

Supplementary File S2. Origin of coral hosts for the Florida *V. coralliilyticus* strains.

| Strains | Diseased coral species | Diseased coral origin (GPS coordinates) | Healthy or infected coral species | Healthy or infected coral origin |
|---|-------------------------------|--|--|---|
| <i>V. coralliilyticus</i> OfT6-17 | <i>M. cavernosa</i> | Ft. Lauderdale, FL (26° 08'54.91" N 81°05'45.29" W) | <i>O. faveolata</i> | NOAA Key West Nursery |
| <i>V. coralliilyticus</i> OfT6-21 | <i>M. cavernosa</i> | Ft. Lauderdale, FL (26° 08'54.91" N 81°05'45.29" W) | <i>O. faveolata</i> | NOAA Key West Nursery |
| <i>V. coralliilyticus</i> OfT7-21 | <i>M. cavernosa</i> | Ft. Lauderdale, FL (26° 08'54.91" N 81°05'45.29" W) | <i>O. faveolata</i> | NOAA Key West Nursery |
| <i>V. coralliilyticus</i> MmMcT2-4 | <i>M. meandrites</i> | Big Pine Key, FL Keys (24° 32'31.2" N 81°24'42.0" W) | <i>M. cavernosa</i> | NOAA Key West Nursery |
| ¹ <i>V. coralliilyticus</i> MCA25 | N/A | N/A | <i>M. cavernosa</i> | NOAA Key West Nursery |
| ¹ <i>V. coralliilyticus</i> MCA32 | N/A | N/A | <i>M. cavernosa</i> | NOAA Key West Nursery |
| ¹ <i>V. coralliilyticus</i> CN26H-1 | N/A | N/A | <i>C. natans</i> | NOAA Key West Nursery |
| ¹ <i>V. coralliilyticus</i> CN52H-1 | N/A | N/A | <i>C. natans</i> | NOAA Key West Nursery |
| ² <i>Vibrio</i> sp. McD21-C1 | <i>M. cavernosa</i> | Sand Key, FL Keys (24°27'14.4" N 81°52'39.0" W) | N/A | N/A |

¹Isolated directly from an apparently healthy coral fragment; ²isolated directly from a diseased coral fragment; N/A =not applicable.