**Key to *Melonanchora***

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| 1. With styles as choanosomal megascleres | 2 |
| 2. With strongyles as choanosomal megascleres | 4 |
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| 2. Chelae with reduced alae | *Melonanchora maeli* |
| 3. Chelae without reduced alae | 3 |
| 3. With elliptical spherancorae and chelae with protruding alae | *Melolonanchora elliptica* |
| 4. With somewhat irregularly oval spherancorae and chelae with straight alae | *Melonanchora insulsa* |
| 4. With two clearly differentiated megascleres categories between the ectosome and the choanosome | *Melonanchora tumultuosa* |
| 5. With just a single megasclere category  | 5 |
| 5. Spherancorae smaller or equal in size than the biggest chelae category | *Melonanchora emphysema* |
| 6. With a third category of chelae, with reduced teeth and slightly unequal ends | *Melonanchora intermedia* |