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*Watsonella crosbyi* from the lower Cambrian (Terreneuvian, Stage 2) Mount Terrible Formation in South Australia

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Supplementary Material

**Table 1. Global occurrences of *Watsonella crosbyi* Grabau, 1900.**

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| --- | --- | --- | --- | --- | --- |
| **Palaeo-continents** | **Country** | **Geology and Stratigraphy** | **Time interval** | **Biozone(s)** | **Source** |
| **South China** | China | Maidiping Formation, Maidiping and Gaoqiao, Emei County, Sichuan Province | Meishucunian | *Watsonella crosbyi Assemblage Zone* (Zone III) | Xing *et al*. 1984; Yu, 1987; Steiner *et al*. 2007; Yang, 2014 |
|  |   | Maidiping Formation, Hongzhai and Bangou, Ganlu County, Sichuan Province | Meishucunian | *Watsonella crosbyi* Assemblage Zone | Yu, 1987 |
|  |   | Dahai Member, Zhujiaqing Formation, Dahai, Zhujiaqing and Jiashewan, Huize County, Yunnan Province | Meishucunian | *Watsonella crosbyi* Assemblage Zone | Luo *et al*. 1982, 1984; Yu, 1987; Qian, 1989; Qian *et al*. 1996; Li *et al*. 2011 |
|  |   | Dahai Member, Zhujiaqing Formation, Xiaotan, Yongshan County, Yunnan Province | Meishucunian | *Watsonella crosbyi Assemblage Zone* (Zone III) | Qian, 1989; Li & Xiao, 2004; Steiner *et al*. 2007; Li *et al*. 2011; Yang, 2014 |
|  |   | Dahai Member, Zhujiaqing Formation, Xianfeng and Baizai, Xundian County, Yunnan Province | Meishucunian | *Watsonella crosbyi* Assemblage Zone | Yu, 1987; Yang, 2014 |
|  |   | Dahai Member, Zhujiaqing Formation, Laolin and Lishuping, Huize County, Yunnan Province | Meishucunian | *Watsonella crosbyi* Assemblage Zone (Zone III) | Yang, 2014 |
|  |   | Dahai Member, Zhujiaqing Formation, Yulu, Huize County, Yunnan Province | Meishucunian | *Watsonella crosbyi* Assemblage Zone | Feng & Sun, 2003 |
|  |   | Meishucun Formation, Meishucun, Jinning County, Yunnan Province | Meishucunian | *Watsonella crosbyi* Assemblage Zone | He & Yang, 1982 |
|  |   | Upper Maidiping Formation, Yangjiadun, Eastern part of the Yangtze Gorge, Yichang County, Hubei Province  | Meishucunian | *Watsonella crosbyi* Assemblage Zone | Qian *et al*. 1979 |
|  |   | Huangshandong Member, Tongying Formation, Huangshandong, Yichang County, Hubei Province | Meishucunian | *Watsonella crosbyi* Assemblage Zone | Yu, 1987; Qian, 1989; Li *et al*. 2011; Yu, 2014 |
|  |   | Huangshandong Member, Tongying Formation, Tianzhushan, Yichang County, Hubei Province | Meishucunian | *Watsonella crosbyi* Assemblage Zone | Yu, 1987, 2014 |
| **Avalonia** | USA | Red limestone boulders, Weymouth Formation, Sandy Cove and Pleasant Beach, Cohasset, Massachusetts | Begadean | *Sunnaginia imbricata* - *Camenella baltica* Zone | Shaler & Foerste, 1888; Grabau, 1900; Pojeta & Runnegar, 1976; Landing, 1989 |
|  |   | Lower Member, Weymouth Formation, Hoppin Reservoir, North Attleboro area, Massachusetts | Begadean | *Watsonella crosbyi* Zone | Landing, 1988 |
|  | New-foundland | Chapel Island Formation to ?Fosters Point Formation, Southeastern Newfoundland | Upper Placentian | *Watsonella crosbyi* Zone- *Camenella baltica* Zone | Bengtson & Fletcher, 1982; Landing *et al*. 1989, Landing *et al*. 2013 |
