**Table 1.** *Locality and sample information for modern Iceland CGC samples*

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**Figure no. Location Geomorphology Grain type Feature type Feature name Dominant CGC organism/s**

2A Krafla Fires Lava field Scoria 1 Rounded elongate track\* Lichen (foliose)

2B Snæfellsjökull Alluvial Volcanic glass 1 Rounded elongate track\* Moss

2C Sólheimajökull Moraine Scoria 2 Bowls Liverwort

2D Sólheimajökull Moraine Scoria 3 Borings\* Liverwort

2E Central desert Desert Mix 4 Wedge elongate track\* Lichen (various)

2F Sólheimajökull Moraine Volcanic glass 5 Pitting Liverwort

2G Snæfellsjökull Alluvial Volcanic glass 6 Asym. holes Moss

2H Snæfellsjökull Alluvial Volcanic glass 6 Asym. holes Moss

2I Geysir Geothermal Volcanic glass 7 Tunnels\* Liverwort

2J Krafla Fires Lava field Volcanic glass 7 Tunnels Liverwort

2K Snæfellsjökull Alluvial Volcanic glass 8 Tramlines Liverwort

2L Snæfellsjökull Alluvial Volcanic glass 9 Cuts\* Moss

2M Snæfellsjökull Alluvial Volcanic glass 9 Cuts\* Moss

\*Denotes feature is infilled with residue