Table S1. Parameters for determination of pesticides residues in rice by HPLC-MS/MS in ESI+ mode. Transition 1: Quantification transition; Transition 2: Confirmation transition.

| Pesticide  | Functional class            | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|------------|----------------------------|-------------|--------------------------|------------------------|--------|--------|--------|
| TPP        |                            |             | 327                      | 152                    | 106    | 47     | 10     |
| Acetamiprid| Insecticide, acaricide     | Transition 1 | 223                      | 126                    | 74     | 27     | 4      |
|            |                            | Transition 2 | 225                      | 128                    | 61     | 29     | 8      |
| Azoxytrobin| Fungicide                 | 1           | 404                      | 372                    | 46     | 21     | 10     |
|            |                            | 2           | 404                      | 344                    | 46     | 35     | 20     |
| Bixafen    | Fungicide                 | 1           | 414                      | 394                    | 76     | 21     | 24     |
|            |                            | 2           | 416                      | 396                    | 81     | 23     | 16     |
| Boscalid   | Fungicide                 | 1           | 343                      | 307                    | 76     | 29     | 18     |
|            |                            | 2           | 343                      | 140                    | 116    | 27     | 6      |
| Bupirimate | Fungicide                 | 1           | 317                      | 272                    | 61     | 27     | 22     |
|            |                            | 2           | 317                      | 108                    | 91     | 41     | 6      |
| Buprofezin | Insecticide               | 1           | 306                      | 201                    | 51     | 17     | 14     |
|            |                            | 2           | 306                      | 116                    | 56     | 23     | 20     |
| Cadusafos  | Insecticide               | 1           | 271                      | 159                    | 86     | 19     | 6.5    |
|            |                            | 2           | 271                      | 131                    | 71     | 31     | 6.5    |
| Carbaryl   | Insecticide, plant growth regulator | 1 | 202 | 145 | 86 | 17 | 16 |
|            |                            | 2           | 202                      | 127                    | 86     | 28     | 14     |
| Carbendazim| Fungicide                 | 1           | 192                      | 160                    | 51     | 25     | 10     |
|            |                            | 2           | 192                      | 105                    | 61     | 51     | 18     |
| Pesticide               | Functional class | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|------------------------|------------------|-------------|--------------------------|------------------------|--------|--------|--------|
| Carbofuran             | Insecticide      | 1           | 222                      | 165                    | 56     | 15     | 22     |
|                        |                  | 2           | 222                      | 123                    | 56     | 25     | 14     |
| Carbofuran-3-hydroxi   | Insecticide      | 1           | 238                      | 181                    | 82     | 17     | 10     |
|                        |                  | 2           | 238                      | 163                    | 82     | 21     | 10     |
| Carboxin               | Fungicide        | 1           | 236                      | 143                    | 46     | 23     | 8      |
|                        |                  | 2           | 236                      | 87                     | 46     | 35     | 14     |
| Cymoxanil              | Fungicide        | 1           | 199                      | 128                    | 46     | 13     | 8      |
|                        |                  | 2           | 199                      | 83                     | 46     | 33     | 14     |
| Cyproconazol           | Fungicide        | 1           | 292                      | 70                     | 71     | 35     | 4      |
|                        |                  | 2           | 294                      | 125                    | 16     | 35     | 14     |
| Cyprodinil             | Fungicide        | 1           | 226                      | 91                     | 81     | 49     | 16     |
|                        |                  | 2           | 226                      | 93                     | 81     | 47     | 16     |
| Clofentezine           | Insecticide, acaride | 1      | 303                      | 138                    | 56     | 21     | 20     |
|                        |                  | 2           | 303                      | 102                    | 56     | 59     | 18     |
| Chlorfenvinphos        | Insecticide      | 1           | 359                      | 99                     | 75     | 41     | 6      |
|                        |                  | 2           | 359                      | 155                    | 75     | 19     | 8      |
| Chinorantraniliprole   | Insecticide      | 1           | 484                      | 286                    | 61     | 21     | 16     |
|                        |                  | 2           | 484                      | 453                    | 61     | 23     | 6      |
| Chlorpyrifos-methyl    | Insecticide      | 1           | 324                      | 125                    | 66     | 25     | 8      |
|                        |                  | 2           | 322                      | 125                    | 66     | 29     | 6      |
| Chlorpirifos           | Insecticide      | 1           | 350                      | 97                     | 21     | 47     | 6      |
