

Thigh/Calf Tumor Single (Adult) SIGNA Architect

Technical Instructions

--Pwr Inj/Subtractions--

3-Plane Loc

Cor STIR DL

Sag STIR DL

Ax T2 FAT DL

Ax T1 DL

Cor T1 DL

Ax T1 Lava-Flex Pre

Ax T1 Lava-Flex 2min

Cor T1 Lava-Flex Post

Sag T1 Lava-Flex Post

+C Ax T1 FAT DL

3-Plane Loc

Details tab

Protocol notes

3-Plane Loc

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	3-PLANE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, EDR, TRF, Fast, SS, ARC
Pulse Sequence:	Spin Echo
ARC Phase:	2.00

Image Recon

Recon DL Strength:	Off
Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	48.0
Slice Thickness:	8.00
Slice Spacing:	5.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	1.3 X 1.9 X 8.0
Freq:	384
Phase:	256
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

TE:	80.2
Number of Echoes:	1
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Leg
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USER CVS

User CV1:	1.00
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Cor STIR DL

[Details tab](#)[Protocol notes](#)

Cor STIR DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	FC, Seq, EDR, TRF, Fast, ARC, IrP
Pulse Sequence:	FSE-XL
PSD Name:	frfse-xl
ARC Phase:	2.00

Image Recon

Recon DL Strength:	Medium
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	20.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0

No Phase Wrap:

2.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.8 X 4.0
Freq:	320
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
Flow Comp Direction:	Freq
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111
TE:	40.0
Number of Echoes:	1
TR:	3400.0
TI:	180
Echo Train Length:	8
Receiver Bandwidth:	41.67

AIRx

Anatomical Reference:	None
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Anatomical Plane: **None**

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Leg

USER CVS

User CV15: None

User CV18: None

User CV21: None

User CV30: 1.00

User CV41: None

Non-Viewable Parameters

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Sag STIR DL

Details tab

Protocol notes

Sag STIR DL

PATIENT POSITION

Coil Configuration:

GE40chGEMPA, GE16chTDIAA

Plane:

OBLIQUE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

FC, Seq, EDR, TRF, Fast, ARC, IrP

Pulse Sequence:

FSE-XL

PSD Name:

frfse-xl

ARC Phase:

2.00

Image Recon

Recon DL Strength:

Medium

Intensity Correction:

SCENIC

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

20.0

Slice Thickness:

4.00

Slice Spacing:

1.0

Overlap Locations:

0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 1.0 X 4.0
Freq:	320
Phase:	192
Freq DIR:	Unswap
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	0.80
Auto Shim:	Auto
Phase Correct:	Off
Flow Comp Direction:	Freq
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111
TE:	40.0
Number of Echoes:	1
TR:	3400.0
TI:	180
Echo Train Length:	8
Receiver Bandwidth:	41.67

AIRx

Anatomical Reference:	None
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Anatomical Plane: **None**

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Leg

USER CVS

User CV15: None

User CV18: None

User CV21: None

User CV30: 1.00

User CV41: None

Non-Viewable Parameters

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Ax T2 FAT DL

Details tab

Protocol notes

Ax T2 FAT DL

PATIENT POSITION

Coil Configuration:GE40chGEMPA, GE16chTDIAA

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:FC, TRF, Fast, FR

Pulse Sequence:FSE-XL

Image Recon

Recon DL Strength:Medium

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:20.0

Slice Thickness:5.00

Slice Spacing:1.0

Overlap Locations:0

Number of Slices:32

No Phase Wrap:1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.8 X 5.0
Freq:	320
Phase:	256
Freq DIR:	R/L
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	0.90
Auto Shim:	Auto
Phase Correct:	On
Flow Comp Direction:	Slice
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	111.0
TE:	85.0
Number of Echoes:	1
TR:	4500.0
Echo Train Length:	19
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
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Anatomical Region:	Leg
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SAT

