

Table S3. SerD patients included in our phylogenetic analysis

| Patients | Collection Date | Age (years) | Genotype | GenBank Acc.Number |
|-----------------|------------------------|--------------------|-----------------|-------------------------------|
| INMI_10_GIAANT | 03/05/2018 | 57 | 3a | MW927598 |
| INMI_107_DELGIO | 04/07/2019 | 46 | 3a | MW927596 |
| INMI_109_LUCATT | 10/04/2019 | 62 | 1a | MW927597 |
| INMI_11_MALLAU | 03/05/2018 | 60 | 1a | MW927600 |
| INMI_114_FUBSAN | 13/04/2019 | 55 | 2 | MW927599 |
| INMI_120_GILENZ | 21/03/2019 | 63 | 2 | MW927601 |
| INMI_13_CELSIL | 12/11/2018 | 37 | 1a | MW927605 |
| INMI_132_CAPALB | 04/06/2019 | 55 | 1a | MW927602 |
| INMI_133_CAREMA | 13/04/2019 | 51 | 3a | MW927603 |
| INMI_136_DIGGAB | 20/03/2019 | 48 | 1a | MW927604 |
| INMI_140_SILARM | 29/04/2019 | 55 | 1a | MW927606 |
| INMI_148_MEZSIM | 11/03/2019 | 33 | 1a | MW927607 |
| INMI_152_BARMAS | 30/04/2019 | 66 | 3a | MW927608 |
| INMI_153_BRAPIE | 21/01/2020 | 51 | 1a | MW927609 |
| INMI_154_CAPALF | 22/05/2019 | 51 | 4 | MW927610 |
| INMI_159_PAGLUC | 12/06/2019 | 53 | 1a | MW927611 |
| INMI_162_URBALE | 17/04/2019 | 49 | 3a | MW927612 |
| INMI_170_MONFAB | 10/04/2019 | 56 | 1a | MW927613 |
| INMI_173_STOGIA | 15/05/2019 | 54 | 1a | MW927614 |
| INMI_178_BINAND | 13/05/2019 | 59 | 3a | MW927615 |
| INMI_180_GENFED | 04/06/2019 | 40 | 3a | MW927616 |
| INMI_182_PASGER | 15/07/2019 | 47 | 3a | MW927617 |
| INMI_188_SABBRU | 02/04/2019 | 30 | 1a | MW927618 |
| INMI_189_SANGIO | 11/04/2019 | 40 | 1a | MW927619 |
| INMI_192_TRIDAV | 13/05/2019 | 52 | 1a | MW927620 |
| INMI_2_BONUMB | 05/04/2018 | 50 | 1a | MW927636 |
| INMI_207_OTTGIA | 08/07/2019 | 46 | 1a | MW927621 |
| INMI_212_CIPRIT | 03/07/2019 | 51 | 4 | MW927622 |
| INMI_213_DEPMAR | 07/05/2019 | 56 | 4 | MW927623 |
| INMI_223_DISGIO | 31/05/2019 | 54 | 3a | MW927624 |
| INMI_226_BARVIR | 30/07/2019 | 53 | 1b | MW927625 |
| INMI_23_MURMAU | 26/06/2018 | 60 | 1a | MW927631 |
| INMI_231_BUSGIA | 15/07/2019 | 45 | 3a | MW927626 |
| INMI_232_CARMAR | 12/06/2019 | 53 | 3a | MW927627 |
| INMI_234_MARSTE | 12/06/2019 | 56 | 1a | MW927628 |
| INMI_237_DECFAB | 03/08/2019 | 53 | 3a | MW927629 |
| INMI_238_SGRENZ | 12/06/2019 | 65 | 2 | MW927630 |
| INMI_255_CUGROB | 22/05/2019 | 50 | 4 | MW927632 |
| INMI_261_FALBRU | 30/05/2019 | 60 | 1b | MW927633 |
| INMI_262_MIOFAB | 15/07/2019 | 50 | 1a | MW927634 |
| INMI_266_ANGSER | 12/06/2019 | 54 | 3a | MW927635 |

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|-------------------|------------|----|----|----------|
| INMI_31_GALMAS | 25/08/2018 | 45 | 1a | MW927638 |
| INMI_313_LENMAR | 06/11/2019 | 47 | 3a | MW927637 |
| INMI_322_PICROC | 24/09/2019 | 60 | 3a | MW927639 |
| INMI_337_LIGFRA | 18/09/2019 | 50 | 1a | MW927640 |
| INMI_35_VENMAR | 29/08/2018 | 45 | 1a | MW927642 |
| INMI_357_CASMAS | 14/10/2019 | 51 | 4o | MW927641 |
| INMI_36_BREALE | 31/10/2018 | 42 | 3a | MW927644 |
| INMI_365_BARCAR | 06/11/2019 | 54 | 3a | MW927643 |
| INMI_37_SINLUC | 27/08/2018 | 45 | 3a | MW927645 |
| INMI_38_CECSTE | 04/06/2019 | 67 | 1a | MW927647 |
| INMI_386_GESLAU | 15/01/2020 | 45 | 3a | MW927646 |
| INMI_395_PICPAO | 04/12/2019 | 54 | 4 | MW927648 |
| INMI_411_DEVGIU | 05/12/2019 | 44 | 1a | MW927649 |
| INMI_419_ADAALE | 10/12/2019 | 53 | 1a | MW927650 |
| INMI_420_BRURIC | 15/01/2020 | 41 | 3a | MW927651 |
| INMI_47_AMUASI | 31/10/2018 | 24 | 3a | MW927652 |
| INMI_48_FELEMI | 06/02/2019 | 33 | 3a | MW927653 |
| INMI_49_VENRENGIU | 08/11/2018 | 57 | 1b | MW927654 |
| INMI_52_CARIDO | 07/11/2018 | 47 | 1a | MW927655 |
| INMI_55_FINALI | 23/01/2019 | 27 | 1a | MW927656 |
| INMI_61_DERALE | 29/12/2018 | 52 | 1a | MW927657 |
| INMI_74_ASTALE | 27/02/2019 | 36 | 1a | MW927658 |
| INMI_83_COMENR | 15/05/2019 | 55 | 1a | MW927659 |
| INMI_88_SCACAR | 29/04/2019 | 50 | 3a | MW927660 |
| INMI_90_DIGEMI | 20/02/2019 | 55 | 1a | MW927661 |