|  | UK | Home Farm Member (*Hyolithes* Limestone), Hartshill Formation, Nuneaton, English Midlands | Comley | *Camenella baltica* Zone | Brasier, 1984 |
| **West Gondwana** | France | Heraultia Limestone, Marcou Formation, Montagne Noire | No Stage Subdivisions [Tommotian equivelant] | *Watsonella-Oelandiella Zone*  | Cobbold, 1935; Runnegar & Jell, 1976; Pojeta & Runnegar, 1976; Runnegar & Pojeta, 1985; Kerber, 1988; Devaere *et al*. 2013 |
| **Siberian Platform** | Siberia | Lower reaches of Lena River (no Formation specified), northern flanks of the Anabar Uplift | Tommotian | No Biozone specified | Ushatinskaya & Parkhaev, 2005 |
|  |  | Member IIIb, Kessyusia Formation , Olenek Uplift sections | Tommotian | *Nochoroicyathus sunnaginicus* Zone | Khomentovsky & Karlova, 1993; Kouchinsky, 1999 |
|  |  | Pestrotsvet Formation , Malyi Chaydakh River | Tommotian | *Nochoroicyathus sunnaginicus* Zone | Khomentovsky and Karlova, 1993 |
|  |  | Pestrotsvet Formation, Selinde River | Tommotian | *Nochoroicyathus sunnaginicus* - *Dokidocyathus regularis* Zones | Rozanov *et al*. 1969; Matthews and Missarzhevsky, 1975; Khomentovsky & Karlova, 1993; Kruse *et al*. 1995 |
|  |  | Sunagin Member, Pestrotsvet Formation, Nemnekey section between the Gonam and Nemnekey rivers | Tommotian | *Nochoroicyathus sunnaginicus* Zone | Khomentovsky & Karlova, 1993 |
|  |  | Pestrotsvet Formation, Lena River | Tommotian | *Dokidocyathus regularis* Zone / *Lapworthella tortuosa* Zone | Rozanov *et al*. 1969; Matthews & Missarzhevsky, 1975; Kruse *et al*. 1995; Varmalov *et al*. 2008 |
|  |  | Pestrotsvet Formation, Aldan River | Tommotian | *Nochoroicyathus sunnaginicus* - *Dokidocyathus regularis* Zones | Rozanov *et al*. 1969; Varmalov *et al*. 2008 |
|  |  | Krasnoporog Formation, Sukharikha River | Tommotian | *Ladatheca annae* Zone | Rowland *et al*. 1998 |
|  |  | Unit 4, Medvezh’ya Formation, Kotui River | Tommotian | *Nochoroicyathus sunnaginicus* Zone | Rozanov *et al*. 1969; Missarzhevsky, 1989; Kouchinsky, 1999 |
|  |  | Upper Kessyusa Formation, Olenek and Khorbusuonka rivers | Tommotian | *Watsonella*- *Lapworthella* Zone | Knoll *et al*. 1995 |
|  |  | Upper member of the Mattaia Formation, Olenek Valley near mouth of Boroulakh Creek | Nemakit-Daldynian (?) -Tommotian | *Nochoroicyathus sunnaginicus* Zone | Nagovitsin *et al*. 2015 |
| **Zavkhan terrane** | Mongolia | Bayan-Gol Formation, Zhavkhan Province | Tommotian | *Watsonella crosbyi* Zone | Voronin *et al*. 1982; Esakova & Zhegallo, 1996; Braiser *et al*. 1996 |
| **East Gondwana** | Australia | Mount Terrible Formation, Fleurieu Peninsula | No Stage Subdivisions [Terreneuvian Series, Stage 2] | *Watsonella crosbyi* Zone | Daily, 1976; Herein |
|   |   | Facies Association A to C, Sellick Hill Formation, Myoponga Beach, Fleurieu Peninsula | No Stage Subdivisions [Terreneuvian Series, Stage 2] | *Watsonella crosbyi* Zone | Parkhaev in Gravestock *et al*. 2001; Jenkins *et al*. 2002; Herein |

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