    | 0.00 | 0    | 1.0         | 0   | 0   | 1.0 | 0   | 0.5    | 1.0 | Noise         | 0                                      | -                | -  | -     |
|                     |                             | S              | 0    | 0    | 0.10 | 0    | 1.0         | 0   | 0   | 1.0 | 0   | 0.5    | 1.0 | Noise         | 516-350=166 //// 166/19650= 0,01       | -                | -  | -     |
|                     |                             | S              | 0    | 0    | 0.20 | 0    | 1.0         | 0   | 0   | 1.0 | 0   | 0.5    | 1.0 | Noise         | 850-350=500 //// 500/19650= 0,02       | -                | -  | -     |
|                     |                             | S              | 0    | 0    | 0.30 | 0    | 1.0         | 0   | 0   | 1.0 | 0   | 0.5    | 1.0 | Noise         | 1335-350= 985 //// 985/19650= 0,05     | -                | -  | -     |
|                     |                             | S              | 0    | 0    | 0.40 | 0    | 1.0         | 0   | 0   | 1.0 | 0   | 0.5    | 1.0 | Noise         | 2200-350=1850 //// 1850/19650= 0,094   | -                | -  | -     |
|                     |                             | S              | 0    | 0    | 0.50 | 0    | 1.0         | 0   | 0   | 1.0 | 0   | 0.5    | 1.0 | Noise         | 3400-350=3050 ///// 3050/19650= 0,15   | -                | -  | -     |
|                     |                             | S              | 0    | 0    | 0.60 | 0    | 1.0         | 0   | 0   | 1.0 | 0   | 0.5    | 1.0 | Noise         | 5431-350=5081 ///// 5081/19650= 0,27   | -                | -  | -     |
|                     |                             | S              | 0    | 0    | 0.70 | 0    | 1.0         | 0   | 0   | 1.0 | 0   | 0.5    | 1.0 | Noise         | 8371-350= 8021 ///// 8021/19650= 0,40  | -                | -  | -     |
|                     |                             | S              | 0    | 0    | 0.80 | 0    | 1.0         | 0   | 0   | 1.0 | 0   | 0.5    | 1.0 | Noise         | 12000-350=11650 //// 11650/19650= 0,59 | -                | -  | -     |
|                     |                             | S              | 0    | 0    | 0.90 | 0    | 1.0         | 0   | 0   | 1.0 | 0   | 0.5    | 1.0 | Noise         | 16100-350=15750 //// 15750/19650= 0,80 | -                | -  | -     |
|                     |                             | S              | 0    | 0    | 1.00 | 0    | 1.0         | 0   | 0   | 1.0 | 0   | 0.5    | 1.0 | Noise         | 20000-350=19650 //// 19650/19650=1     | -                | -  | -     |
| 26                  | filter Release mid          | R              | 0    | 0    | 1.0  | 0.00 | 1.0         | 0   | 0   | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 0                | -  | -     |
|                     |                             | R              | 0    | 0    | 1.0  | 0.10 | 1.0         | 0   | 0   | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 25,004-25=0,004  | -  | -     |
|                     |                             | R              | 0    | 0    | 1.0  | 0.20 | 1.0         | 0   | 0   | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 25,013-25= 0,013 | -  | -     |
|                     |                             | R              | 0    | 0    | 1.0  | 0.30 | 1.0         | 0   | 0   | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 25,038-25=0,038  | -  | -     |
|                     |                             | R              | 0    | 0    | 1.0  | 0.40 | 1.0         | 0   | 0   | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 25,082-25= 0,082 | -  | -     |
|                     |                             | R              | 0    | 0    | 1.0  | 0.50 | 1.0         | 0   | 0   | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 25,320-25= 0,320 | -  | -     |
|                     |                             | R              | 0    | 0    | 1.0  | 0.60 | 1.0         | 0   | 0   | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 25,524-25=0,524  | -  | -     |
|                     |                             | R              | 0    | 0    | 1.0  | 0.70 | 1.0         | 0   | 0   | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 26,383-25= 1,383 | -  | -     |
|                     |                             | R              | 0    | 0    | 1.0  | 0.80 | 1.0         | 0   | 0   | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 28,473-25=3,473  | -  | -     |
|                     |                             | R              | 0    | 0    | 1.0  | 0.90 | 1.0         | 0   | 0   | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 32,322-25=7,322  | -  | -     |
|                     |                             | R              | 0    | 0    | 1.0  | 1.00 | 1.0         | 0   | 0   | 1.0 | 1.0 | 0.5    | 1.0 | Noise         | -                                      | 38,478-25=13,478 | -  | -     |
| 27                  | filter EG amount Cutoff 10% | EG             | 1.0  | 1.0  | 1.0  | 1.0  | 0.00        | 1.0 | 1.0 | 1.0 | 1.0 | 0.10   | 1.0 | Noise         | -                                      | -                | -  | -     |
|                     |                             | EG             | 1.0  | 1.0  | 1.0  | 1.0  | 0.10        | 1.0 | 1.0 | 1.0 | 1.0 | 0.10   | 1.0 | Noise         | -                                      | -                | -  | -     |