|                        |                  | 2           | 350                      | 198                    | 80     | 25     | 6      |
| Clothianidin           | Insecticide      | 1           | 250                      | 169                    | 76     | 19     | 13     |
|                        |                  | 2           | 250                      | 132                    | 94     | 19     | 13     |
| Pesticide               | Functional class | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|------------------------|------------------|-------------|--------------------------|------------------------|--------|--------|--------|
| Coumaphos              | Insecticide      | 1           | 363                      | 227                    | 84     | 37     | 12     |
|                        |                  | 2           | 363                      | 307                    | 84     | 23     | 7      |
| Demeton-S-methylsulfone| Insecticide      | 1           | 263                      | 109                    | 76     | 37     | 6      |
|                        |                  | 2           | 263                      | 169                    | 76     | 16     | 6      |
| Desmethyl-pirimicarb    | Insecticide      | 1           | 225                      | 72                     | 56     | 27     | 7      |
|                        |                  | 2           | 225                      | 168                    | 61     | 21     | 8      |
| Diazinon               | Insecticide, acaricide | 1           | 305                      | 100                    | 76     | 49     | 4      |
|                        |                  | 2           | 305                      | 97                     | 76     | 95     | 4      |
| Dichlorvos             | Insecticide, acaricide | 1           | 221                      | 109                    | 76     | 25     | 4      |
|                        |                  | 2           | 223                      | 109                    | 66     | 23     | 18     |
| Dicrotophos            | Insecticide      | 1           | 238                      | 112                    | 70     | 17     | 6      |
|                        |                  | 2           | 238                      | 193                    | 70     | 15     | 8      |
| Diethofencarb          | Fungicide        | 1           | 268                      | 124                    | 61     | 43     | 6      |
|                        |                  | 2           | 268                      | 226                    | 61     | 15     | 12     |
| Difenconazole          | Fungicide        | 1           | 406                      | 251                    | 81     | 37     | 4      |
|                        |                  | 2           | 406                      | 337                    | 41     | 23     | 13     |
| Diflubenzuron          | Insecticide      | 1           | 311                      | 158                    | 81     | 19     | 18     |
|                        |                  | 2           | 311                      | 141                    | 81     | 43     | 20     |
| Dimethoate             | Insecticide, acaricide | 1           | 230                      | 199                    | 61     | 13     | 8      |
|                        |                  | 2           | 230                      | 125                    | 61     | 29     | 6      |
| Dimethomorph           | Fungicide        | 1           | 388                      | 301                    | 51     | 45     | 10     |
|                        |                  | 2           | 388                      | 165                    | 51     | 29     | 18     |
| DMST                   | Fungicide        | 1           | 215                      | 106                    | 100    | 10     | 13     |
|                        |                  | 2           | 215                      | 151                    | 100    | 5      | 13     |
| Pesticide            | Functional class           | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|----------------------|---------------------------|-------------|--------------------------|------------------------|--------|--------|--------|
| Diniconazole        | Fungicide                 | 1           | 326                      | 159                    | 56     | 39     | 13     |
|                      |                           | 2           | 326                      | 70                     | 56     | 45     | 13     |
| EPN                  | Insecticide, acaricide    | 1           | 324                      | 296                    | 16     | 19     | 6      |
|                      |                           | 2           | 324                      | 157                    | 16     | 29     | 6      |
| Epoxiconazole       | Fungicide                 | 1           | 330                      | 101                    | 36     | 63     | 13     |
|                      |                           | 2           | 330                      | 121                    | 36     | 27     | 13     |
| Spiroxamine         | Fungicide                 | 1           | 298                      | 144                    | 41     | 27     | 10     |
|                      |                           | 2           | 298                      | 100                    | 41     | 41     | 6      |
| Ethion              | Insecticide               | 1           | 385.1                    | 97                     | 61     | 53     | 4      |
|                      |                           | 2           | 385                      | 199                    | 61     | 13     | 4      |
| Ethiofencarb        | Insecticide               | 1           | 226                      | 107                    | 51     | 23     | 18     |
|                      |                           | 2           | 226                      | 164                    | 51     | 13     | 10     |
| Ethirimol           | Fungicide                 | 1           | 210                      | 140                    | 71     | 31     | 22     |
