Supporting Information for the Manuscript

**Highly Efficient Chemoselective Deprotection of *O,O*-Acetals and *O,O*-Ketals
Catalyzed by Molecular Iodine in Acetone**

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The ^1H NMR and ^{13}C NMR spectra were recorded on a JOEL JNM-ECA 300 MHz

spectrometer in CDCl_3 with TMS as internal reference.

List of ^{13}C NMR and ^1H NMR spectra for all substrates and products

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single_pulse

1a

X : parts per Million : 1H

1b

X : parts per Million : ^{13}C

1b

X : parts per Million : 1H

1c

X : parts per Million : 13C

1c

X : parts per Million : 1H

1d

X : parts per Million : 13C

1d

X : parts per Million : 1H

1e

X : parts per Million : 1H

1f

X : parts per Million : 13C

X : parts per Million : 1H

1g

1g

X : parts per Million : 1H

X : parts per Million : 1H

1i

X : parts per Million : ^{13}C

1i

X : parts per Million : 1H

1j

1j

1k

X : parts per Million : ^{13}C

1k

X : parts per Million : 1H

1l

X : parts per Million : ^{13}C

11

X : parts per Million : 1H

1m

X : parts per Million : ^{13}C

1m

X : parts per Million : 1H

1n

X : parts per Million : ^{13}C

1n

X : parts per Million : 1H

1o

1o

X : parts per Million : 1H

1p

X : parts per Million : 13C

1p

X : parts per Million : 1H

2a

X : parts per Million : ^{13}C

2a

X : parts per Million : 1H

2b

X : parts per Million : ^{13}C

2c

X : parts per Million : ^{13}C

2c

X : parts per Million : 1H

2d

X : parts per Million : ¹³C

2d

X : parts per Million : 1H

2e

2e

X : parts per Million : 1H

2f

2f

X : parts per Million : 1H

1i

X : parts per Million : ^{13}C

2k

X : parts per Million : ^{13}C

X : parts per Million : 1H

2l

X : parts per Million : 1H

X : parts per Million : 1H

2n

X : parts per Million : 13C

2n

X : parts per Million : 1H

2p

2p

X : parts per Million : 1H