|                     |                             | EG             | 1.0  | 1.0  | 1.0  | 1.0  | 0.20        | 1.0 | 1.0 | 1.0 | 1.0 | 0.10   | 1.0 | Noise         | -                                      | -                | -  | -     |
|                     |                             | EG             | 1.0  | 1.0  | 1.0  | 1.0  | 0.30        | 1.0 | 1.0 | 1.0 | 1.0 | 0.10   | 1.0 | Noise         | -                                      | -                | -  | -     |
|                     |                             | EG             | 1.0  | 1.0  | 1.0  | 1.0  | 0.40        | 1.0 | 1.0 | 1.0 | 1.0 | 0.10   | 1.0 | Noise         | -                                      | -                | -  | -     |
|                     |                             | EG             | 1.0  | 1.0  | 1.0  | 1.0  | 0.50        | 1.0 | 1.0 | 1.0 | 1.0 | 0.10   | 1.0 | Noise         | -                                      | -                | -  | -     |

|    |                             |    |     |     |     |     |      |     |     |     |     |      |     |       |                        |   |   |        |
|----|-----------------------------|----|-----|-----|-----|-----|------|-----|-----|-----|-----|------|-----|-------|------------------------|---|---|--------|
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.60 | 1.0 | 1.0 | 1.0 | 1.0 | 0.10 | 1.0 | Noise | -                      | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.70 | 1.0 | 1.0 | 1.0 | 1.0 | 0.10 | 1.0 | Noise | -                      | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.80 | 1.0 | 1.0 | 1.0 | 1.0 | 0.10 | 1.0 | Noise | -                      | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.90 | 1.0 | 1.0 | 1.0 | 1.0 | 0.10 | 1.0 | Noise | -                      | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 1.00 | 1.0 | 1.0 | 1.0 | 1.0 | 0.10 | 1.0 | Noise | -                      | - | - | -      |
| 27 | filter EG amount Cutoff 20% | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.00 | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | Noise | -344                   | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.10 | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | Noise | -387                   | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | Noise | -430                   | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | Noise | -473                   | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | Noise | -516                   | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | Noise | 0                      | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.60 | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | Noise | 775                    | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.70 | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | Noise | 1766                   | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.80 | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | Noise | 4263                   | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.90 | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | Noise | 8355                   | - | - | -      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 1.00 | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | Noise | 16285                  | - | - | -      |
| 27 | filter EG amount Cutoff 30% | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.00 | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | Noise | -2627                  | - | - | -0,15  |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.10 | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | Noise | -2584                  | - | - | -0,145 |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | Noise | -2584                  | - | - | -0,145 |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | Noise | -2197                  | - | - | -0,12  |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | Noise | -1423                  | - | - | -0,08  |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | Noise | 0                      | - | - | 0      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.60 | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | Noise | 2067                   | - | - | 0,11   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.70 | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | Noise | 7237                   | - | - | 0,4    |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.80 | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | Noise | 15787                  | - | - | 0,89   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.90 | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | Noise | 17287                  | - | - | 0,97   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 1.00 | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | Noise | 17787                  | - | - | 1      |