|                      |                           | 2           | 210                      | 98                     | 66     | 37     | 18     |
| Ethoprophos         | Insecticide, nematicide   | 1           | 243                      | 97                     | 71     | 41     | 4      |
|                      |                           | 2           | 243                      | 131                    | 66     | 29     | 8      |
| Etrinphos           | Insecticide               | 1           | 293                      | 125                    | 64     | 33     | 8      |
|                      |                           | 2           | 293                      | 265                    | 61     | 21     | 10     |
| Fenamidone          | Fungicide                 | 1           | 312                      | 65                     | 81     | 71     | 4      |
|                      |                           | 2           | 312                      | 236                    | 41     | 19     | 4      |
| Fenamiphos          | Nematocide                | 1           | 304                      | 217                    | 81     | 31     | 4      |
|                      |                           | 2           | 304                      | 202                    | 81     | 47     | 4      |
| Fenamiphos sulfone  | Nematocide                | 1           | 336                      | 266                    | 81     | 29     | 13     |
|                      |                           | 2           | 336                      | 188                    | 81     | 41     | 13     |
| Pesticide                  | Functional class  | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|---------------------------|------------------|-------------|--------------------------|------------------------|--------|--------|---------|
| Fenamiphos sulfoxide      | Nematocide       | 1           | 320                      | 233                    | 86     | 35     | 12      |
|                           |                  | 2           | 320                      | 108                    | 86     | 59     | 6       |
| Fenarimol                 | Fungicide        | 1           | 331                      | 268                    | 86     | 31     | 10      |
|                           |                  | 2           | 331                      | 139                    | 96     | 49     | 14      |
| Fenpropathrin             | Acaricide, insecticide | 1   | 350                      | 97                     | 81     | 43     | 4       |
|                           |                  | 2           | 350                      | 125                    | 76     | 19     | 6       |
| Fenpropidin               | Fungicide        | 1           | 274                      | 147                    | 51     | 37     | 7       |
|                           |                  | 2           | 274                      | 117                    | 51     | 65     | 7       |
| Fenpropimorph             | Fungicide        | 1           | 304                      | 147                    | 74     | 39     | 7       |
|                           |                  | 2           | 304                      | 117                    | 11     | 71     | 6       |
| Fenezaquin                | Insecticide      | 1           | 307                      | 161                    | 51     | 31     | 13      |
|                           |                  | 2           | 307                      | 147                    | 51     | 25     | 13      |
| Fenhexamid                | Fungicide        | 1           | 302                      | 55                     | 96     | 59     | 4       |
|                           |                  | 2           | 302                      | 97                     | 91     | 35     | 6       |
| Fenitrothion              | Insecticide      | 1           | 278                      | 125                    | 71     | 31     | 6       |
|                           |                  | 2           | 278                      | 109                    | 71     | 25     | 6       |
| Fenoxy carb               | Insecticide      | 1           | 302                      | 116                    | 36     | 15     | 16      |
|                           |                  | 2           | 302                      | 88                     | 36     | 23     | 16      |
| Fenthion                  | Insecticide      | 1           | 279                      | 169                    | 56     | 25     | 14      |
|                           |                  | 2           | 279                      | 247                    | 56     | 19     | 16      |
| Fenthion oxon             | Insecticide      | 1           | 263                      | 231                    | 66     | 23     | 14      |
|                           |                  | 2           | 263                      | 216                    | 76     | 33     | 14      |
| Fenthion oxon sulfone     | Insecticide      | 1           | 295                      | 217                    | 96     | 27     | 12      |
|                           |                  | 2           | 295                      | 104                    | 96     | 35     | 6       |
| Pesticide          | Functional class       | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|-------------------|------------------------|-------------|--------------------------|------------------------|--------|--------|--------|
| Fenthion oxon sulfoxide | Insecticide            | 1           | 279                      | 264                    | 56     | 27     | 18     |
|                   |                        | 2           | 279                      | 104                    | 56     | 39     | 18     |
| Fenthion-sulfone   | Insecticide            | 1           | 311                      | 125                    | 76     | 28     | 8      |
|                   |                        | 2           | 311                      | 279                    | 76     | 27     | 16     |
