Supplementary Table

Supplementary Table 1: Alpha diversity of the water samples.
GR is the primary reservoir sample; RC is the secondary reservoir sample when it was filled with water and C is the secondary reservoir sample after 3 days of water circulating through a skimmer and filters. Control is the water control without larvae, food nor antibiotic; With stands for the rearing water with erythromycin and “Without” for the rearing water without antibiotic.

| Sample      | OTUs number | Chao1  | ACE     | Shannon index | Inverse Simpson |
|-------------|-------------|--------|---------|----------------|-----------------|
| GR          | 426         | 648    | 621,94  | 3,43           | 9,76            |
| RC          | 542         | 741,11 | 730,99  | 3,75           | 11,13           |
| C           | 457         | 697,05 | 677,14  | 3,83           | 15,29           |
| Control D0  | 593         | 593    | 593     | 2,94           | 5,69            |
| Control D1  | 524         | 524    | 524     | 3,41           | 10,96           |
| Control D2  | 534         | 534    | 534     | 3,33           | 12,13           |
| Control D3  | 590         | 590    | 590     | 3,11           | 9,03            |
| Control D4  | 666         | 666    | 666     | 3,23           | 9,31            |
| Control D5  | 756         | 756    | 756     | 3,49           | 10,25           |
| Control D6  | 702         | 702    | 702     | 3,35           | 10,68           |
| Control D7  | 731         | 731    | 731     | 3,48           | 12,18           |
| Control D8  | 619         | 619    | 619     | 3,38           | 12,12           |
| Control D9  | 645         | 645    | 645     | 3,52           | 13,16           |
| With D1-1   | 587         | 587    | 587     | 3,65           | 14,92           |
| With D1-2   | 537         | 537    | 537     | 2,94           | 6,08            |
| With D1-3   | 590         | 590    | 590     | 3,49           | 12,57           |
| With D2-1   | 488         | 488    | 488     | 2,93           | 8,28            |
| With D2-2   | 451         | 451    | 451     | 2,75           | 6,40            |
| With D2-3   | 447         | 447    | 447     | 2,90           | 8,10            |
| With D3-1   | 607         | 877,93 | 864,29  | 2,90           | 7,74            |
| With D3-2   | 460         | 693,33 | 684,85  | 2,09           | 3,26            |
| With D3-3   | 472         | 696,64 | 683,14  | 2,95           | 8,22            |
| With D4-1   | 546         | 778,99 | 809,19  | 2,20           | 2,98            |
| With D4-2   | 429         | 596,06 | 610,99  | 1,98           | 3,23            |
| With D4-3   | 770         | 1021,73| 1008,82 | 3,29           | 10,31           |
| With D5-1   | 655         | 852,11 | 861,07  | 3,54           | 13,53           |
| With D5-2   | 573         | 804,12 | 807,44  | 2,31           | 4,19            |
|       | With D5-3 |       | With D5-2 |       | With D5-3 |       | With D5-2 |       |
|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
|       | 624       | 875,37| 879,92    | 3,38  | 11,64     |       |           |       |
| With D5-1 | 763 | 1053,42| 996,99    | 3,51  | 11,02     |       |           |       |
| With D5-2 | 671 | 905,01 | 867,61    | 3,33  | 10,60     |       |           |       |
| With D5-3 | 798 | 964,17 | 982,84    | 3,88  | 21,59     |       |           |       |
| With D6-1 | 581 | 764,00 | 775,92    | 2,36  | 4,85      |       |           |       |
| With D6-2 | 601 | 812,37 | 858,23    | 2,99  | 10,13     |       |           |       |
| With D6-3 | 616 | 809,06 | 826,49    | 2,76  | 5,01      |       |           |       |
| With D7-1 | 540 | 762,96 | 759,31    | 2,22  | 4,50      |       |           |       |
| With D7-2 | 515 | 678,04 | 699,57    | 2,68  | 7,29      |       |           |       |
| With D7-3 | 553 | 813,04 | 798,86    | 2,14  | 3,68      |       |           |       |
| With D8-1 | 431 | 654,78 | 630,76    | 1,71  | 3,02      |       |           |       |
| With D8-2 | 595 | 799,24 | 772,15    | 2,83  | 7,98      |       |           |       |
| With D8-3 | 617 | 891,34 | 849,62    | 2,49  | 4,64      |       |           |       |
| Without D1-1 | 750 | 1012,41| 1002,46   | 3,60  | 13,47     |       |           |       |
| Without D1-2 | 746 | 1001,43| 1002,19   | 3,93  | 22,88     |       |           |       |
| Without D1-3 | 818 | 1086,86| 1078,34   | 3,82  | 19,65     |       |           |       |
| Without D2-1 | 777 | 1053,47| 1064,10   | 3,04  | 6,29      |       |           |       |
| Without D2-2 | 671 | 902,89 | 927,68    | 3,10  | 6,10      |       |           |       |
| Without D2-3 | 610 | 853,14 | 838,75    | 2,90  | 6,02      |       |           |       |
| Without D3-1 | 667 | 885,68 | 872,25    | 3,59  | 13,03     |       |           |       |
| Without D3-2 | 633 | 937,94 | 894,54    | 3,56  | 12,62     |       |           |       |
| Without D3-3 | 608 | 842,94 | 869,66    | 3,49  | 12,15     |       |           |       |
| Without D4-1 | 575 | 748,00 | 749,83    | 3,28  | 8,66      |       |           |       |
| Without D4-2 | 591 | 826,69 | 861,36    | 3,19  | 8,91      |       |           |       |
| Without D4-3 | 611 | 821,00 | 837,53    | 3,40  | 10,29     |       |           |       |
| Without D5-1 | 634 | 899,31 | 955,93    | 3,36  | 7,28      |       |           |       |
| Without D5-2 | 657 | 872,10 | 897,89    | 3,23  | 7,81      |       |           |       |
| Without D5-3 | 566 | 771,38 | 812,14    | 3,42  | 10,65     |       |           |       |
| Without D6-1 | 750 | 963,13 | 987,36    | 3,66  | 14,44     |       |           |       |
| Without D6-2 | 618 | 817,16 | 828,43    | 4,09  | 24,10     |       |           |       |
| Without D6-3 | 698 | 963,62 | 922,65    | 4,15  | 22,13     |       |           |       |
| Without D7-1 | 649 | 917,21 | 905,70    | 4,03  | 25,40     |       |           |       |
| Without D7-2 | 626 | 848,08 | 821,85    | 3,65  | 17,58     |       |           |       |
| Without D7-3 | 633 | 872,20 | 878,39    | 3,44  | 13,01     |       |           |       |
| Without D8-1 | 595 | 782,63 | 819,03    | 3,75  | 15,11     |       |           |       |
| Without D8-2 | 560 | 807,92 | 819,54    | 3,74  | 15,94     |       |           |       |
| Without D8-3 | 489 | 680,94 | 712,77    | 2,99  | 5,82      |       |           |       |
| Without D9-1 | 613 | 890,17 | 873,19 | 3,30 | 7,68 |
| Without D9-2 | 542 | 790,18 | 779,90 | 3,24 | 7,33 |
| Without D9-3 | 512 | 687,07 | 695,12 | 3,01 | 6,29 |