Supplementary Material

**Ligand- and Additive-Free 2-Position-Selective Trifluoromethylation of Heteroarenes Under Ambient Conditions**

**Xiaolin Shi 1,2,3, Xiaowei Li 1,2,3, Xiangqian Li 4\* and Dayong Shi 4\***

1 Key Laboratory of Experimental Marine Biology, Institute of Oceanology, Chinese Academy of Sciences, Qingdao, China

2 Laboratory for Marine Drugs and Bioproducts of Qingdao National Laboratory for Marine Science and Technology, Qingdao, China

3 University of Chinese Academy of Sciences, Beijing, China

4 State Key Laboratory of Microbial Technology, Shandong University, Qingdao, China

[shidayong@sdu.edu.cn](mailto:shidayong@sdu.edu.cn)

**Table of Contents**

Copies of 1H, 13C, 19F NMR spectra for new compounds S2-S33