| Fenthion sulfoxide | Insecticide            | 1           | 295                      | 280                    | 76     | 25     | 16     |
|                   |                        | 2           | 295                      | 109                    | 76     | 45     | 18     |
| Phenthoate         | Insecticide, acaricide | 1           | 321                      | 79                     | 36     | 51     | 6      |
|                   |                        | 2           | 321                      | 247                    | 16     | 13     | 10     |
| Flufenoxuron       | Insecticide            | 1           | 489                      | 158                    | 31     | 25     | 10     |
|                   |                        | 2           | 489                      | 141                    | 31     | 73     | 20     |
| Fluopyram          | Fungicide              | 1           | 397                      | 145                    | 81     | 79     | 8      |
|                   |                        | 2           | 397                      | 173                    | 81     | 43     | 10     |
| Fluquinconazole    | Fungicide              | 1           | 376                      | 307                    | 56     | 33     | 7      |
|                   |                        | 2           | 376                      | 349                    | 56     | 25     | 14     |
| Flusilazole        | Fungicide              | 1           | 316                      | 247                    | 76     | 27     | 14     |
|                   |                        | 2           | 316                      | 165                    | 76     | 37     | 12     |
| Flutriafol         | Fungicide              | 1           | 302                      | 123                    | 41     | 39     | 13     |
|                   |                        | 2           | 302                      | 109                    | 41     | 43     | 13     |
| Fonofos            | Insecticide            | 1           | 247                      | 109                    | 61     | 26     | 6      |
|                   |                        | 2           | 247                      | 137                    | 61     | 15     | 6      |
| Phosalone          | Insecticide            | 1           | 368                      | 182                    | 66     | 19     | 14     |
|                   |                        | 2           | 368                      | 111                    | 51     | 51     | 18     |
| Phosphamidon       | Insecticide, acaricide | 1           | 300                      | 127                    | 66     | 27     | 6      |
|                   |                        | 2           | 300                      | 227                    | 66     | 19     | 14     |
| Pesticide       | Functional class               | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|-----------------|-------------------------------|-------------|--------------------------|------------------------|--------|--------|---------|
| Phosmet         | Insecticide, acaricide        | 1           | 318.1                    | 160                    | 56     | 21     | 12      |
|                 |                               | 2           | 318.1                    | 77                     | 56     | 69     | 13      |
| Fosthiazate     | Insecticide, nematicide       | 1           | 284                      | 104                    | 11     | 27     | 6       |
|                 |                               | 2           | 284                      | 228                    | 11     | 15     | 8       |
| Phoxim          | Insecticide                   | 1           | 299                      | 77                     | 56     | 47     | 12      |
|                 |                               | 2           | 299                      | 129                    | 56     | 17     | 12      |
| Hexaconazole    | Fungicide                     | 1           | 316                      | 70                     | 81     | 23     | 14      |
|                 |                               | 2           | 314                      | 159                    | 71     | 39     | 4       |
| Hexythiazox     | Acaricide                     | 1           | 353                      | 228                    | 66     | 21     | 4       |
|                 |                               | 2           | 353                      | 168                    | 66     | 37     | 14      |
| Imazalil        | Fungicide                     | 1           | 297                      | 159                    | 56     | 31     | 14      |
|                 |                               | 2           | 299                      | 161                    | 46     | 29     | 10      |
| Imidacloprid    | Insecticide                   | 1           | 256                      | 209                    | 89     | 23     | 4       |
|                 |                               | 2           | 256                      | 175                    | 89     | 25     | 4       |
| Indoxacarb      | Insecticide                   | 1           | 528                      | 150                    | 26     | 31     | 18      |
|                 |                               | 2           | 528                      | 203                    | 96     | 51     | 7       |
| Iprodione       | Fungicide                     | 1           | 330                      | 245                    | 61     | 21     | 14      |
|                 |                               | 2           | 332                      | 247                    | 61     | 21     | 14      |
| Iprovalicarb    | Fungicide                     | 1           | 321                      | 119                    | 56     | 27     | 8       |
|                 |                               | 2           | 321                      | 186                    | 56     | 17     | 16      |
| Isoprocarb      | Insecticide                   | 1           | 194                      | 95                     | 65     | 19     | 14      |