| 27 | filter EG amount Cutoff 40% | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.00 | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | Noise | Cutoff 7300Hz<br>-6915 | - | - | 0,46   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.10 | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | Noise | -6742                  | - | - | 0,45   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | Noise | -6398                  | - | - | 0,42   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | Noise | -5300                  | - | - | 0,35   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | Noise | -3000                  | - | - | 0,2    |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | Noise | 0                      | - | - | 0      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.60 | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | Noise | 5500                   | - | - | 0,36   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.70 | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | Noise | 13000                  | - | - | 0,86   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.80 | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | Noise | 14500                  | - | - | 0,96   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.90 | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | Noise | 14800                  | - | - | 0,98   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 1.00 | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | Noise | 15000                  | - | - | 1      |
| 27 | filter EG amount Cutoff 50% | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.00 | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | Noise | Cutoff 7300Hz<br>-6915 | - | - | 0,46   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.10 | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | Noise | -6742                  | - | - | 0,45   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | Noise | -6398                  | - | - | 0,42   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.30 | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | Noise | -5300                  | - | - | 0,35   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.40 | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | Noise | -3000                  | - | - | 0,2    |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | Noise | 0                      | - | - | 0      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.60 | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | Noise | 5500                   | - | - | 0,36   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.70 | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | Noise | 13000                  | - | - | 0,86   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.80 | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | Noise | 14500                  | - | - | 0,96   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.90 | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | Noise | 14800                  | - | - | 0,98   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 1.00 | 1.0 | 1.0 | 1.0 | 1.0 | 0.50 | 1.0 | Noise | 15000                  | - | - | 1      |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.00 | 1.0 | 1.0 | 1.0 | 1.0 | 0.60 | 1.0 | Noise | Cutoff 7300Hz<br>-6915 | - | - | 0,46   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.10 | 1.0 | 1.0 | 1.0 | 1.0 | 0.60 | 1.0 | Noise | -6742                  | - | - | 0,45   |
|    |                             | EG | 1.0 | 1.0 | 1.0 | 1.0 | 0.20 | 1.0 | 1.0 | 1.0 | 1.0 | 0.60 | 1.0 | Noise | -6398                  | - | - | 0,42   |



|    |             |         |   |   |   |   |     |      |      |      |      |      |     |       |        |        |   |   |
|----|-------------|---------|---|---|---|---|-----|------|------|------|------|------|-----|-------|--------|--------|---|---|
| 28 | VCA Attack  | A       | 0 | 0 | 0 | 0 | 0.5 | 0.00 | 0    | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0      | - | - |
|    |             | A       | 0 | 0 | 0 | 0 | 0.5 | 0.10 | 0    | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0      | - | - |
|    |             | A       | 0 | 0 | 0 | 0 | 0.5 | 0.20 | 0    | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,069  | - | - |
|    |             | A       | 0 | 0 | 0 | 0 | 0.5 | 0.30 | 0    | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,034  | - | - |
|    |             | A       | 0 | 0 | 0 | 0 | 0.5 | 0.40 | 0    | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,11   | - | - |
|    |             | A       | 0 | 0 | 0 | 0 | 0.5 | 0.50 | 0    | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,198  | - | - |
|    |             | A       | 0 | 0 | 0 | 0 | 0.5 | 0.60 | 0    | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,39   | - | - |
|    |             | A       | 0 | 0 | 0 | 0 | 0.5 | 0.70 | 0    | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,911  | - | - |
|    |             | A       | 0 | 0 | 0 | 0 | 0.5 | 0.80 | 0    | 0    | 0    | 0.9  | 1.0 | Noise | -      | 2,246  | - | - |
|    |             | A       | 0 | 0 | 0 | 0 | 0.5 | 0.90 | 0    | 0    | 0    | 0.9  | 1.0 | Noise | -      | 5,479  | - | - |
| 29 | VCA Decay   | A       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 0    | 0    | 0    | 0.9  | 1.0 | Noise | -      | 17,763 | - | - |
|    |             | D       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0.00 | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,03   | - | - |
|    |             | D       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0.10 | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,066  | - | - |
|    |             | D       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0.20 | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,085  | - | - |
