## Table S1. Parishes included in the birth cohort centenarian hotspot.

| Cluster   | Parishes included                                                                 |
|-----------|-----------------------------------------------------------------------------------|
| Primary   | Arninge, Avned, Bjerreby, Branderslev, Bregninge, Bregninge, Brudager, Bøstrup,   |
|           | Dannemare, Drefø, Egense, Ellested, Fodslette, Frorup, Fuglsbølle, Gislev, Græshave,|
|           | Gudbjerg, Gudme, Gurreby, Halsted, Hesselager, Horslunde, Hov, Humble, Hundstrup,   |
|           | Kappel, Kirkeby, Krarup, Kværndrup, Købelev, Landet, Langå, Lindelse, Longelve, Lunde,|
|           | Magleby, Marstal, Nakskov, Nordlunde, Ollerup, Omø, Oure, Rise, Rudkøbing, Sandby, |
|           | Sankt Jergens, Sankt Nikolaj, Simmerbolle, Skovlænge, Skrøbelev, Skårup, Snøde,   |
|           | Stenstrup, Stoense, Stormark, Strynø, Svindinge, Sørup, Thuro, Tillitse, Tranderup,  |
|           | Tranekaer, Tryggelev, Tullebolle, Tved, Ulbølle, Utterslev, Vejstrup, Vestenskov, Vester |
|           | Skerninge, Vester Åby, Vesterborg, Vindeby, Vor Frue, Ørskøbing, Øksendrup, Ørbæk,  |
|           | Øster Skerninge, Åstrup                                                            |

## Table S2. Parishes included in the primary and secondary residence-based centenarian hotspots.

| Cluster     | Parishes included                                                                 |
|-------------|-----------------------------------------------------------------------------------|
| Primary     | Bagsværd, Birkerød, Bistrup, Blovstrød, Buddinge, Christians, Dyssegard, Gammel Holte,|
|             | Gentofte, Hellerup, Helleruplund, Hørsholm, Jægersborg, Karlebo, Kongens Lyngby,    |
|             | Lundtofte, Maglegårds, Ny Holte, Nærum, Ordrup, Rungsted, Skovshoved, Sorgenfr, Stengård,|
|             | Soborggård, Søllerød, Tårbaek, Vangede, Vedbaek, Virum                            |
| Secondary   | Armorg, Assing, Aulum, Blåhøj, Bording, Brejning, Bryrup, Bolling, Egvad, Ejstrup,  |
|             | Engesvang, Faster, Filskov, Fredens, Funder, Gadbjerg, Give, Givskud, Gjellerup, Grene,|
|             | Grindsted, Grove, Græstrup, Hammer, Hanning, Havnstrup, Hedeager, Herborg, Herning,|
|             | Hoven, Hvejsel, Ikast, Ilskov, Karup, Klovborg, Kraglund, Lindeballe, Linerup, Nørre Snede,|
|             | Nørre Vium, Novling, Oddum, Rind, Ringive, Sankt Johannes, Simmelsæ, Sinding, Skarrild,|
|             | Skjern, Snebjerg, Stugsgård, Sunds, Sædding, Sønder Borris, Sønder Felding, Sønder Omme,|
|             | Them, Thorning, Thyregod, Timring, Tjørring, Tyrning, Tørring, Vester, Videbæk, Vildbjerg,|
|             | Vorgod, Vrads, Ølgod, Ørre, Øster Nykirke                                         |

## Table S3. Mortality rate ratios comparing the birth cohort centenarian hotspot to the rest of Denmark, for the cohorts born 1906-15, 1916-25 and 1926-35.

| Birth year | Mortality rate ratio (95 % CI) | Mortality rate ratio (95 % CI) | Mortality rate ratio (95 % CI) |
|------------|---------------------------------|---------------------------------|---------------------------------|
| 1906-1915  |                                 |                                 |                                 |
| Population age 71, n | 362,064 (95 % CI) | 367,269 (95 % CI) | 339,258 (95 % CI) |
| Born in hotspot, n | 12,472 (95 % CI) | 12,365 (95 % CI) | 10,559 (95 % CI) |
| Age 71-75  | 0.98 (0.94 - 1.02) | 0.94 (0.90 - 0.98) | 1.00 (0.95 - 1.05) |
| Age 76-80  | 0.98 (0.95 - 1.02) | 0.91 (0.88 - 0.95) | 0.98 (0.93 - 1.02) |
| Age 81-85  | 0.94 (0.90 - 0.97) | 0.94 (0.91 - 0.98) |                                 |
| Age 86-90  | 0.95 (0.91 - 0.98) | 0.94 (0.90 - 0.98) |                                 |
| Age 90-95  | 0.92 (0.87 - 0.97) |                                 |                                 |
| Age 96-100 | 0.91 (0.84 - 0.99) |                                 |                                 |
Table S4. Hotspot by place of birth, when excluding and including observations coded with municipality of birth.

|                                  | Population | Centenarians, N (%) | Expected number of centenarians, N | Ratio, expected /observed |
|----------------------------------|------------|---------------------|-----------------------------------|---------------------------|
| **Excluding observations with only municipality of birth recorded** |            |                     |                                   |                           |
| Birth hotspot                    | 12,472     | 222 (1.8)           | 161.9                             | 1.37                      |
| Rest of Denmark                  | 349,592    | 4,517 (1.3)         | 4,577.1                           | 0.99                      |
| **Including observations with only municipality of birth recorded** |            |                     |                                   |                           |
| Birth hotspot                    | 13,590.7   | 240 (1.8)           | 180.5                             | 1.33                      |
| Rest of Denmark                  | 390,909.3  | 5,165 (1.3)         | 5,224.5                           | 0.99                      |
| Those with only municipality recorded | 42,436     | 666 (1.6)           | 580.9                             | 1.15                      |