|                 |                               | 2           | 194                      | 152                    | 65     | 11     | 20      |
| Isoprothiolane  | Fungicide                     | 1           | 291                      | 231                    | 51     | 17     | 14      |
|                 |                               | 2           | 291                      | 189                    | 51     | 31     | 12      |
| Pesticide        | Functional class | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|------------------|------------------|-------------|--------------------------|------------------------|--------|--------|--------|
| Isoproturon      | Herbicide        | 1           | 207                      | 72                     | 61     | 35     | 12     |
|                  |                  | 2           | 207                      | 165                    | 61     | 21     | 10     |
| Kresoxin-methyl  | Fungicide        | 1           | 314                      | 267                    | 75     | 5      | 13     |
|                  |                  | 2           | 314                      | 222                    | 75     | 9      | 13     |
| Linuron          | Herbicide        | 1           | 249                      | 160                    | 61     | 25     | 18     |
|                  |                  | 2           | 249                      | 182                    | 61     | 21     | 22     |
| Lufenuron        | Insecticide      | 1           | 511                      | 158                    | 79     | 27     | 4      |
|                  |                  | 2           | 511                      | 141                    | 79     | 67     | 4      |
| Malaoxon         | Insecticide      | 1           | 315                      | 99                     | 71     | 31     | 4      |
|                  |                  | 2           | 315                      | 127                    | 71     | 17     | 6      |
| Malathion        | Insecticide      | 1           | 331                      | 127                    | 64     | 17     | 4      |
|                  |                  | 2           | 331                      | 285                    | 64     | 13     | 4      |
| Mandipropamid    | Fungicide        | 1           | 412                      | 328                    | 76     | 21     | 16     |
|                  |                  | 2           | 412                      | 125                    | 76     | 55     | 8      |
| Mepanipyrim      | Bactericide, fungicide | 1    | 224                      | 106                    | 66     | 35     | 7      |
|                  |                  | 2           | 224                      | 77                     | 66     | 49     | 7      |
| Methacrifos      | Insecticide, acaricide | 1   | 241                      | 209                    | 71     | 13     | 6      |
|                  |                  | 2           | 241                      | 125                    | 61     | 27     | 6      |
| Metaflumizone    | Insecticide      | 1           | 507                      | 178                    | 86     | 35     | 10     |
|                  |                  | 2           | 507                      | 89                     | 86     | 123    | 4      |
| Metalaxyl        | Fungicide        | 1           | 280                      | 192                    | 61     | 25     | 10     |
|                  |                  | 2           | 280                      | 220                    | 61     | 21     | 12     |
| Metalaxyl-M      | Fungicide        | 1           | 280                      | 220                    | 46     | 19     | 13     |
|                  |                  | 2           | 280                      | 160                    | 46     | 31     | 13     |
| Pesticide          | Functional class | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|--------------------|------------------|-------------|--------------------------|------------------------|--------|--------|--------|
| Metazachlor        | Herbicide        | 1           | 278                      | 210                    | 41     | 15     | 4      |
|                    |                  | 2           | 278                      | 134                    | 41     | 29     | 8      |
| Metconazole        | Fungicide        | 1           | 320                      | 70                     | 76     | 45     | 7      |
|                    |                  | 2           | 320                      | 125                    | 81     | 49     | 6      |
| Methiocarb         | Insecticide      | 1           | 226                      | 169                    | 101    | 13     | 20     |
|                    |                  | 2           | 226                      | 121                    | 101    | 25     | 18     |
| Methiocarb sulfoxide| Insecticide     | 1           | 242                      | 185                    | 56     | 19     | 10     |
|                    |                  | 2           | 242                      | 122                    | 56     | 41     | 10     |
| Metobromuron       | Herbicide        | 1           | 261                      | 172                    | 76     | 25     | 6.5    |
|                    |                  | 2           | 261                      | 148                    | 76     | 21     | 4      |
| Methomyl           | Insecticide, acaricide | 1     | 163                      | 88                     | 46     | 13     | 4      |
|                    |                  | 2           | 163                      | 106                    | 46     | 15     | 18     |
| Metribuzin         | Herbicide        | 1           | 215                      | 187                    | 31     | 25     | 13     |
|                    |                  | 2           | 215                      | 84.1                   | 31     | 29     | 13     |
| Mevinfos           | Insecticide, acaricide | 1     | 225                      | 127                    | 69     | 19     | 4      |
