Supporting Information:

Highly efficient heterogeneous aerobic oxidative C–C coupling from C\textsubscript{sp3}–H bonds by a magnetic nanoparticles-immobilized bipy-gold(III) catalyst

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Copies of $^1$H NMR and $^{13}$C NMR spectra of compounds 3a-3b'
$^1$H NMR and $^{13}$C NMR spectra of compound 3a
$^1$H NMR and $^{13}$C NMR spectra of compound 3b
$^1$H NMR and $^{13}$C NMR spectra of compound 3c
$^1$H NMR and $^{13}$C NMR spectra of compound 3d
$^1$H NMR and $^{13}$C NMR spectra of compound 3e
$^1$H NMR and $^{13}$C NMR spectra of compound 3f
$^1$H NMR and $^{13}$C NMR spectra of compound 3g
$^{1}$H NMR and $^{13}$C NMR spectra of compound 3h
$^1$H NMR and $^{13}$C NMR spectra of compound 3i
$^1$H NMR and $^{13}$C NMR spectra of compound 3j
\(^1\)H NMR and \(^{13}\)C NMR spectra of compound 3k
$^1$H NMR and $^{13}$C NMR spectra of compound 31
$^1$H NMR and $^{13}$C NMR spectra of compound 3m
$^1$H NMR and $^{13}$C NMR spectra of compound 3n
$^{1}H$ NMR and $^{13}C$ NMR spectra of compound 3o
$^1$H NMR and $^{13}$C NMR spectra of compound 3p
$^1$H NMR and $^{13}$C NMR spectra of compound 3q
$^1$H NMR and $^{13}$C NMR spectra of compound 3r
$^1$H NMR and $^{13}$C NMR spectra of compound 3s
$^1$H NMR and $^{13}$C NMR spectra of compound 3t
1H NMR and 13C NMR spectra of compound 3u
$^1$H NMR and $^{13}$C NMR spectra of compound 3v
$^1$H NMR and $^{13}$C NMR spectra of compound 3w
$^1$H NMR and $^{13}$C NMR spectra of compound 3x
$^1$H NMR and $^{13}$C NMR spectra of compound 3y
$^1$H NMR and $^{13}$C NMR spectra of compound 3z
$^1$H NMR and $^{13}$C NMR spectra of compound $3a'$
$^1$H NMR and $^{13}$C NMR spectra of compound 3b'}