

# Detailed MRI scanning parameters

## *Opuntia Junctions*

*Mylo et al., 21021 - Plants*

Species	<i>Opuntia ficus-indica</i>	<i>Opuntia ficus-indica</i>	<i>Cylindropuntia bigelovii</i>	<i>Cylindropuntia bigelovii</i>
Scanner	Bruker Biospec 94/20	Bruker Biospec 94/20	Bruker Biospec 94/20	Bruker Biospec 94/20
Coil	Tx/Rx quadrature volume coil	Tx/Rx quadrature volume coil	Tx/Rx quadrature volume coil	Tx/Rx quadrature volume coil
Receive only surface coil	no	yes	no	yes
Sequence	3D Flash	3D Flash	3D Flash	3D Flash
Repetition time [ms]	30	24	30	24
Echo time [ms]	3.9	3.5	3.9	3.8
Alpha [°]	30	20	30	35
Averages	2	8	4	8
Duration	2h34min	13h33min	12h18min	13h33min
Matrix	800 x 400 x 320	600 x 420 x 420	920 x 600 x 512	800 x 400 x 320
Field of View [mm <sup>3</sup> ]	80 x 60 x 51.2	40 x 28 x 28	90 x 60 x 51.2	48 x 28 x 28
Resolution [μm <sup>3</sup> ]	100 x 150 x 160	67 x 67 x 67	100 x 100 x 100	67 x 67 x 67
AA	1 1.2 1	1 1.2 1.2	1 1.2 1	1 1.2 1.2