|                    |                  | 2           | 225                      | 193                    | 69     | 13     | 4      |
| Myclobutanil       | Fungicide        | 1           | 289                      | 70                     | 61     | 37     | 12     |
|                    |                  | 2           | 289                      | 125                    | 61     | 49     | 8      |
| Monocrotophos      | Insecticide, acaricide | 1     | 224                      | 127                    | 86     | 21     | 6      |
|                    |                  | 2           | 224                      | 193                    | 86     | 13     | 14     |
| Nitenpyram         | Insecticide      | 1           | 271                      | 225                    | 79     | 15     | 4      |
|                    |                  | 2           | 271                      | 99                     | 79     | 21     | 4      |
| Omethoate          | Insecticide, acaricide | 1     | 214                      | 125                    | 51     | 29     | 8      |
|                    |                  | 2           | 214                      | 109                    | 51     | 35     | 8      |
| Pesticide               | Functional class                        | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|-------------------------|-----------------------------------------|-------------|--------------------------|------------------------|--------|--------|--------|
| Oxadixyl                | Fungicide                               | 1           | 279                      | 219                    | 66     | 15     | 4      |
|                         |                                         | 2           | 279                      | 132                    | 66     | 41     | 4      |
| Oxidemeton methyl       | Insecticide, acaricide                  | 1           | 247                      | 169                    | 71     | 19     | 6      |
|                         |                                         | 2           | 247                      | 109                    | 8      | 40     | 7      |
| Paclobutrazol           | Regulator of systemic plant growth      | 1           | 294                      | 70                     | 71     | 39     | 4      |
|                         |                                         | 2           | 294                      | 89                     | 71     | 81     | 4      |
| Paraoxon-ethyl          | Insecticide                             | 1           | 276                      | 220                    | 61     | 19     | 6      |
|                         |                                         | 2           | 276                      | 248                    | 61     | 15     | 16     |
| Paraoxon-methyl         | Insecticide                             | 1           | 248                      | 202                    | 96     | 25     | 7      |
|                         |                                         | 2           | 248                      | 90                     | 66     | 37     | 6      |
| Parathion               | Insecticide                             | 1           | 292                      | 236                    | 81     | 21     | 6.5    |
|                         |                                         | 2           | 292                      | 264                    | 81     | 15     | 13     |
| Parathion-methyl        | Insecticide                             | 1           | 264                      | 125                    | 76     | 25     | 7      |
|                         |                                         | 2           | 264                      | 109                    | 62     | 12     | 13     |
| Pencycuron              | Fungicide                               | 1           | 329                      | 125                    | 71     | 33     | 8      |
|                         |                                         | 2           | 329                      | 218                    | 71     | 23     | 14     |
| Penconazole             | Fungicide                               | 1           | 284                      | 70                     | 61     | 49     | 12     |
|                         |                                         | 2           | 284                      | 159                    | 61     | 47     | 14     |
| Pendimethalin           | Herbicide                               | 1           | 282                      | 212                    | 41     | 17     | 12     |
|                         |                                         | 2           | 282                      | 194                    | 41     | 27     | 12     |
| Pyraclostrobin          | Fungicide                               | 1           | 388                      | 194                    | 51     | 19     | 16     |
|                         |                                         | 2           | 388                      | 163                    | 51     | 35     | 14     |
| Pyrazophos              | Fungicide                               | 1           | 374                      | 222                    | 81     | 29     | 6      |
|                         |                                         | 2           | 374                      | 194                    | 11     | 43     | 7      |
| Pesticide               | Functional class                  | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|------------------------|-----------------------------------|-------------|--------------------------|------------------------|--------|--------|--------|
| Pyridaben              | Acaricide                         | 1           | 365                      | 147                    | 26     | 31     | 13     |
|                        |                                   | 2           | 365                      | 309                    | 26     | 19     | 13     |
| Pyrimethanil           | Fungicide                         | 1           | 200                      | 107                    | 71     | 35     | 8      |