|    |             | D       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0.30 | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,143  | - | - |
|    |             | D       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0.40 | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,238  | - | - |
|    |             | D       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0.50 | 0    | 0    | 0.9  | 1.0 | Noise | -      | 0,577  | - | - |
|    |             | D       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0.60 | 0    | 0    | 0.9  | 1.0 | Noise | -      | 1,231  | - | - |
|    |             | D       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0.70 | 0    | 0    | 0.9  | 1.0 | Noise | -      | 2,755  | - | - |
|    |             | D       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0.80 | 0    | 0    | 0.9  | 1.0 | Noise | -      | 5,732  | - | - |
| 30 | VCA Sustain | D       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0.90 | 0    | 0    | 0.9  | 1.0 | Noise | -      | 10,356 | - | - |
|    |             | D       | 0 | 0 | 0 | 0 | 0.5 | 0    | 1.00 | 0    | 0    | 0.9  | 1.0 | Noise | -      | 17,461 | - | - |
|    |             | S       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 0.00 | 0    | 0.9  | 1.0 | Noise | -      | -      | - | - |
|    |             | S       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 0.10 | 0    | 0.9  | 1.0 | Noise | -      | -      | - | - |
|    |             | S       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 0.20 | 0    | 0.9  | 1.0 | Noise | -      | -      | - | - |
|    |             | S       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 0.30 | 0    | 0.9  | 1.0 | Noise | -      | -      | - | - |
|    |             | S       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 0.40 | 0    | 0.9  | 1.0 | Noise | -      | -      | - | - |
|    |             | S       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 0.50 | 0    | 0.9  | 1.0 | Noise | -      | -      | - | - |
|    |             | S       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 0.60 | 0    | 0.9  | 1.0 | Noise | -      | -      | - | - |
|    |             | S       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 0.70 | 0    | 0.9  | 1.0 | Noise | -      | -      | - | - |
| 31 | VCA Release | S       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 0.80 | 0    | 0.9  | 1.0 | Noise | -      | -      | - | - |
|    |             | S       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 0.90 | 0    | 0.9  | 1.0 | Noise | -      | -      | - | - |
|    |             | S       | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 1.00 | 0    | 0.9  | 1.0 | Noise | -      | -      | - | - |
|    |             | R       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 1.00 | 1.00 | 0.00 | 0.9  | 0   | Noise | 0      | -      | - | - |
|    |             | R       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 1.00 | 1.00 | 0.10 | 0.9  | 0   | Noise | 12,105 | -      | - | - |
|    |             | R       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 1.00 | 1.00 | 0.20 | 0.9  | 0   | Noise | 15,5   | -      | - | - |
|    |             | R       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 1.00 | 1.00 | 0.30 | 0.9  | 0   | Noise | 16,4   | -      | - | - |
|    |             | R       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 1.00 | 1.00 | 0.40 | 0.9  | 0   | Noise | 16,8   | -      | - | - |
|    |             | R       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 1.00 | 1.00 | 0.50 | 0.9  | 0   | Noise | 17,6   | -      | - | - |
|    |             | R       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 1.00 | 1.00 | 0.60 | 0.9  | 0   | Noise | 18     | -      | - | - |
| 19 | CutOff      | R       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 1.00 | 1.00 | 0.70 | 0.9  | 0   | Noise | 18     | -      | - | - |
|    |             | R       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 1.00 | 1.00 | 0.80 | 0.9  | 0   | Noise | 18     | -      | - | - |
|    |             | R       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 1.00 | 1.00 | 0.90 | 0.9  | 0   | Noise | 18     | -      | - | - |
|    |             | R       | 0 | 0 | 0 | 0 | 0.5 | 1.00 | 1.00 | 1.00 | 1.00 | 0.9  | 0   | Noise | 18     | -      | - | - |
|    |             | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 1.0  | 0    | 0.00 | 1.0 | Noise | 16     | -      | - | - |
|    |             | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 1.0  | 0    | 0.10 | 1.0 | Noise | 22     | -      | - | - |
|    |             | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 1.0  | 0    | 0.20 | 1.0 | Noise | 32     | -      | - | - |
|    |             | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 1.0  | 0    | 0.25 | 1.0 |       | 54     | -      | - | - |
| 19 | CutOff      | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 1.0  | 0    | 0.30 | 1.0 | Noise | 86     | -      | - | - |
|    |             | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 1.0  | 0    | 0.40 | 1.0 | Noise | 183    | -      | - | - |
|    |             | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 1.0  | 0    | 0.50 | 1.0 | Noise | 398    | -      | - | - |
