#pragma once

#include "TissueCellTypeList.hpp"

#include "Cell.hpp"

namespace generated {

template<class T>

using GraphTissueCellTypes =

TissueCellTypeList

<

Astrocyte<T>,

SmoothMuscle<T>,

Astrocyte<T>,

SmoothMuscle<T>

>;

template<class T>

std::initializer\_list<std::initializer\_list<T>> GraphTissueCellValues =

{

{

5.0, 10.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0

},

{

1.0, 2.0, 0.0, 0.0, 0.0

},

{

5.0, 10.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0

},

{

1.0, 2.0, 0.0, 0.0, 0.0

}

};

std::initializer\_list<std::initializer\_list<size\_t>> GraphTissueConnections =

{

{

3

},

{

0

},

{

0, 3

},

{

1

}

};

std::initializer\_list<std::initializer\_list<size\_t>> GraphTissueGapJunctions =

{

{

4

},

{

1

},

{

2, 1

},

{

2

}

};

}