|                        |                                   | 2           | 200                      | 82                     | 71     | 37     | 14     |
| Pirimicarb             | Insecticide                       | 1           | 239                      | 72                     | 51     | 37     | 12     |
|                        |                                   | 2           | 239                      | 182                    | 51     | 23     | 12     |
| Pirimiphos-ethyl       | Insecticide, acaricide            | 1           | 334                      | 198                    | 85     | 29     | 8      |
|                        |                                   | 2           | 334                      | 182                    | 85     | 31     | 8      |
| Pirimiphos-methyl      | Insecticide, acaricide            | 1           | 306                      | 108                    | 71     | 43     | 6      |
|                        |                                   | 2           | 306                      | 67                     | 71     | 65     | 6      |
| Pyriproxyfen           | Insecticide                       | 1           | 322                      | 96                     | 56     | 21     | 4      |
|                        |                                   | 2           | 322                      | 78                     | 56     | 81     | 2      |
| Prochloraz             | Fungicide, herbicide              | 1           | 376                      | 308                    | 16     | 17     | 13     |
|                        |                                   | 2           | 376                      | 266                    | 16     | 23     | 13     |
| Profenofos             | Insecticide, acaricide            | 1           | 373                      | 303                    | 115    | 17     | 13     |
|                        |                                   | 2           | 375                      | 305                    | 115    | 17     | 13     |
| Propiconazol           | Fungicide                         | 1           | 342                      | 159                    | 46     | 37     | 13     |
|                        |                                   | 2           | 342                      | 89                     | 86     | 99     | 4      |
| Propyzamide            | Herbicide                         | 1           | 256                      | 173                    | 56     | 31     | 8      |
|                        |                                   | 2           | 256                      | 190                    | 56     | 21     | 10     |
| Propoxur               | Insecticide, acaricide            | 1           | 210                      | 168                    | 58     | 11     | 24     |
|                        |                                   | 2           | 210                      | 93                     | 58     | 33     | 7      |
| Prothioconazole-desthio| Fungicide                         | 1           | 312                      | 70                     | 76     | 61     | 2      |
|                        |                                   | 2           | 312                      | 125                    | 76     | 49     | 6      |
| Pesticide          | Functional class                  | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|--------------------|-----------------------------------|-------------|--------------------------|------------------------|--------|--------|---------|
| Quinoxyfen         | Fungicide                         | 1           | 308                      | 197                    | 61     | 43     | 7       |
|                    |                                   | 2           | 308                      | 162                    | 61     | 57     | 7       |
| Rotenone           | Insecticide, acaricide            | 1           | 395                      | 213                    | 81     | 33     | 12      |
|                    |                                   | 2           | 395                      | 192                    | 91     | 31     | 12      |
| Spinosad A         | Insecticide                       | 1           | 732.5                    | 142                    | 51     | 37     | 13      |
|                    |                                   | 2           | 732.5                    | 98                     | 51     | 75     | 13      |
| Spinosad D         | Insecticide                       | 1           | 746.5                    | 142                    | 66     | 39     | 13      |
|                    |                                   | 2           | 746.5                    | 98                     | 66     | 79     | 13      |
| Tebuconazol        | Fungicide                         | 1           | 308                      | 70                     | 21     | 39     | 13      |
|                    |                                   | 2           | 308                      | 125                    | 21     | 47     | 13      |
| Tebufenpyrad       | Acaricide                         | 1           | 334                      | 117                    | 86     | 57     | 6       |
|                    |                                   | 2           | 334                      | 145                    | 86     | 38     | 8       |
| Terbuthylazine     | Herbicide                         | 1           | 232                      | 176                    | 81     | 25     | 7       |
|                    |                                   | 2           | 230                      | 104                    | 81     | 45     | 6       |
| Teflubenzuron      | Insecticide                       | 1           | 381                      | 141                    | 86     | 53     | 9       |
|                    |                                   | 2           | 381                      | 158                    | 86     | 23     | 4       |
| Tetraconazole      | Fungicide                         | 1           | 372                      | 159                    | 81     | 39     | 14      |