SAT Location S:	Default
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SAT Location I:	Default
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Fat/Water Saturation:	Fat
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USER CVS

User CV6:	None
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User CV15:	None
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User CV18:	None
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User CV19:	1.00
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User CV21:	None
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User CV26:	1.00
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User CV41:	None
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Non-Viewable Parameters

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Ax T1 DL

Details tab

Protocol notes

Ax T1 DL

PATIENT POSITION

Coil Configuration:

GE40chGEMPA, GE16chTDIAA

Plane:

OBLIQUE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

EDR, TRF, Fast

Pulse Sequence:

FSE-XL

Image Recon

Recon DL Strength:

Medium

Intensity Correction:

SCENIC

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

20.0

Slice Thickness:

5.00

Slice Spacing:

1.0

Overlap Locations:

0

Number of Slices:

32

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.8 X 5.0
Freq:	320
Phase:	256
Freq DIR:	R/L
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	0.80
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	5
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Leg
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SAT

SAT Location S:	Default
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SAT Location I:	Default
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USER CVS

User CV6:	None
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User CV9:	None
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User CV15:	None
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User CV16:	None
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User CV18:	None
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User CV21:	None
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User CV26:	1.00
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User CV41:	None
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Non-Viewable Parameters

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Cor T1 DL

Details tab

Protocol notes

Cor T1 DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	1.50

Image Recon

Recon DL Strength:	Medium
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	20.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	20

No Phase Wrap:

1.50

ACQ TIMING

Acq Voxel Size:	0.5 X 0.6 X 4.0
Freq:	384
Phase:	320
Freq DIR:	S/I
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (I)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
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Anatomical Region:	Leg
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SAT

SAT Location S:	Default
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SAT Location I:	Default
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USER CVS

User CV6:	None
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User CV9:	None
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User CV15:	None
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User CV16:	None
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User CV18:	None
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User CV21:	None
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User CV26:	1.00
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User CV41:	None
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Non-Viewable Parameters

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Ax T1 Lava-Flex Pre

Details tab

Protocol notes

Ax T1 Lava-Flex Pre

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	AXIAL

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, ZIP512, ARC, Flex
Pulse Sequence:	LAVA
IDEAL:	15
ARC Phase:	2.00
ARC Slice:	1.50

Image Recon

Recon DL Strength:	Off
Intensity Correction:	PURE
Intensity Filter:	None
Save Original:	On

SCAN RANGE

FOV:	28.0
Slice Thickness:	1.50
Slices per Slab:	172
Overlap Locations:	0

No Slab Wrap:	1.05
No Phase Wrap:	1.00
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	1.2 X 1.3 X 3.0
Freq:	236
Phase:	220
Freq DIR:	R/L
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	15
TE:	Min Full
Number of Echoes:	2
Receiver Bandwidth:	142.86

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

3D Geometry Correction:	On
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Anatomical Region: **Thigh**

USER CVS

User CV4:	None
User CV6:	1.00
User CV13:	None
User CV16:	None
User CV30:	1.00
User CV34:	70.00
User CV40:	None

Non-Viewable Parameters ñ

Ax T1 Lava-Flex 2min

Details tab

Protocol notes

Ax T1 Lava-Flex 2min

PATIENT POSITION

Coil Configuration:GE40chGEMPA, GE16chTDIAA

Plane:CORONAL

IMAGING PARAMETERS

Imaging Mode:3D

Imaging Options:EDR, Fast, MPh, ZIP512, ARC, Flex

Pulse Sequence:LAVA

IDEAL:3

ARC Phase:2.00

ARC Slice:1.50

Image Recon

Recon DL Strength:Off

Intensity Correction:PURE

Intensity Filter:None

Save Original:On

SCAN RANGE

FOV:28.0

Slice Thickness:1.50

Slices per Slab:172

Overlap Locations:0

<i>No Slab Wrap:</i>	<i>1.05</i>
No Phase Wrap:	1.00
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	1.2 X 1.3 X 3.0
Freq:	236
Phase:	220
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	15.0
TE:	Min Full
Number of Echoes:	2
Receiver Bandwidth:	142.86

