

Supplementary Table S1. Summary of published records, bottom biocenosis, habitat, and depth of *Rissoides pallidus* within the Mediterranean Basin.

| GSA | Med. basin | Locality | Coordinates | Date | Bottom | Depth (m) | N | CL (mm) | TL (mm) | Reference |
|-----|------------|---------------------------------|-----------------|-----------|--|-----------|------------|------------------|--------------------|-----------|
| 1 | Western | - | | | | | | | | |
| 1 | Western | Gulf of Vera | | | | | | | | |
| 5 | Western | Eivissa Island | | | | | | | | |
| 6 | Western | Off Alacant | - | 1994-1999 | - | 117-523 | 21 | - | - | [33] |
| 6 | Western | Off Valencia | | | | | | | | |
| 6 | Western | Ebro delta | | | | | | | | |
| 6 | Western | North Catalonia | | | | | | | | |
| 6 | Western | Cabo de Creus | 41°33'N 03°17'E | 1977 | - | 290-300 | 3♂ | 13 - 15 | | [29] |
| | | Cabo de La Nao | | | | | | | | |
| 6 | Western | Vilanova, Catalonia | 41°5'N 1°45'E | 1991 | terrigenous mud | 110-247 | 1♂ | 7 | 35 | [33] |
| 6 | Western | Blanes, Catalonia | 41°35'N 2°48'E | 1991 | terrigenous mud | 110-113 | 1♂ | 14 | 65 | |
| | | | | | | | | | 50 | |
| 9 | Western | Off Punta Mesco | - | 1975 | - | 435-500 | 1♀ | - | 52 | [31] |
| | | | | | | | | | | |
| 9 | Western | Off Giglio Island | - | 1985 | - | 307 | 1♂ | - | 62 - 68 | [31] |
| | | | | | | | | | | |
| 9 | Western | South of Elba Island | - | 1985 | - | 245 | 1♀ | - | 61 | [31] |
| | | | | | | | | | | |
| 9 | Western | Off Elba Island | - | 1985-1986 | bathyal mud detritic biocoenoses | 190-335 | 6♂ 7♀ | - | - | [30] |
| | | | | | | | | | | |
| 9 | Western | Off Anzio | 41°11'N 12°39'E | 1987 | - | 275 | 1♀ | - | 68 | [31] |
| | | | 41°08'N 12°45'E | 1987 | - | 340 | 1♀ | - | 70 | [31] |
| 9 | Western | West of Giglio Island | | 1989 | - | 200 | 2♀ | - | - | [43] |
| 9 | Western | East of Giglio Island | | 1991 | - | 500 | 1♂ | - | - | [43] |
| | | | | | | | | | | |
| 9 | Western | Off Chiavari, Capo Mele | | 1991-1994 | bathyal mud | | 5♂ 5♀ | - - | 46 - 61 45 - 55 | [27] |
| | | | | | | | | | | |
| 9 | Western | Off Livorno | | 1994 | - | - | 1♀ | - | - | [43] |
| | | | | | | | | | | |
| 9 | Western | Tuscany Archipelago | - | 1994-1996 | - | 250-550 | 75♂ 84♀ | 8 - 16 8 - 15 | 36 - 68 35 - 66 | [41] |
| | | | | | | | | | | |
| 9 | Western | Tuscany and Latium coasts | - | 1994-1997 | - | - | - | - | - | [35] |
| | | | | | | | | | | |
| 9 | Western | Giglio, Montecristo, Pianosa | - | 1995-1999 | - | 300-650 | - | - | - | [38] |
| | | | | | | | | | | |
| 9 | Western | Western coasts of Italy | - | 1997-2001 | detritic organogenic sediments | 10-700 | - | - | - | [39] |