|                    |                                   | 2           | 374                      | 161                    | 76     | 35     | 14      |
| Tetramethrin       | Insecticide                       | 1           | 332                      | 164                    | 71     | 35     | 10      |
|                    |                                   | 2           | 332                      | 135                    | 71     | 25     | 8       |
| Thiabendazole      | Fungicide                         | 1           | 202                      | 175                    | 79     | 35     | 4       |
|                    |                                   | 2           | 202                      | 131                    | 81     | 47     | 10      |
| Thiacloprid        | Insecticide, moluscicide          | 1           | 253                      | 126                    | 99     | 29     | 4       |
|                    |                                   | 2           | 255                      | 128                    | 76     | 31     | 6       |
| Pesticide          | Functional class          | Transitions | Precursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|--------------------|---------------------------|-------------|--------------------------|------------------------|--------|--------|--------|
| Thiamethoxam       | Insecticide               | 1           | 292                      | 211                    | 74     | 17     | 7      |
|                    |                           | 2           | 292                      | 181                    | 96     | 31     | 7      |
| Thiodicarb         | Insecticide               | 1           | 355                      | 88                     | 31     | 19     | 12     |
|                    |                           | 2           | 355                      | 108                    | 61     | 21     | 20     |
| Thiophanate-methyl | Fungicide                 | 1           | 343                      | 151                    | 76     | 23     | 14     |
|                    |                           | 2           | 343                      | 93                     | 81     | 71     | 6      |
| Tolclofos-methyl   | Fungicide                 | 1           | 301                      | 175                    | 66     | 37     | 14     |
|                    |                           | 2           | 303                      | 225                    | 61     | 19     | 12     |
| Triadimefon        | Fungicide                 | 1           | 294                      | 225                    | 61     | 19     | 14     |
|                    |                           | 2           | 296                      | 199                    | 36     | 21     | 12     |
| Triadimenol        | Insecticide, fungicide    | 1           | 296                      | 70                     | 41     | 37     | 12     |
|                    |                           | 2           | 296                      | 227                    | 11     | 15     | 13     |
| Triazophos         | Insecticide, acaricide,   | 1           | 314                      | 119                    | 76     | 47     | 6      |
|                    | nematicide                | 2           | 314                      | 286                    | 76     | 10     | 24     |
| Trifloxystrobin    | Fungicide                 | 1           | 409                      | 186                    | 59     | 23     | 7      |
|                    |                           | 2           | 409                      | 145                    | 116    | 63     | 8      |
| Triflumuron        | Insecticide               | 1           | 359                      | 156                    | 21     | 21     | 18     |
|                    |                           | 2           | 359                      | 139                    | 21     | 45     | 18     |
| Tricyclazole       | Fungicide                 | 1           | 190                      | 163                    | 89     | 31     | 7      |
|                    |                           | 2           | 190                      | 136                    | 91     | 36     | 7      |
| Zoxamide           | Fungicide                 | 1           | 336                      | 187                    | 46     | 31     | 24     |
|                    |                           | 2           | 336                      | 159                    | 46     | 55     | 20     |

DP- Declustering potential (V); CE- Collision energy (V); CXP- Collision cell exist potential (V); DMST- N,N-dimethyl-N’-p-tolysulphamid; EPN- O-ethyl O-4-nitrophenyl phosphonothiate
Table S2. Parameters for determination of pesticides residues in rice by HPLC-MS/MS in ESI- mode. Transition 1: Quantification transition; Transition 2: Confirmation transition.

| Pesticide     | Functional class | Transitions | Percursor ion (m/z ±0.5) | Product ion (m/z ±0.5) | DP (V) | CE (V) | CXP (V) |
|---------------|------------------|-------------|--------------------------|------------------------|--------|--------|---------|
| DNC           |                  |             | 301                      | 137                    | -120   | -16    | -15     |
| Fludioxonil   | Fungicide        | Transition 1| 247                      | 180                    | -65    | -40    | -9      |
|               |                  | Transition 2| 247                      | 126                    | -65    | -42    | -7      |
| Fipronil      | Insecticide      | 1           | 435                      | 330                    | -60    | -20    | -4      |
|               |                  | 2           | 437                      | 332                    | -60    | -20    | -4      |
| Methoxyfenozide| Insecticide     | 1           | 367                      | 149                    | -142   | -17    | -16     |
|               |                  | 2           | 367                      | 105                    | -142   | -29    | -16     |

DP- Declustering potential (V); CE- Collision energy (V); CXP- Collision cell exist potential (V)