|    |             | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0    | 0    | 1.0  | 0    | 0.60 | 1.0 | Noise | 807    | -      | - | - |

|    |                |         |   |   |   |   |     |   |   |     |   |      |      |       |       |   |     |   |
|----|----------------|---------|---|---|---|---|-----|---|---|-----|---|------|------|-------|-------|---|-----|---|
|    |                | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.70 | 1.0  | Noise | 1766  | - | -   | - |
|    |                | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.75 | 1.0  |       | 2509  | - | -   | - |
|    |                | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.80 | 1.0  | Noise | 3768  | - | -   | - |
|    |                | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.90 | 1.0  | Noise | 7300  | - | -   | - |
|    |                | Cut Off | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 1.00 | 1.0  | Noise | 13986 | - | -   | - |
| 21 | Res 10% Cutoff | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.10 | 0.00 | Noise | -     | - | -35 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.10 | 0.10 | Noise | -     | - | -34 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.10 | 0.20 | Noise | -     | - | -34 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.10 | 0.30 | Noise | -     | - | -33 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.10 | 0.40 | Noise | -     | - | -33 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.10 | 0.50 | Noise | -     | - | -32 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.10 | 0.60 | Noise | -     | - | -30 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.10 | 0.70 | Noise | -     | - | -30 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.10 | 0.80 | Noise | -     | - | -30 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.10 | 0.90 | Noise | -     | - | -29 | - |
| 21 | Res 20% Cutoff | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.10 | 1.00 | Noise | -     | - | -28 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.20 | 0.00 | Noise | -     | - | -   | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.20 | 0.10 | Noise | -     | - | -   | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.20 | 0.20 | Noise | -     | - | -   | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.20 | 0.30 | Noise | -     | - | -   | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.20 | 0.40 | Noise | -     | - | -   | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.20 | 0.50 | Noise | -     | - | -   | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.20 | 0.60 | Noise | -     | - | -   | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.20 | 0.70 | Noise | -     | - | -   | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.20 | 0.80 | Noise | -     | - | -   | - |
| 21 | Res 30% Cutoff | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.20 | 0.90 | Noise | -     | - | -   | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.20 | 1.00 | Noise | -     | - | -   | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.30 | 0.00 | Noise | -     | - | -44 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.30 | 0.10 | Noise | -     | - | -44 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.30 | 0.20 | Noise | -     | - | -44 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.30 | 0.30 | Noise | -     | - | -43 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.30 | 0.40 | Noise | -     | - | -42 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.30 | 0.50 | Noise | -     | - | -41 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.30 | 0.60 | Noise | -     | - | -39 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.30 | 0.70 | Noise | -     | - | -38 | - |
| 21 | Res 40% Cutoff | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.30 | 0.80 | Noise | -     | - | -37 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.30 | 0.90 | Noise | -     | - | -37 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.30 | 1.00 | Noise | -     | - | -35 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.40 | 0.00 | Noise | -     | - | -44 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.40 | 0.10 | Noise | -     | - | -44 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.40 | 0.20 | Noise | -     | - | -44 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.40 | 0.30 | Noise | -     | - | -43 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.40 | 0.40 | Noise | -     | - | -42 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.40 | 0.50 | Noise | -     | - | -41 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.40 | 0.60 | Noise | -     | - | -39 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.40 | 0.70 | Noise | -     | - | -38 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.40 | 0.80 | Noise | -     | - | -37 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.40 | 0.90 | Noise | -     | - | -37 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.40 | 1.00 | Noise | -     | - | -35 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.50 | 0.00 | Noise | -     | - | -44 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.50 | 0.10 | Noise | -     | - | -44 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.50 | 0.20 | Noise | -     | - | -44 | - |
|    |                | Res     | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 1.0 | 0 | 0.50 | 0.00 | Noise | -     | - | -44 | - |



[illegible]