MULTI-PHASE

Slice per Location:	1
Seperate Series:	0
Trigger Delay without AV:	0
Mask Phase:	Off

Mask Pause:	Off
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CONTRAST

Contrast Yes/No:	Yes
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OTHERS

3D Geometry Correction:	On
Anatomical Region:	Thigh

USER CVS

User CV4:	None
User CV6:	1.00
User CV13:	None
User CV16:	None
User CV30:	1.00
User CV34:	70.00
User CV40:	None

Non-Viewable Parameters**ñ**

Cor T1 Lava-Flex Post

Details tab

Protocol notes

Cor T1 Lava-Flex Post

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	CORONAL

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, ZIP512, ARC, Flex
Pulse Sequence:	LAVA
IDEAL:	3
ARC Phase:	2.00
ARC Slice:	2.00

Image Recon

Recon DL Strength:	Off
Intensity Correction:	PURE
Intensity Filter:	None
Save Original:	On

SCAN RANGE

FOV:	28.0
Slice Thickness:	1.50
Slices per Slab:	172
Overlap Locations:	0

<i>No Slab Wrap:</i>	<i>1.05</i>
No Phase Wrap:	1.50
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	1.2 X 1.3 X 3.0
Freq:	236
Phase:	220
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	15
TE:	Min Full
Number of Echoes:	2
Receiver Bandwidth:	142.86

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

3D Geometry Correction:	On
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Anatomical Region: **Thigh**

USER CVS

User CV4:	None
User CV6:	1.00
User CV13:	None
User CV16:	None
User CV30:	1.00
User CV34:	70.00
User CV40:	None

Non-Viewable Parameters

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Sag T1 Lava-Flex Post

Details tab

Protocol notes

Sag T1 Lava-Flex Post

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	SAGITTAL

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, ZIP512, ARC, Flex
Pulse Sequence:	LAVA
IDEAL:	3
ARC Phase:	2.00
ARC Slice:	2.00

Image Recon

Recon DL Strength:	Off
Intensity Correction:	PURE
Intensity Filter:	None
Save Original:	On

SCAN RANGE

FOV:	28.0
Slice Thickness:	1.50
Slices per Slab:	172
Overlap Locations:	0

No Slab Wrap:	1.05
No Phase Wrap:	1.50
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	1.2 X 1.3 X 3.0
Freq:	236
Phase:	220
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	15.0
TE:	Min Full
Number of Echoes:	2
Receiver Bandwidth:	142.86

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

3D Geometry Correction:	On
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Anatomical Region:

Thigh

USER CVS

User CV4:	None
User CV6:	1.00
User CV13:	None
User CV16:	None
User CV30:	1.00
User CV34:	70.00
User CV40:	None

Non-Viewable Parameters

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+C Ax T1 FAT DL

Details tab

Protocol notes

+C Ax T1 FAT DL

PATIENT POSITION

Coil Configuration:GE40chGEMPA, GE16chTDIAA

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:EDR, TRF, Fast, ARC

Pulse Sequence:FSE-XL

ARC Phase:1.50

Image Recon

Recon DL Strength:Medium

Intensity Correction:NONE

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:20.0

Slice Thickness:5.00

Slice Spacing:1.0

Overlap Locations:0

Number of Slices:32

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.9 X 5.0
Freq:	352
Phase:	224
Freq DIR:	R/L
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Leg
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SAT

SAT Location S:	Default
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SAT Location I:	Default
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Fat/Water Saturation:	Fat
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USER CVS

User CV6:	None
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User CV9:	None
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User CV15:	None
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User CV16:	None
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User CV18:	None
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User CV19:	1.00
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User CV21:	None
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User CV26:	1.00
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Non-Viewable Parameters

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