| | | | | | | | | | | |
|------|---------|--------------------------|-----------------|-----------|---|---------|----------|----|--------------------|------------------|
| 10 | Western | Gulf of Naples | - | - | - | 110 | - | - | - | [25] |
| 10 | Western | Gulf of Patti | - | 1970 | - | 500 | 1♂ 1♀ | - | 57 - 67 | [28] |
| 10 | Western | Gulf of Napoli | 40°46'N 14°12'E | 1986 | - | 218 | 3♂ | - | 70 - 73 | [31] |
| 10 | Western | Gulf of Salerno | 40°28'N 14°42'E | 1986 | - | 264-277 | 1♀ | - | 61 | [31] |
| 10 | Western | Off Capo Bonifati | 39°36'N 15°40'E | 1986 | - | 370-403 | 4♀ | - | 57 - 68 | [31] |
| 10 | Western | SW of Gaeta | 41°02'N 13°22'E | 1987 | - | 325 | 3♂ | - | 70 - 76 | [31] |
| 11.2 | Western | Gulf of Cagliari | 38°53'N 9°20'E | 1985 | - | 650-720 | 1♀ | - | 66 | [31] |
| | | | 39°01'N 9°17'E | 1986 | - | 580-610 | 1♀ | - | 58 | [31] |
| 11.2 | Western | - | - | 1992 | - | 100-388 | - | - | 46-76 | [32] |
| 11.2 | Western | Off Cagliari | - | 1992 | - | - | 1♂ | - | - | [43] |
| 12 | Central | North of Sentinelle Bank | 38°05'N 9°35'E | 1985 | - | 450-600 | 1♂ | - | 65 | [31] |
| 15 | Central | Off Malta | 35°32'N 15°17'E | 1986 | - | 263 | 3♂ | - | 55 - 65 | [31] |
| 16 | Central | Graham Bank | 37°05'N 13°00'E | 1990 | soft muds with fluid surface film | 302-337 | 1♂ | - | 54 | [31] |
| | | | 37°51'N 12°40'E | 2020 | coastal detritus | 152 | 1♀ | 10 | 48 | Present Study |
| 16 | Central | Gigibau Bank | 37°49'N 12°44'E | 2020 | coastal terrigenous | 132 | 1♀ | 8 | 33 | |
| 17 | Central | Incoronata Island | 43°22'N 15°00'E | 1969 | - | 125 | 1♂ | - | 66 | [28] |
| | | | 43°15'N 15°00'E | 1969 | - | 115-132 | 1♀ | - | 56 | [28] |
| | Central | NW of Pomo | 43°22'N 15°00'E | 1969 | - | 115-125 | 1♀ | - | 66 | [28] |
| | | | 43°28'N 15°10'E | 1975 | - | 200 | 3♂ 1♀ | - | 60 - 63 | [28] |
| | Central | West of Pomo | 43°05'N 15°05'E | 1970 | epibathial muds | 220 | 1♂ | - | 47 | [28] |
| | | | 43°05'N 15°05'E | 1977 | - | - | 2♀ | - | 62 - 64 | [28] |
| | | | 42°50'N 14°50'E | 1978 | - | 220 | 1♀ | - | 61 | [31] |
| | | | 42°59'N 14°29'E | 1978 | - | 120 | 3♂ 5♀ | - | 64 - 70 65 - 75 | [31] |
| | Central | SW of Lucietta | 43°28'N 15°14'E | 1973 | coarse sands | 133 | 3♀ | - | 52 - 68 | [28] |
| | Central | NW of Isole Tremiti | 42°11'N 15°18'E | 1973 | muddy sands | 104 | 1♀ | - | 65 | [28] |
| | Central | SE of Lagosta | 42°29'N 17°11'E | 1973 | muddy sands | 285 | 1♂ 1♀ | - | 52 | [28] |
| | Central | Off Gargano | 42°09'N 16°10'E | 1985 | - | 114-120 | 1♀ | - | 46 | [31] |
| 18 | Central | - | - | 1996-2000 | - | 16-588 | - | - | - | [41] |
| 19 | Central | - | - | 2003 | - | - | - | - | - | [36] |

| | | | | | | | | | | |
|----|---------|-----------------|-----------------|------|------------|-------|----|---------|---------|------|
| 22 | Eastern | Datca Peninsula | - | 1992 | mud | 280 | 1♀ | - | 56 | [34] |
| 22 | Eastern | Prassonisi | - | 1997 | - | 63-85 | - | - | - | [37] |
| 22 | Eastern | Sığacık Bay | - | 2008 | mud | 550 | 3♀ | 11 - 12 | 48 - 52 | [42] |
| 23 | Eastern | Iraklion Bay | - | - | silty clay | 190 | 1♀ | - | 32 | [17] |
| 23 | Eastern | Georgioupolis | - | 1991 | - | 105 | 1♂ | - | 38 | |
| 25 | Eastern | Off Cyprus | - | 1969 | - | - | - | - | - | [26] |
| 26 | Eastern | Bardawil lagoon | - | 1969 | - | 91.5 | 1♀ | - | 47 | [18] |
| 27 | Eastern | Palmahim | 31°56'N 34°34'E | 1977 | mud | 80 | 1♂ | - | 45 | [18] |

GSA, Geographical Sub-Area: 1: Northern Alboran Sea; 5: Balearic Island; 6: Northern Spain; 9: Ligurian Sea and northern Tyrrhenian Sea; 10: Southern and central Tyrrhenian Sea; 11.2: Eastern Sardinia; 12: Northern Tunisia; 15: Malta; 16: Southern Sicily; 18: Southern Adriatic Sea; 19: Western Ionian Sea; 22: Aegean Sea; 23: Crete; 25: Cyprus; 26: Southern Levant Sea; 27: Eastern Levant Sea; **Med. Basin:** Mediterranean basin; **CL:** carapace length; **TL:** total length