**Table S2: New allelic combinations unknown from pubMLST database**

| **Sample** | **Host** | ***adk*** | ***fumC*** | ***gyrB*** | ***icd*** | ***mdh*** | ***purA*** | ***recA*** | **ST** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| BV23-redeposit | Cattle | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| BV6 | Cattle | 6 | 11 | 4 | 8 | 8 | 9 | 2 | **unknown** |
| CH10 | Dog | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| CH19 | Dog | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| CH21 | Dog | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| CH74 | Dog | 8 | 7 | 1 | 8 | 504 | 8 | 6 | 12780 |
| CN14 | Duck | 6 | 4 | 32 | 16 | 24 | 8 | 14 | **unknown** |
| CN56 | Duck | 8 | 7 | 1 | 8 | 504 | 8 | 6 | 12780 |
| CN59 | Duck | 8 | 7 | 1 | 8 | 504 | 8 | 6 | 12780 |
| CN65 | Duck | 10 | 929 | 4 | 8 | 8 | 18 | 2 | 12818 |
| CN84 | Duck | 743 | 4 | 14 | 16 | 24 | 8 | 14 | **unknown** |
| CN89 | Duck | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| CT32 | Cat | 6 | 11 | 542 | 732 | 8 | 8 | 2 | **unknown** |
| CV8 | Horse | 100 | 23 | 7 | 45 | 7 | 3 | 2 | **unknown** |
| DI1 | Turkey | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| DI9 | Turkey | 10 | 4 | 4 | 8 | 8 | 2 | 2 | **unknown** |
| E37 | Water | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| E52 | Water | 849 | 4 | 14 | 16 | 24 | 8 | 14 | **unknown** |
| E97 | Water | 222 | 11 | 5 | 8 | 6 | 8 | 2 | **unknown** |
| H104 | Human | 743 | 4 | 14 | 16 | 24 | 8 | 14 | **unknown** |
| H196 | Human | 943 | 11 | 4 | 8 | 8 | 8 | 7 | 13247 |
| H242 | Human | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| H283 | Human | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| H66 | Human | 743 | 4 | 14 | 16 | 24 | 8 | 14 | **unknown** |
| H78 | Human | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| OI14 | Goose | 57 | 11 | 1 | 109 | 7 | 8 | 67 | **unknown** |
| OI31 | Goose | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| OI32 | Goose | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| OI37 | Goose | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| OI44 | Goose | 84 | 7 | 109 | 8 | 8 | 8 | 2 | **unknown** |
| PC19 | Pig | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PC20 | Pig | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PC22 | Pig | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PC27 | Pig | 8 | 7 | 1 | 8 | 504 | 8 | 6 | 12780 |
| PC29 | Pig | 8 | 7 | 1 | 8 | 504 | 8 | 6 | 12780 |
| PC30-redeposit | Pig | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PC47 | Pig | 10 | 929 | 4 | 8 | 8 | 18 | 2 | 12818 |
| PC51 | Pig | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PC76 | Pig | 743 | 4 | 14 | 16 | 24 | 8 | 14 | **unknown** |
| PC77 | Pig | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PC84 | Pig | 6 | 11 | 4 | 1 | 8 | 8 | 133 | **unknown** |
| PC98 | Pig | 8 | 7 | 1 | 8 | 8 | 84 | 6 | **unknown** |
| PG115 | Poultry | 6 | 29 | 5 | 18 | 11 | 2 | 2 | **unknown** |
| PG136 | Poultry | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PG137 | Poultry | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PG195 | Poultry | 10 | 27 | 4 | 463 | 12 | 8 | 2 | **unknown** |
| PG199 | Poultry | 6 | 19 | 3 | 10 | 11 | 8 | 6 | **unknown** |
| PG308 | Poultry | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PG321 | Poultry | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PG324 | Poultry | 943 | 11 | 4 | 8 | 8 | 8 | 7 | 13247 |
| PG364 | Poultry | 83 | 23 | 347 | 8 | 1 | 1 | 2 | **unknown** |
| PG366 | Poultry | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PG40 | Poultry | 8 | 7 | 347 | 8 | 8 | 8 | 2 | **unknown** |
| PG83 | Poultry | 112 | 11 | 5 | 12 | 766 | 8 | 188 | **unknown** |
| PH7 | Poultry | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |
| PP12 | Poultry | 6 | 4 | 14 | 16 | 24 | 719 | 14 | 12821 |